

Catalogue

2021/22



COLLINGWOOD
LIGHTING



1901
BY COLLINGWOOD
LIGHTING
3000K, 70CRI

Collingwood founded in 1901.

A British designer & manufacturer of LED lighting products

Collingwood started designing innovative LED lighting products in 2002. We pride ourselves on creating beautifully designed products that are easy to install and highly energy efficient. Using top quality materials, our products come with long warranties and are backed up by our expert UK based customer service team. With a direct to site next day delivery policy within the UK, we are always prepared to go the extra mile to ensure our customers receive excellent service and superior quality products.

This philosophy has led us to introduce many firsts to the LED lighting market.



First in the market to manufacture lumen and colour switchable residential downlights

Two lumen outputs and three colour temperatures, all within one single luminaire.



First to design and manufacture

LED lighting products for the UK electrical wholesale market.



First to produce 100% waterproof

Sealed for life, 100% waterproof, inground LED lighting products.



First outdoor LED products

Produce sealed for life outdoor LED lighting products.



First for fire rated downlights

First to produce a fit for purpose, high performance, fire-rated LED downlight.



First to produce mains dimmable

Mains dimmable LED downlights.



First to comply with building regulations

First to produce an LED downlight that complies with all building regulations.



First to create a 360° downlight

Produce a fire, acoustic and moisture-rated 360° spherical style downlight.



First to offer extended warranty

First to offer a 7 year extended warranty. We now offer a 3, 4, 5, & 7 year extended warranty.

You can register online by visiting collingwoodlighting.com or by contacting the sales team on 01604 495151. A full list of eligible products can also be found on our website. All applications, once accepted and processed will receive confirmation and a unique reference number in the event of a claim. All products come with a guarantee for 12 months from purchase, unless otherwise stated. Any modifications made to our products may invalidate the warranty.

An introduction to Collingwood.

We design and manufacture innovative, high quality LED lighting products.

We are designers and makers – insightful, agile and inventive. We are committed to seeking the most effective way of doing things, to making brilliant products, to deliver outstanding service and to be the first and best choice for our customers.

At Collingwood Lighting, our drive and determination to provide excellence for our customers pushes us to challenge the boundaries of the lighting industry. We believe that each stage of the lighting process is crucial to creating awe-inspiring lit environments and dedicate ourselves to each step.

Design and planning

From the outset, we collaborate with our customers to design beautifully lit, energy efficient spaces. We provide a wealth of resources to aid in maximising the potential of any space including case studies, guides and an exceptional lighting design team.

Streamlining installation

We regularly develop innovative solutions to make the installation of our products quicker and easier for our customers and their teams. Starting with our team of engineers who improve every aspect of our products, through to our video guides, customer training and a highly skilled sales and technical team, we aim to make the installation as streamlined as possible.

Customer care excellence

We know that one of the key considerations when completing a project for your customers is peace of mind after completion. To this end, we offer extended warranties, after care guides and a brilliant customer service team who are only a phone call away.





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New 1901 pendant.

These pendants are a suspended addition to the 1901 family, with many configurable elements. This is a great choice for higher ceilings, and with the flexibility to adapt the length to suit the application. The surface mounted pendant comes with an adjustable 1.5m fabric cable and is mains dimmable as standard. Made in Great Britain, the configurable elements include a choice of colour temperature, choice of housing colour, choice of beam angle and more. This sleek cylindrical design makes the pendant a beautiful addition above kitchen islands, dining tables and focal areas.

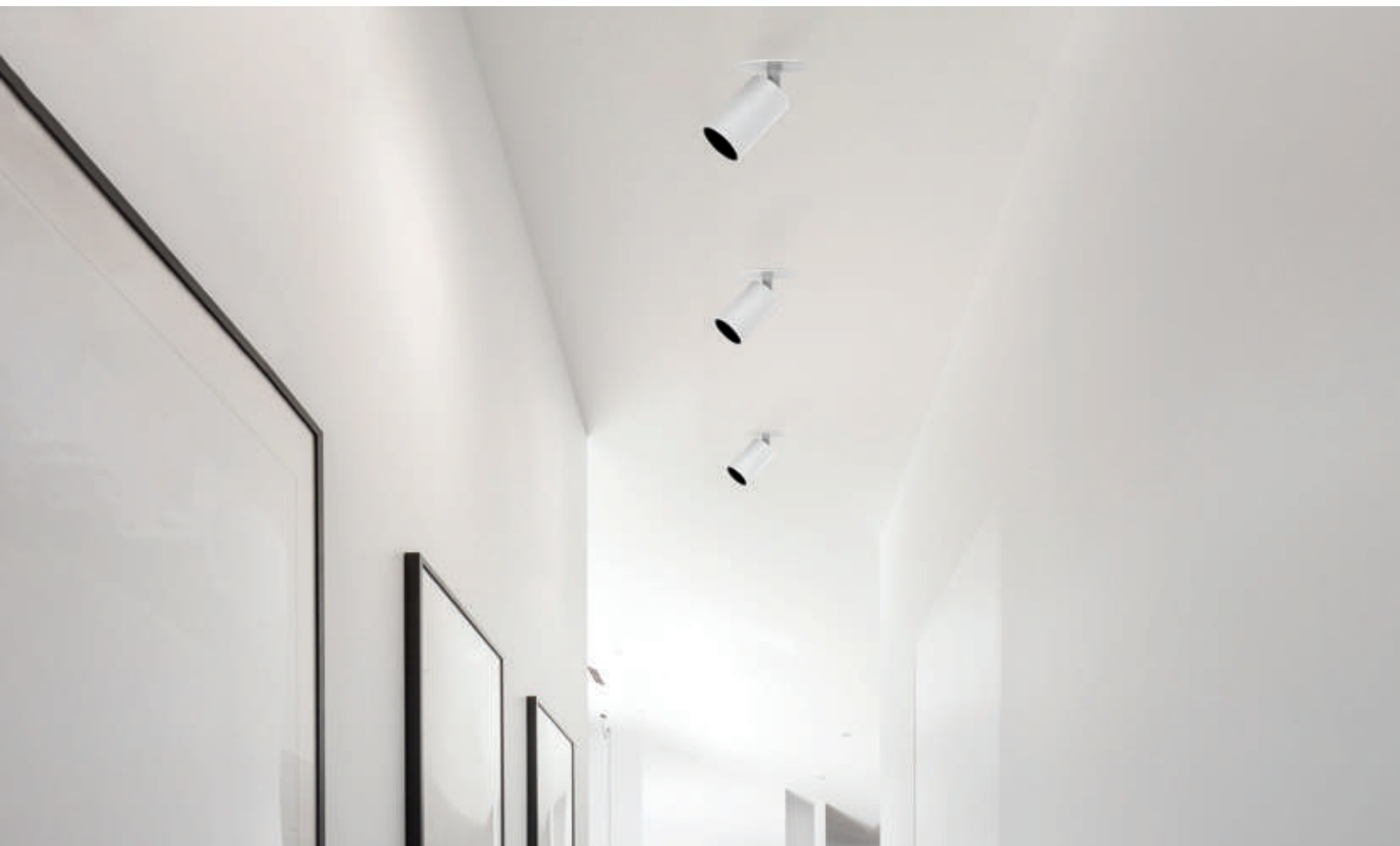
1901 pendant

Page 118

Engineered with the same 1901 downlight technology for beautiful illumination, suspended.

Sleek tubular design | IP44 | 7 year warranty





New 1901 rotatable spotlight.

Flexibility is at the heart of the 1901 range, and we are excited to introduce the 1901 rotatable spot lights. These have been developed with two mounting types; surface and semi-recessed, so they can be recessed into both cavity surfaces or mounted on surfaces with limited void space. The rotatable spotlight has configurable elements, including housing colour, colour temperature, beam angle and more, all made in Great Britain. The low glare luminaire benefits from a high CRI of 90+ with each of the available colour temperatures, to reveal interior spaces with the best light.

Rotatable spotlight

Page 119

Has an excellent range of adjustability, allowing you to direct light exactly where it is required.

Compact and neat design | IP44 | 7 year warranty





New 1901 dim to warm.

Our range of 1901 downlights has been expanded to include a dim to warm option. Dim to warm means smooth dimming from 100% brightness gradually down to 10%, which creates a bright to dim effect between 3000K at full brightness down to 1800K at its dimmest point. There is a smooth dimming curve, without step change, and a superb CRI of 95.

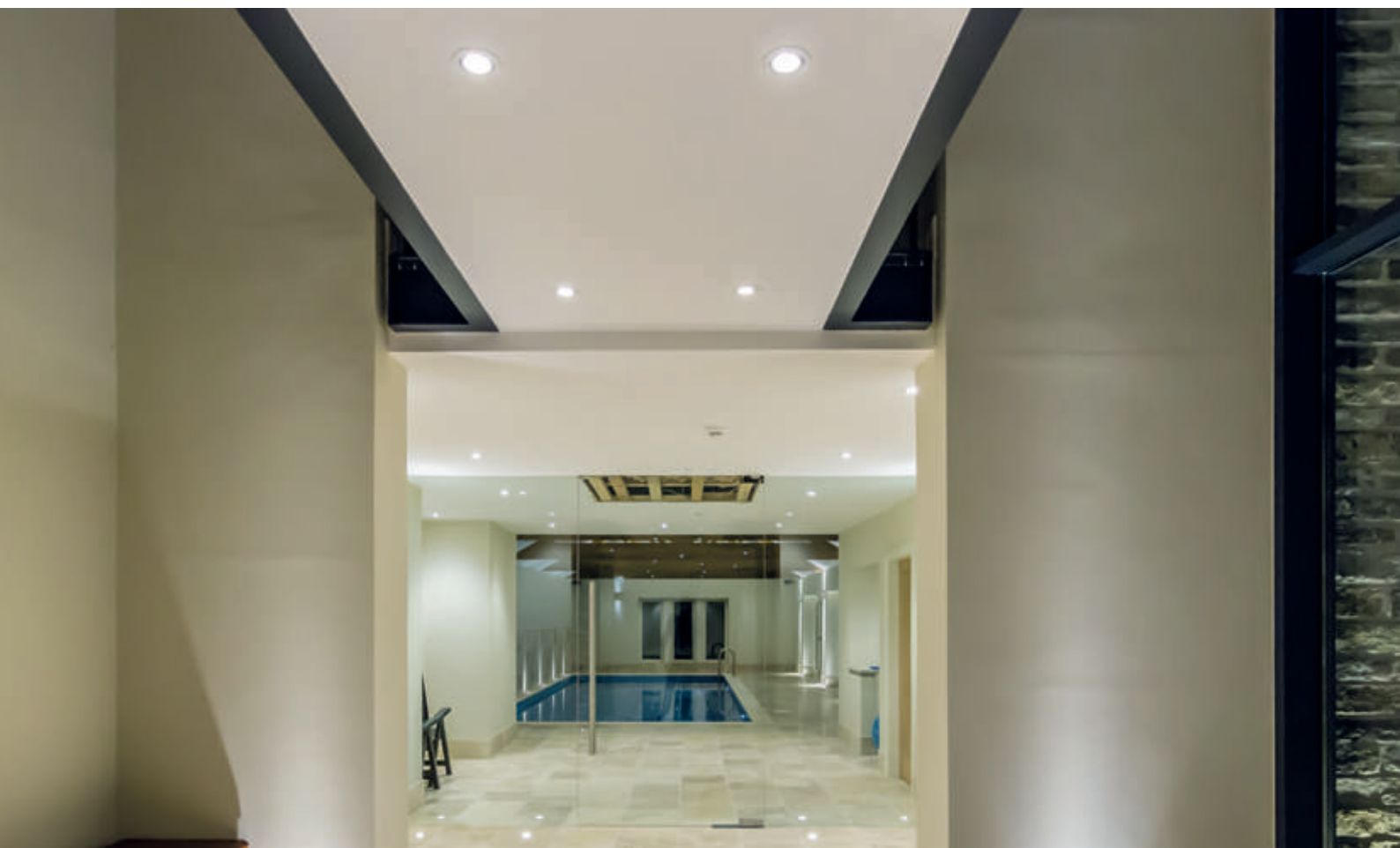
Dim to warm

Page 116

Dim to warm effect between
3000K and 1800K.

CRI >95Ra | 7 year warranty





New H2 | H4 Pro.

Introducing the market's first residential downlight capable of switching between two lumen outputs and three colour temperatures, all within one single luminaire. With Collingwood's rich history of design and innovation the new pro is our most comprehensive downlight yet, turning six part codes into one, and all backed by Collingwood's values of performance and reliability. Since the turn of the previous decade, over twelve million Collingwood downlights have been installed across the globe. Our relentless focus on quality, reliability and ease of fitting has turned Collingwood into the partner of choice. Its advanced features, including two of our patented technologies, outstanding performance and market leading seven year warranty, is guaranteed to satisfy countless applications.

H2 pro

Page 72

Fixed fire rated downlight incorporating a lumen switch to choose between 650lm and 850lm outputs, with market leading efficacy of up to 130lm/W. Additional colour temperature switch with 2700K, 3000K and 4000K options.

Fixed | IP65 | 7 year warranty



H4 pro

Page 83

Adjustable fire rated downlight incorporating a lumen switch to choose between 650lm and 850lm outputs, with market leading efficacy of up to 130lm/W. Additional colour temperature switch with 2700K, 3000K and 4000K options.

Adjustable | IP65 | 7 year warranty





New Smart H2 | H4 Pro.

Our first smart integrated LED downlights, with all the quality and reliability of an integrated downlight, but with the control of a smart system. Compatible with our smart range, these colour tuneable smart downlights can be controlled via the Collingwood smart app, the smart wall control panel or via voice control (Alexa/Google Assistant). The new Smart Pro downlights feature high quality LED chips for outstanding CRI, ensuring true and crisp colour rendering. Both fixed and adjustable versions are supplied complete with an easy-fit connector and compatible with the twist and lock bezel ranges too.

Smart H2 pro

Page 73

Smart fixed fire-rated downlight, colour tuneable between 2700K - 6000K via the CWD Smart App.

Fixed | IP65 | 7 year warranty



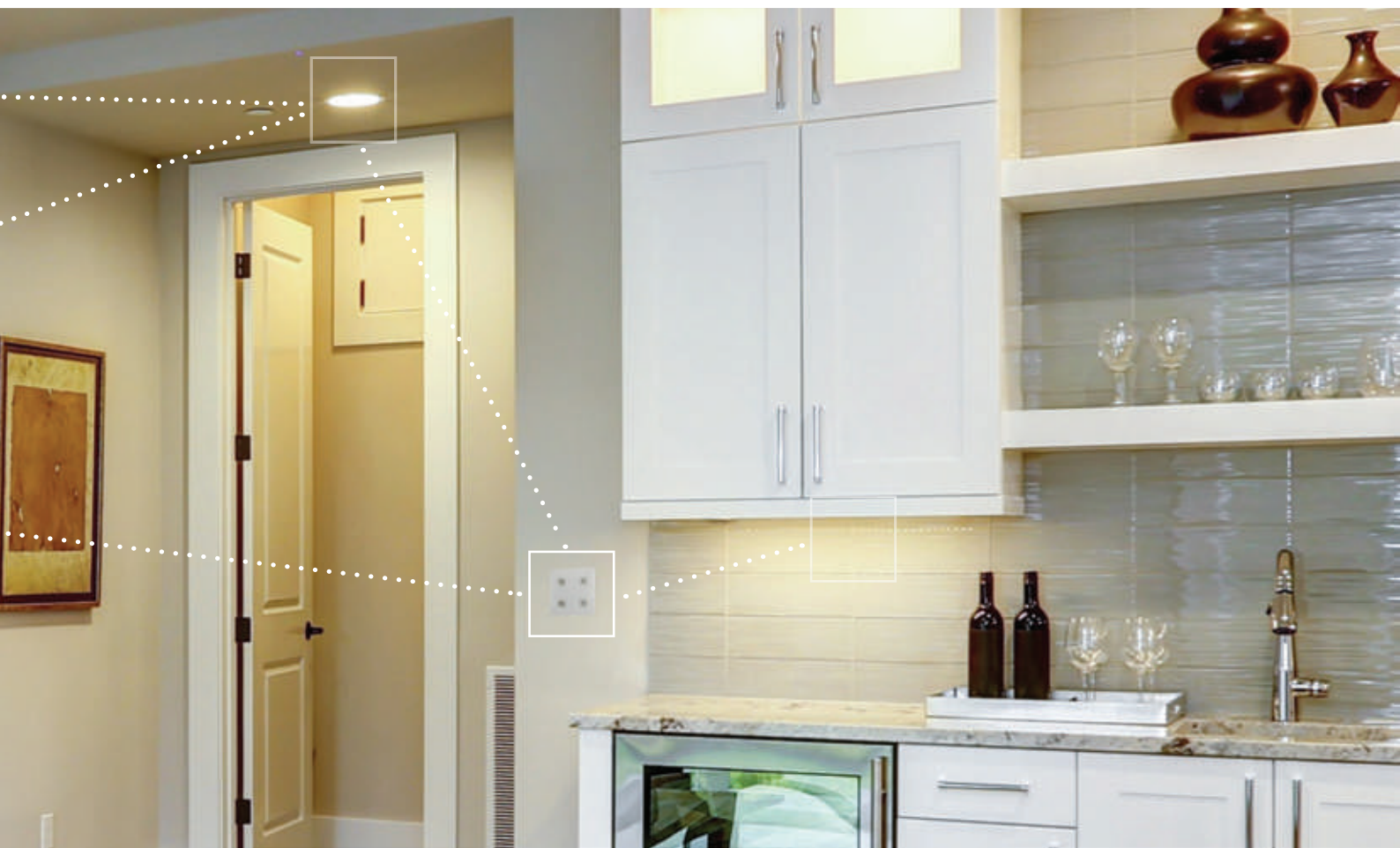
Smart H4 pro

Page 84

Smart adjustable fire-rated downlight, colour tuneable between 2700K - 6000K via the CWD Smart App.

Adjustable | IP65 | 7 year warranty





New Smart control panel | Sensor.

Make the ordinary extraordinary with the new smart motion sensor and smart wall control panel. Both battery powered and wireless, they can be controlled and configured through the Collingwood smart app. The smart motion sensor can be installed anywhere in a home, once it detects any motion, lights will automatically turn on and off, benefiting from energy and cost savings. The smart wall control panel is magnetic, meaning it can be mounted on a wall (with a first fix plate) or moved around the home. Supplied with different snap in button icons, the smart wall control panel is fully customisable.

Smart wall control panel

Page 54

The smart wall panel provides freedom for anyone to control the lights locally, without opening the CWD SMART app

IP20 | 2 year warranty



Smart sensor

Page 54

Change the way you control your lights, by setting your smart lamp or existing lights to turn on as you walk into a room.

IP20 | 2 year warranty





New Strip lighting.

The new and refreshed range of strip lighting now offers a bespoke cutting service to your desired length. Suitable for indoor applications, features include various IP ratings, two wattages, colour temperatures, and a high efficacy of up to 108lm/W for excellent payback. Available up to a length of 5 meters, it still provides a high quality of light output backed with a three year warranty.

LED strip

Page 160-163

The strip range is ideal for indoor areas. Available up to a length of 5 meters, and providing a high quality of light output.

IP20 | IP44 | 3 year warranty





New Premium strip lighting.

LED strip is a fast moving market and we are always innovating and offering new solutions, such as the premium range which can run up to 20 meters in lengths, without experiencing any light drop off. Features include IP20 and IP68 rated options, four wattages, a choice of colour temperatures and a high CRI of 90 for ultimate true colours, all backed with a five year warranty.

Premium LED strip

Page 164-171

The current regulated LED strip can run for lengths up to 20 meters, without experiencing any light drop off.

IP20 | IP68 | 5 year warranty





New WL94 bulkhead.

We are pleased to extend our range of bulkheads with the introduction of a colour switchable IP44 range, complete with a three year warranty. The slim design of these bulkheads make them suitable for applications such as kitchens, bathrooms, corridors and stairwells. We have focussed on making the range simple to install, specify and use.

WL94

Page 300-301

High efficacy values with up to 111lm/W, which improves both the lifetime running cost and payback period.

Colour switchable | IP44 | 3 year warranty





New WL95 bulkhead.

Upgrading our existing range, we have designed bulkheads to suit numerous different applications by offering different wattage and colour temperatures in one single product, all complemented by motion sensors and emergency models. The highly efficient IP65 bulkhead brings comfort to any ambient due to its smartly designed diffuser as well as being a truly cost-effective lighting solution. Additionally, we added features making the installation simple and quick, saving time and reducing installation costs. Combining strength with elegance, this waterproof bulkhead boasts the robust exterior of its counterparts whilst enduring the most extreme outdoor conditions.

WL95

Page 302-303

Ideal for exteriors and illuminating large outdoor spaces.

10 - 15W | IP65 | 3 year warranty



Available in multiple facias



White eyelid



Black eyelid



Black grille



New battens.

Bringing further versatility to the commercial range, the new IP20 rated battens are an effective lighting solution to various spaces, giving a uniform installation of perfectly distributed light. Available in three different sizes, these battens have a high efficacy of up to 130lm/W delivering excellent payback, and a microwave sensor for further energy savings. Features include a self-test emergency, multiple different mounting options, flicker-free, loop-in/loop-out, push-fit terminals and quick release buttons for ease of installation.

An effective lighting solution to various commercial spaces, giving a uniform installation of perfectly distributed light. Ideal for indoor applications such as garages and corridors.

4ft Single & Twin

Page 340-341

4000K | IP20 | 5 year warranty



5ft Single & Twin

Page 342-343

4000K | IP20 | 5 year warranty

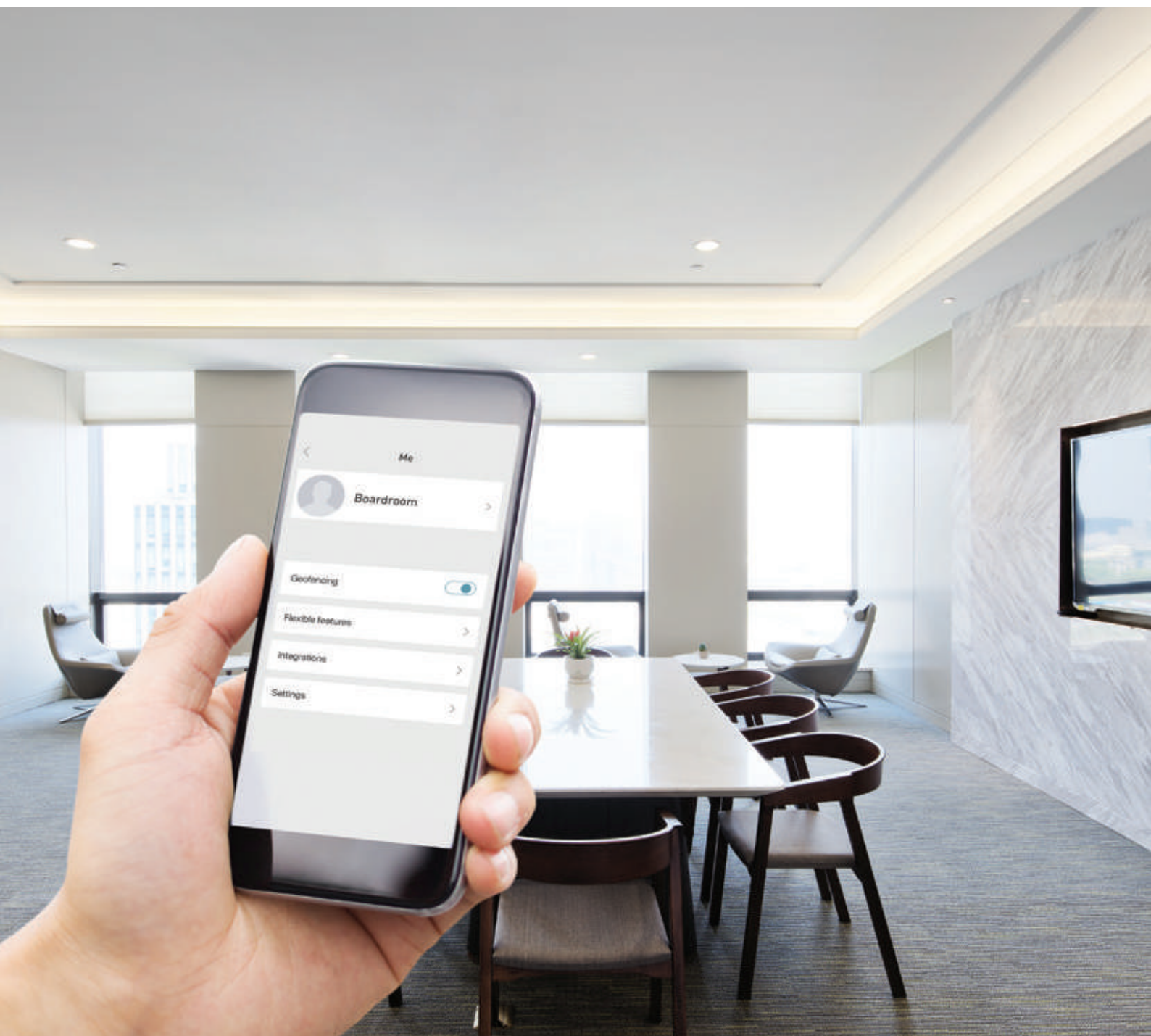


6ft Single & Twin

Page 344-345

4000K | IP20 | 5 year warranty





Coming soon

Commercial smart.

The easy, new smart lighting solution for commercial areas. Features will include automating the lighting in commercial buildings where the lighting is triggered by occupancy or daylight, dims down the lighting when nobody is around, or when natural light is detected, and turns back up again when needed, for ultimate cost savings.

Coming soon



Coming soon

New strip finishes.

We are bringing a brand new range of strip models. These additions will cover a vast and diverse range of applications and requirements. Using high quality materials and offering long lasting products.



Coming soon

Buried ground light upgrades.

Our innovative research and development team are working tirelessly to improve our products, which has lead us to the next generation of our buried ground lights, the GL07, GL08 and GL09. Components within these ground lights will be upgraded to maximise performance and efficacy, to reduce lifetime running costs and return on investment, along with ease of installation. We regularly review and improve our product ranges to make sure they are at the cutting edge of LED technology.

Coming soon



Coming soon

Ledline white.

Introducing the Ledline with a brand-new look and feel. Powerful LEDs, straight-to-mains as standard, improved lenses and a new 1000mm length makes choosing and installing this fitting simple. The new lenses distribute the light more effectively to create a consistent wash of light or a grazing effect. Combine with the UL bracket to angle the fitting for an even wider variety of effects.



Coming soon

Ledline inground.

Specify the new Ledline with the in-ground accessory and easily convert it to a recessed fitting. Install with confidence, and discreetly illuminate from a low-level position, buried within earth or concrete. Backed with Collingwood's quality, the Ledline accessory will always maintain its integrity of the product.

Coming soon



Coming soon

Decorative wall lights.

The new interior wall lights will have superior build quality, making them ideal for illuminating a wide range of applications; from high output for uplighting double height and vaulted ceilings, decorative up/down lighting for enhanced comfort and style, to soft and high quality illumination of bathrooms and bedrooms. Features include a high CRI of 90, enhancing the appearance of textures and colour palettes, and ease of install with a simple wall mount. Simple and effective, these wall lights will consistently deliver efficient, beautiful lit effects in a range of illumination styles.



Coming soon

Wall packs.

Suitable for industrial and commercial areas, the new Collingwood wall packs provide high lumen outputs, high efficacy and are flicker free. Ideal for outdoors, and installed in places such as outer areas of warehouses, pathways and car parks, the wall lights will also be available with as an emergency option.

Coming soon



Coming soon

High output floodlights.

Powerful and robust, these high output floodlights provide high lumen output, making it an ideal lighting solution for sport pitches, parking lots, high masts, and high height industrial installations. Features include a high corrosion protection, and a light beam angle that can be controlled, so there is no light spillage.



I-Joist and Metal Web approved

Our downlights have undergone vigorous testing to ensure they are perfect for use with I-Joists, metal web and solid timber ceiling types.



Vigorously tested to ensure fit-for-purpose products

Collingwood were the first company to produce a fit-for-purpose, high performance, fire-rated downlight that enabled compliance to Part B of the building regulations. In the period since, we have supplied millions of downlights worldwide.

What is a timber I-Joist?

These are purposely engineered to be light and strong, whilst removing the imperfections which can come from natural timbers. The name comes from the shape. There is a top and bottom flange element with the web in between.

Their common application is within residential floors, roofs and are becoming increasingly popular with their benefits over solid timber joists. Such benefits include the ease of handling due to their light weight, less prone to warping and ease of drilling to install services such as pipes and cables.

What is a metal web joist?

A metal web joist is a combination of timber chords and pressed metal webs, which form an open web joist. The open web allows for installations of services like pipes and cables to pass through the metal webs without the need for cutting holes within the joist.

The open web structure means they are lighter to handle than solid timber joists, and allows for greater load bearing areas with the open web design, making it simple to install pipes cables etc.

Fire test overview

We have worked, together with independent fire test facilities, to test and approve our most popular fire-rated downlights for use with solid timber, I-Joists and metal web joists, complementing our suite of ceiling approvals.

	Solid Timber			I-Joist - 30mins		Metal Web - 30mins		
Product	30mins	60mins	90mins	James Jones	Staircraft	Wolf systems	ITW	Mitek
H2 Lite	•	•	•	•	•	•	•	•
H2 Lite 400 CSP	•	•	•	•	•	•		
H2 Lite 500 CSP	•	•	•	•	•	•	•	•
H2 Lite 500	•	•	•	•	•	•		
H2 Lite 500 CSW	•	•	•	•	•	•	•	•
H2 Pro	•	•	•		•	•		
H2 Pro Smart	•	•	•		•	•		
H2 Pro 550	•	•	•	•	•	•	•	•
H2 Pro 550 SPS	•	•	•	•	•	•		
H2 Pro 550 CS	•	•	•	•	•	•		
H2 Pro 700	•	•	•	•	•	•	•	•
H2 Pro Elect	•	•	•		•			
H2 Pro Elect Trimless	•	•	•					
H2 Pro Dusk	•	•	•					
H4 Lite	•	•	•	•	•	•	•	•
H4 Pro	•	•	•		•	•		
H4 Pro Smart	•	•	•		•	•		
H4 Pro Elect	•	•	•					
H4 Pro 550	•	•	•	•	•	•	•	•
H4 Pro 550 SPS	•	•	•	•	•	•		
H5 Trimless	•	•	•		•			
H5 500	•							
H5 1000	•							
GU10 IP20 Fixed Downlight	•	•	•					
GU10 IP65 Fixed Downlight	•	•	•					
GU10 Adjustable Downlight	•	•	•					

SLR / ELR Overview

Single Lighting and Energy Labelling Regulations

The Single Lighting Regulation (SLR) is coming into effect on the 1st September 2021, across Europe and including the UK. The Energy Labelling Regulation (ELR) is also coming into effect at the same time, which means that, amongst other things, the label is being rescaled from A** - E to A - G. What was an A++ class will end up being an E class!

The SLR regulations are aimed at improving product performance across the lighting industry, including all types of lighting technology. Energy efficiency requirements will mean that Compact Fluorescent Lamps (CFLs) and T8 fluorescent lamps will be banned in 2021 and 2023 respectively. LED lighting technology will be a main option to ensuring compliance with these requirements.

In addition to the product performance requirements, the regulations also encourage elements of the circular economy concept. Light sources and control gears must be produced so that they can be easily removed and replaced with commonly available tools, unless there is a technical justification why this cannot happen (e.g. IP rating).

Collingwood ground lights, for example, would be an example of a product that meets the technical justification. The IP rating required for these fittings mean that they are sealed for life and that replacement of the light source would not be acceptable to maintain product performance.

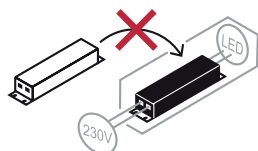
We have been able to design our product to ensure conformance with these regulations, whilst not compromising on performance, lifetime or warranty.

Collingwood will be showing information about the replaceability of each product on the relevant website page, including easy-to-understand pictograms. Please contact us should you have any questions regarding a specific product.

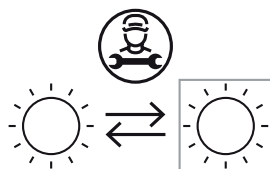
Industry standard pictograms



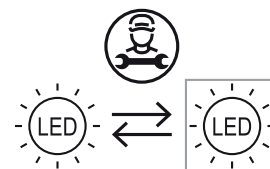
Non-replaceable light source



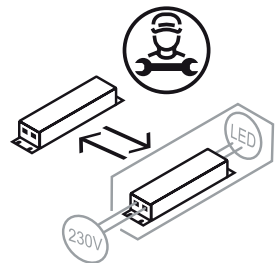
Non-replaceable control gear



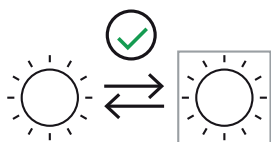
Replaceable light source by a professional



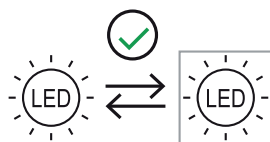
Replaceable (LED only) light source by a professional



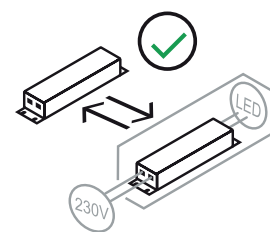
Replaceable control gear by a professional



Replaceable light source by an end-user



Replaceable (LED only) light source by an end-user



Replaceable control gear by an end-user

Driving performance.

Optimise performance with Collingwood drivers



**Collingwood
low voltage
luminaire**



**Collingwood
driver**



**Collingwood
performance**

Enhance the performance of Collingwood luminaires by combining them with our **carefully selected drivers.**

At Collingwood Lighting, high quality performance is at the core of everything we do. We strive for perfection and customer peace of mind not only at each stage of the installation process, but long into the future lifetime of the products.

Each of our LED lights are built with this in mind; our team of engineers spend countless hours researching and testing each one to ensure optimum performance and lifetime and a minimal failure rate. Not only are they built to make indoor and outdoor installations look incredible, but each component is rigorously engineered and tested to create a robust, quality product.

This ethos extends to our range of drivers. Our drivers are chosen based on their ability to enhance the individual fitting, after each one has undergone a stringent testing process to ensure optimum performance when used in combination with its light fitting counterparts.

When selecting lights for a project, Collingwood LED lights are chosen for their superior quality and reliable lifetime. To ensure they meet their full potential, **choose a Collingwood driver** that's been hand-selected to boost each product.

Refer to each individual product page for a list of compatible drivers or see the driver section for a full matrix of each driver and its compatible products. Alternatively, when planning an installation speak to our team who'll be happy to advise a complete driver solution.

Layering light.

Collingwood's range of residential lighting provides a comprehensive set of options to create your desired lighting schemes. Combine the key elements of the lighting, ambient, accent and task lighting, to create a sophisticated, multi-layered scheme which will enhance the space, bringing it to life and allowing the user to create a multitude of different atmospheres, depending on their requirements.

These layers can be broken down into different types:

- **Ambient lighting**
- **Accent lighting**
- **Task lighting**
- **High-level lighting**
- **Mid-level lighting**
- **Low-level lighting**

It is not necessary for an installation to include all types of lighting for it to be successful. However, by using a combination of these, it is possible to create exciting environments that people really want to spend time in.



1 Ambient lighting

Ambient lighting serves as the primary source of light in a space, providing general background illumination.

2 Accent lighting

Accent lighting, rather than being practical, provides points of focus, highlight and visual interest which add depth and interest to a space.

3 Task lighting

Task lighting is focused light for specific areas where tasks are carried out.

THE STUDIO

AT COLLINGWOOD

At The Studio, our team of professional lighting designers, who benefit from over 20 years of experience and lighting knowledge, can provide a bespoke lighting design for your project from residential projects to industrial projects. To ensure you receive the highest level of service and expert advice, we work with lighting designers and in directly with you and also with architects, interior designers, landscape designers and more. The team can produce lighting designs for residential, commercial and industrial projects.

As well as producing simple lux level calculations, with their passion and flair for producing creative and effective lighting solutions, our design team is equipped to propose and present a full lighting solution for your project, including 3D visuals of the space.

The Studio offers three levels of design service, from a free of charge concept presentation to a chargeable CAD service which extends to full working drawings covering the lighting scheme. The level of service you require will depend on the complexity of your project. The design team at thestudio@collingwoodgroup.com is happy to discuss this with you.



4 High-level lighting

Ceiling lights and high-level up-light often provide ambient light. In a garden, lighting tall trees provides height to a lighting scheme.

5 Mid-level lighting

Wall lights, under cupboard lights, lamps and lit shelving or niches all contribute to an intermediate layer of light. In the garden, wall lights and spike lights highlighting shrubs work well.

6 Low-level lighting

Lights at ground level or set low in walls and kickboards provide low level mood lighting. The same is true outside, with lit paths and steps providing low-level guide lighting.



Recreate this look.

1 GL019
Page 194



2 GL050RGBW
Page 416





Recreate this look.

1 WL050
Page 137



2 1901 Downlight
Page 117





Recreate this look.

1 GL07
Page 184



2 SL040
Page 266





Recreate this look.

1 WL070RGBW
Page 417



2 UL030
Page 248



3 MC050
Page 245





Recreate this look.

1 LSV42
Page 162



2 H2 Lite
Page 65



3 H5 500
Page 91





Recreate this look.

1 H2 Pro Extreme
Page 81



2 LSC82
Page 168





Recreate this look.

1 GL034
Page 230



2 GL040
Page 190





Recreate this look.

1 WL340
Page 225



2 LSV42
Page 162





Recreate this look.

1 H5 Trimless
Page 90



2 LSR05
Page 423



3 LSV42
Page 162





Recreate this look.

1 RDSM
Page 334



2 LSV02
Page 160



3 LSV45
Page 163





Recreate this look.

1 LEDLINE 400 45
Page 258



2 LEDLINE 400 25X6
Page 255



3 GL090
Page 189



4 GL08
Page 183





Recreate this look.

1 **UL346CARGB**
Page 421



2 **UL030RGBW**
Page 418





Recreate this look.

1 WL075
Page 235





Recreate this look.

1 SL030
Page 264



2 GL050
Page 214



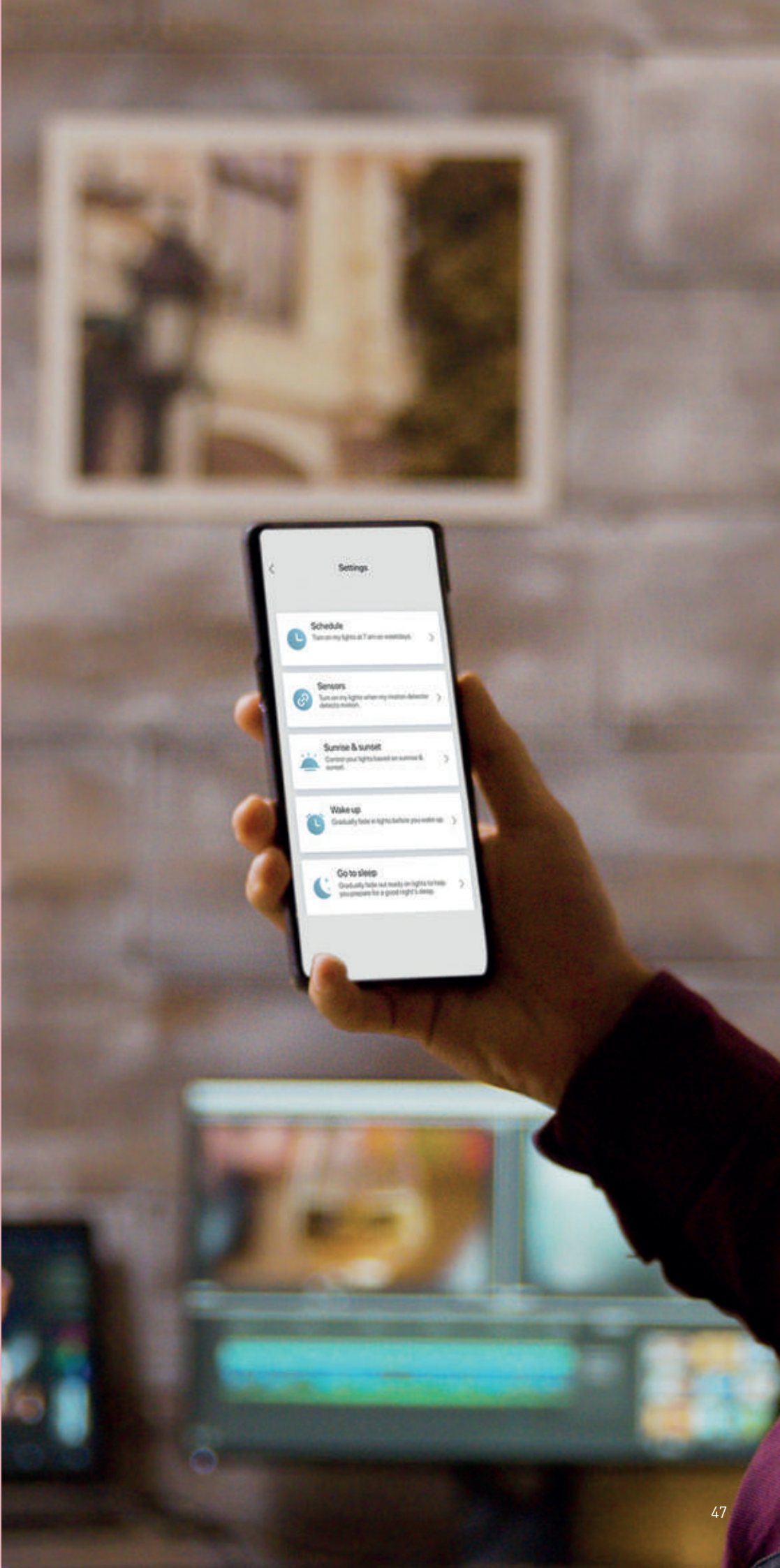
3 LSC82
Page 168



Smart.

Smart lighting from Collingwood makes the ordinary extraordinary. Control your electronic and lighting devices using either your smartphone or with a voice command via a voice assistant to create striking lighting environments effortlessly. The smart range of products can integrate the existing lighting in the home into a smart ecosystem or use smart lamps to replace existing devices.

Download the Collingwood app, named CWD Smart. Add connected devices such as: smart bridges, lamps and plugs with a hub to take full control of your lighting, smart sensor to automate lighting to turn on when motion is detected, and a smart wall plate, which also becomes remote with four configurable settings. Create rooms for group control such as: bedroom, kitchen, lounge, dining room and more. The smart lighting range turns dumb lights smart, through the use of a bridge and a smart hub. A wide range of control options can create striking environments anywhere.



Smart lighting.

Control your lights from anywhere in the world

The Collingwood smart system allows you to create a true smart lighting ecosystem in your home. Choose between turning the existing lighting smart, or upgrading for inbuilt smart luminaires to create the optimum environment.



Control.

Through our **CWD SMART** app, setup, control and manage your smart lighting system from anywhere in the world. Over the air (OTA) updates to the app will mean that new functionality and performance optimisations are added as soon as available.



Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc or it's affiliates



Google is a trademark of Google LLC

Keep your current lights.

You can turn your current lights smart using our smart products.

Smart dimmable bridge: Ideal for use with indoor lighting.

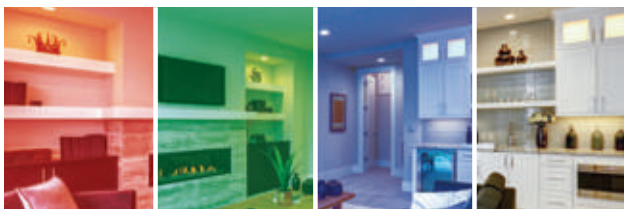
Smart non-dimmable bridge: Ideal for use with outdoor lighting.

Dimmable.

Dim your lights through the app or voice control assistant. Achieve this using our smart lamps or use your current dimmable lights by connecting a smart dimmable bridge.

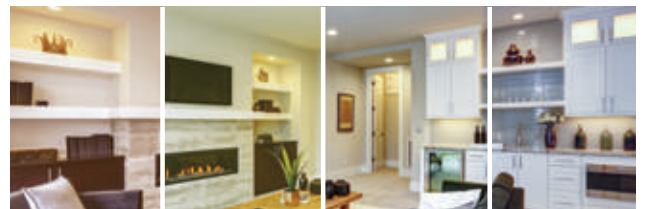
RGBW.

RGBW lamps can create any colour in the spectrum using the simple colour wheel in the app.



Colour tuneable.

Choose from 64,000 shades of white using colour tuneable lamps or our integrated downlights.



Additional controls.

Add security and freedom to your smart lights

The Collingwood smart system allows you to create a true smart lighting ecosystem in your home. Choose between turning the existing lighting smart, or upgrading for inbuilt smart luminaires to create the optimum environment.

Smart wall control panel.

What can you control?

Having the smart wall panel provides freedom for anyone to control the lights locally, without opening the CWD SMART app. Each of the four buttons are configurable, with various symbols to choose them for ultimate customisation.

Assign functions to the four buttons via the app. The functions shown will come as standard, but you can select any function you like for each button. The control panel is only suitable for use with the enlarged Collingwood hub.

Select scene

Choose from scenes that are pre-configured using the app.

On / off and dimming

Turn lights on and off, and dimming level.

On / off

Turn your lights on and off at the click of a button.

Dimming

Dim your lights up and down.

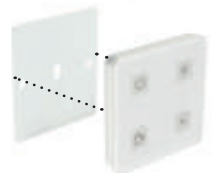


Battery

The smart wall panel is battery operated and wireless. The batteries are flat circular 2 x CR2032, and when running low, it will notify you via the CWD SMART app.

Magnetic mounting

It can be mounted onto the wall, or take the portable magnetic panel off the wall plate and control your smart lights from anywhere in the home.



Smart sensor.

What can you control?

Change the way you control your lights, by setting your smart lamp or existing lights to turn on as you walk into a room, all with the Collingwood smart sensor. To save energy, the smart sensor will detect when rooms are vacant and automatically turn off the lights.



Mount anywhere

Wireless and battery powered it is ideal for installing anywhere inside a home, where you can set the motion sensor when you are coming home, so they turn on as you walk through the front door.

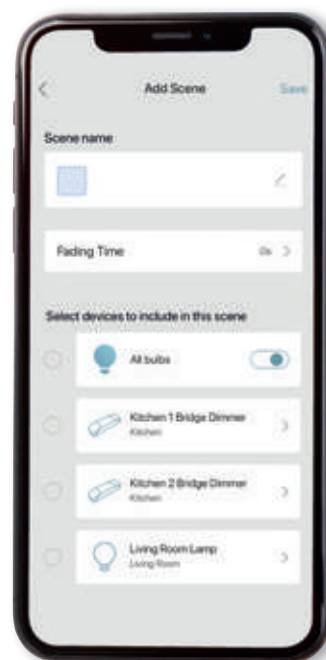
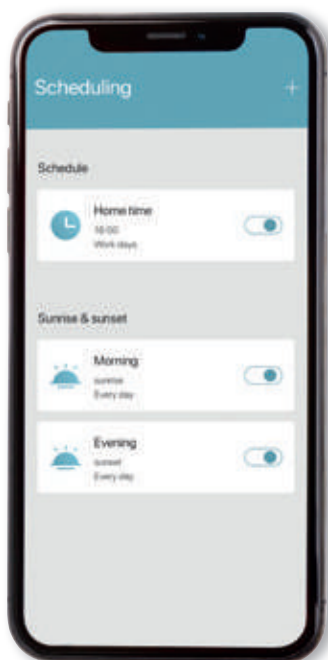
Night mode

Set it to night mode, so the lights only trigger with movement when background light level drops below 50 lux.

Control.

What can you control and what pre-sets can you set up

Through the CWD Smart app, setup, control and manage your smart lighting system from anywhere in the world. Over the air (OTA) updates to the app will mean that new functionality and performance optimisations are added as soon as available.



Controls.

Using your app or voice assistant as a remote for your lights you can directly control the following:

Dimming

Slide a bar on the selected lights and adjust the brightness.

Change colour

Simply roll your finger over a colour slider to select the colour that you want. This applies to both colour tuneable and RGBW lamps.

Turn on / off

Simply tap the on / off switch on the selected lights you want to turn on or off.

Group lights together

Assign lights to different rooms to control them all together.

Anywhere in the world

Control your lights or electrical devices from anywhere in the world by connecting to the internet. If you have forgotten to turn them off, turn them off using the app.

Scheduling.

Using your app, set times to turn your devices and lights on/off, adjust brightness, or activate a scene.

Arriving home from work

Set your lights to come on at a set time everyday so that you come home to a lit house.

Outdoor lights coming on in the evening

As it gets dark in the evening your garden lights could come on automatically to ensure your garden is always well lit.

Simulated occupancy

You could replicate someone still being home even though you are away to act as a deterrent against burglary.

Scene setting.

Using your app create pre-set lighting schemes that you can make happen at the touch of a button. Some examples of what you could use this feature for are the following:

Movie night

Set your lights up so the room is dark enough to highlight your TV with just enough light for it to feel warm and cosy around your sofa. Make it an intimate event.

Party

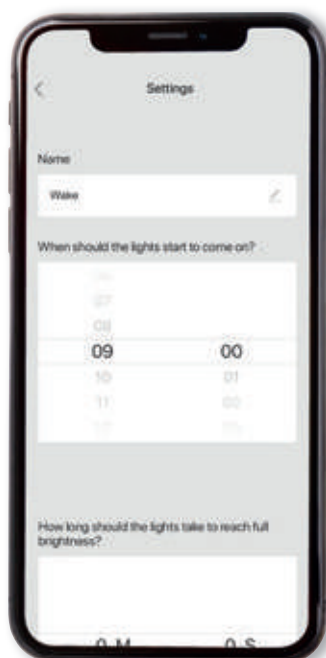
Get your accent lighting on show at full brightness and bring down the main lights to a level that is atmospheric. Now it's a party.

Atmospheric

Enjoy a romantic dinner with your partner and set the mood at the touch of a button.

Share your set up with the family.

Share your set up with other people. If you have a family of four, you can share this with everyone so that you can all control the lights. You will have one admin user.



Wake up.

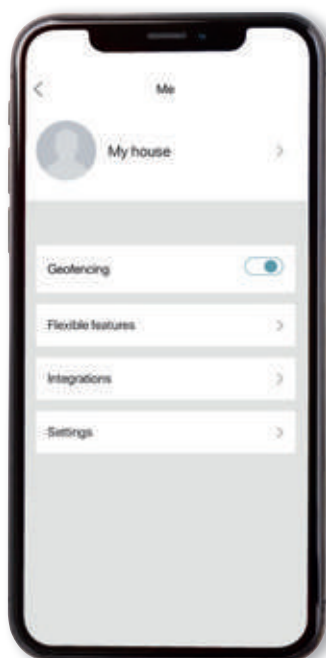
Use your app to simulate the sun rising or setting to make for a more natural transition to wake up to or go to sleep to.

Wake up

Set your lights to slowly get brighter like a sunrise in the morning to start your day the right way.

Bed time

Set your lights to slowly dim down helping you wind down ready for bed.



Geofencing.

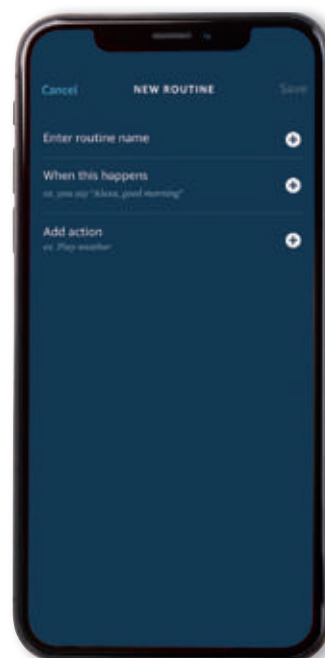
The app can use your location to know that you are returning home. You can set it so that when you are a specified distance from your home the lights will turn on. Take a look at what you can control and pre-set through the Collingwood app.

Driveway

If you have a dark long driveway you could use this feature to highlight the driveway as you approach it without any need for sensors.

Home

You can get your home to light up the moment you walk into your home, which can be pretty useful when your hands are full.



Create routines.

Using Amazon Alexa or a Google Assistant you can create routines to work with other smart devices. To create a routine use your Alexa or Google assistant app and create a routine by selecting 'When this happens' and then 'Add action'.

When this happens

You can choose anything to go here that is relevant to another smart device, such as 'When my smart doorbell rings'.

Add action

Now choose the lights that you want to turn on or the lighting scene you want to activate, such as 'Turn hall way lights on'.

End result

In the example we have given above the following will now happen: When someone rings my smart doorbell my hallway lights will turn on.

How does it work.

Smart made simple

Understand what is controlled through the CWD Smart app, how it connects to the cloud and Wi-Fi, along with the mesh network to how to install each component of the smart range.

Control.

You control your smart products using the **CWD Smart** app or via a voice assistant such as Amazon Alexa or Google assistant. Your phone or voice assistant will then send the commands you have given to the cloud via the internet.



CWD Smart app

Cloud & WiFi via home router.

Once your commands are received by the cloud that information is sent to the Collingwood smart hub (or Amazon Echo Plus) via a WiFi connection.

Linking your app, smart hub and voice assistant to the cloud means that you can control your lights from anywhere in the world.

Mesh network.

The smart hub (or Amazon Echo Plus) will then communicate directly with your smart lighting products, telling them the commands you originally sent. The smart product will then tell the smart hub that the command has been completed and run back up the chain to the app.

Mesh network uses radio waves to allow all of the products to talk to each other.

If your smart product is out of range of the smart hub, then as long as it is still in range of another smart product then the command will be passed on by the other product to get to the smart product which is out of range.

Easily install products.

Our smart range has been designed to be easy to use your existing lights or easily replace your current lamps with smart lamps.

Smart dimmable bridge

Install into a ceiling void between the light switch and the first light in the circuit.

Smart non-dimmable bridge

The non-dimmable bridge is designed for use with Collingwood landscape and decorative products. It is IP20 so will need to be installed in an IP rated junction box, or in a dry location, and can be connected to Collingwood spike lights, ground lights, wall lights and more. Outside lighting can now be controlled remotely, with all the benefits of the system, such as scheduling and geo fencing.

Smart lamps

Simply replace your current lamps with our smart lamps.

Smart plug

Simply plug in the smart plug and then plug in your electrical device into the smart plug.

Smart sensor

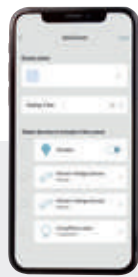
Set the smart devices to automatically switch on when motion is detected, or set night mode, so they are only triggered when the ambient lights drops below 50 lux.

Smart wall panel

Remote and battery powered, the wall panel can be installed anywhere, or used remotely within a home, with four configurable keys.

Smart downlight

Easy install with the patented Easy-fit connector and loop-in loop-out terminals.



via home router



via home router



Smart hub

Smart sensor



Smart plug



Smart dimmable bridge



Smart non-dimmable bridge



Smart downlight



Smart wall control panel



Smart lamp



Smart products.

Choose the ideal product for your installation

We offer an option for all types of installation. Choose between using your existing lights, plug-in appliances, dimmable lamps, colour tuneable lamps, RGBW lamps and LED downlights to get the ideal effect for your installation.

Required

Connect to WiFi

Required for all installations

Not required if you have an Amazon Echo Plus



Additional controls

Ideal for internal use, anywhere within a home

Wireless battery operated

Ideal for internal use, areas such as hallways and corridors

Wireless battery operated

Smart hub.



Key data

Partcode	CWSHUB / CWSHUB2
Quantity of smart products per smart hub	30 / 50
Dimensions	63 x 63 x 23mm

Where to install it

Simply plug it into an electrical socket. Comes with plug and cable.

CWD smart app.



How to download

Download the app for free from the app store or Google play store.

Functionality

- Control
- Scheduling
- Scene setting
- Wake up
- Geofencing
- Routines

Smart wall panel.



Key data

Partcode	CWSWP
Quantity of smart products per smart wall panel	25 on each button (max 5 panels paired to a hub)
Dimensions	85 x 85 x 15mm

Where to install it

Anywhere inside your home, can be either mounted to the wall or used remotely.

Tip

Customise each of the four keys through the CWD SMART app. For example use one as a on off key, the others as scenes. If you want ambient lighting for the evening, simply press the key.

Smart sensor.



Key data

Partcode	CWSMS
Quantity of smart products per smart sensor	25
Dimensions	50 x 50 x 32mm

Where to install it

Simply install it anywhere in a room, where you require light by motion.

Tip

Install it in a front hall way of a home, so when motion is detected it will turn on without having to look for the switch, or opening the CWD SMART app.

Use with your existing lighting

Ideal for downlights
such as the H2 Lite

Dimmable



Smart dimmable bridge.



Key data

Partcode	CWSBRI
Maximum load	120W
Dimensions	155 x 44 x 30mm

Where to install it

Into ceiling voids between the light switch and the first light in the circuit.

Tip

To keep manual control, change light switch to a retractive type, found at all wholesalers or electrical outlets. This ensures the bridge is in standby when switched off, always listening for commands from the app or your voice.

Do not use with a triac wall dimmer.

Ideal for outdoor lighting
such as the Collingwood
landscape range

Non-dimmable



Smart non-dimmable bridge.



Key data

Partcode	CWSNBRI
Maximum load	600W
Dimensions	155 x 44 x 30mm

Where to install it

Into a ceiling void or waterproof junction box between the light switch and the first light in the circuit.

Tip

To keep manual control, change light switch to a retractive type, found at all wholesalers or electrical outlets. This ensures the bridge is in standby when switched off, always listening for commands from the app or your voice.

Ideal for plug-in
electrical appliances

Non-dimmable



Smart plug.



Key data

Partcode	CWSPUK
Maximum load	13A
Dimensions	155 x 44 x 30mm

Where to install it

Into an electrical socket.

Tip

Simply plug the electrical appliance into the smart plug and you are ready to connect to the app.

Smart products.

Choose the ideal product for your installation

We offer an option for all types of installation. Choose between using your existing lights, plug-in appliances, dimmable lamps, colour tuneable lamps, RGBW lamps and LED downlights to get the ideal effect for your installation.

Replace your lamps with smart lamps

Available in GU10, B22 & E27

Dimmable



Colour tuneable



RGBW



GU10*



Key data

Partcode	CWSGU10D
Wattage	4.8W
Kelvin	2700K
Lumens	350 lumens
Lifetime	25,000hrs

GU10*



Key data

Partcode	CWSGU10C
Wattage	4.8W
Kelvin	2700K - 6500K
Lumens	390 lumens
Lifetime	25,000hrs

GU10*



Key data

Partcode	CWSGU10R
Wattage	4.8W
Kelvin	1800K - 6500K & RGB
Lumens	420 lumens
Lifetime	25,000hrs

B22



Key data

Partcode	CWSBCDD
Wattage	9W
Kelvin	2700K
Lumens	806 lumens
Lifetime	25,000hrs

B22



Key data

Partcode	CWSBCDC
Wattage	9W
Kelvin	2700K - 6500K
Lumens	806 lumens
Lifetime	25,000hrs

B22



Key data

Partcode	CWSBCDR
Wattage	9W
Kelvin	1800K - 6500K & RGB
Lumens	806 lumens
Lifetime	25,000hrs

E27



Key data

Partcode	CWSE27D
Wattage	9W
Kelvin	2700K
Lumens	806 lumens
Lifetime	25,000hrs

E27



Key data

Partcode	CWSE27C
Wattage	9W
Kelvin	2700K - 6500K
Lumens	806 lumens
Lifetime	25,000hrs

E27



Key data

Partcode	CWSE27R
Wattage	9W
Kelvin	1800K - 6500K & RGB
Lumens	806 lumens
Lifetime	25,000hrs

*GU10's are ideal with our GU10 downlight housings and are insulation coverable

Replace your lights with smart downlights

Fixed

Colour tuneable



Smart H2 Pro.



Key data

Partcode	SDLE52755C
Wattage	7.5W
Kelvin	2700K - 6000K
Lumens	600 - 650 lumens
Cut out	Ø64 - 72mm

Where to install it

Suitable for kitchens, bathrooms and hallways. Quick and easy to install with the patented Easy-fit connector.

Tip

The smart downlights are dimmable and colour tuneable which means they can achieve up to 64,000 shades of white ranging between 2700K (warm white) to 6000K (cool white).

Adjustable

Colour tuneable



Smart H4 Pro.



Key data

Partcode	SDLE52855C
Wattage	7.5W
Kelvin	2700K - 6000K
Lumens	600 - 650 lumens
Cut out	Ø69 - 72mm

Where to install it

Suitable for areas where features are to be highlighted on a wall.

Tip

With all the benefits of the H2 Pro smart downlights, the H4 Pro is adjustable by +/- 20°.

Residential.

Lighting has the ability to transform a home into a space to relax and be comfortable. Create a striking balance of layering light that blends seamlessly together. Consider use of dimmers as they allow for flexibility depending on the time of day, event or mood you want to create, whilst also acting as a great way to reduce energy consumption. Here at Collingwood, we understand the need to create

warm and inviting spaces, which is why we have a range of colour temperatures to choose from to create the right atmosphere for the room. Whether that's 2700K for a cosy, inviting look or 6500K to replicate natural daylight, we are confident that we have the solution for you.



Residential downlights.

Inviting and versatile environments

Creating the perfect atmosphere with lighting can transform any space from a dull and lifeless area to a warm and inviting environment.

High output downlights

H5 500 | H5 1000

The H5 range has been refreshed with radical improvements in performance, features and benefits. The new and improved H5 includes interchangeable reflectors, helping you to achieve the desired look. A silver reflector is supplied as standard with a choice of white, gold, chrome and black available separately and easily secured by magnets. An excellent choice for use in kitchens with its IP65 rating, this range features Collingwood's patented moisture seal, ensuring its longevity.



Colour switchable
Easily switch between
2700K, 3000K &
4000K



Efficacy
Up to 120lm/W
providing cost and
energy savings



Tilttable option
H5 is tilttable for
vaulted ceilings



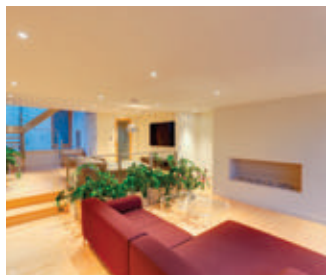
LED colour options

Choosing the correct colour temperature for your scheme can really help to create the right environment. Available in 2700K, 3000K, 4000K and 6500K, we are committed to ensuring that we have colour consistency across our range, whether that's downlights, ground lights or LED strip lighting.

2700K



3000K



4000K



6500K



Colour switchable

Our colour switchable downlights are a great way of having the flexibility to change the colour temperature of your lighting, ensuring the desired effect is easily achieved. We have options that enable the colour temperature to be adjusted by a switch under the bezel, or to adjust using a standard wall switch or dimmer.

3000K



4000K



6500K



Market's first lumen & colour switchable residential downlight

H2 Pro | H4 Pro

Our relentless focus on quality, reliability and ease of fitting has resulted in consistent improvements to our downlights. We ensure that our downlights work first time, every time and do not fail across their lifetime. With the H2 Pro and H4 Pro, we are proud to present our latest innovation; the markets first residential downlights that allow both the colour temperature and the lumen output to be changed. These patented downlights are all mains dimmable, and feature the two part easy-fit push fit connector for ease of installation, and have a seven year extended warranty.



Lumens switchable
Switch between
650lm & 850lm



Colour switchable
Switch between 2700K,
3000K & 4000K



IP65
Can be used in
bathrooms & kitchens



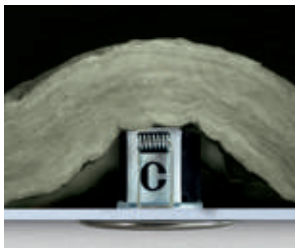
Tilttable option
H4 Pro is tilttable
for vaulted ceilings



Insulation coverable

Many of our downlights are insulation coverable, suitable for both rolled and blown installation.

Rolled insulation



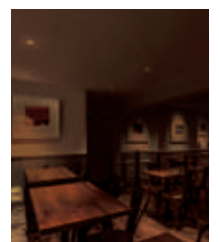
Blown insulation



Dim to warm

For a warmer and more comfortable environment, our dim to warm products can replicate the atmosphere typically created by a dimmed incandescent lamp with all the benefits of a Collingwood LED.

3000K (100% intensity) 2400K (50% intensity) 1800K (25% intensity)



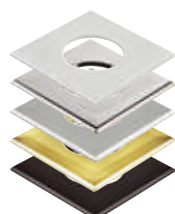
Bezel and H5 Metal reflector options

Our bezels have a slimline, flush finish with a twist and lock technology that ensures replacing these is a quick and easy process. Choose from a wide selection of round and square bezels in a range of colour options. The H5 reflectors have been innovatively designed so they can be easily replaced at any time, and secured in place by magnets.

H2 range: round



H2 range: square



H4 range: round



H5 range: reflectors



Residential downlights.

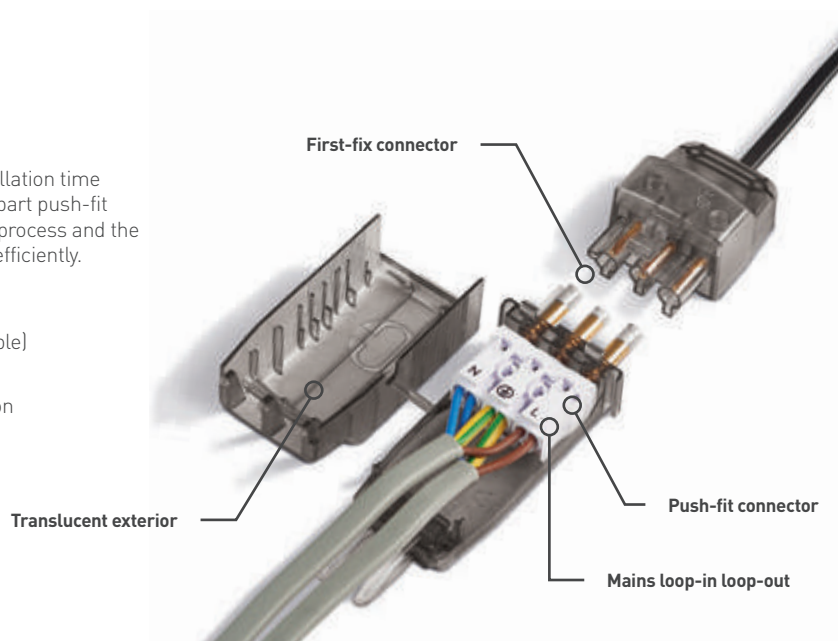
Easy installation and built to last

Built to last with high quality components and innovative features, ensuring longevity and easy installation.

Easy-fit connector

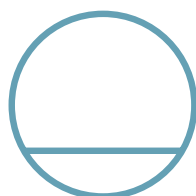
Our patented Easy-fit connector is designed to minimise installation time and ensure fitting the product is as easy as possible. The two part push-fit connector makes wiring to the mains a less time-consuming process and the luminaire can be attached or replaced by anyone quickly and efficiently.

- Piano key connector for ease of installation
- First-fix compatible (Insulation resistance testing compatible)
- Retro-fit compatible
- Less risk of damaging fittings and ceiling during installation
- No tools required for installation (when already attached to product)
- Loop-in loop-out
- 16A rated



IP ratings

Our downlights range offer an IP rated product for every installation.



IP20

Ideal for use indoors and where there is no risk of water splashing the product.



IP44

Ideal for use indoors, in bathrooms and other places where water might splash the product.



IP65

Ideal for use indoors or outdoors, in bathrooms and other places where water may be sprayed onto the product.

High efficacy

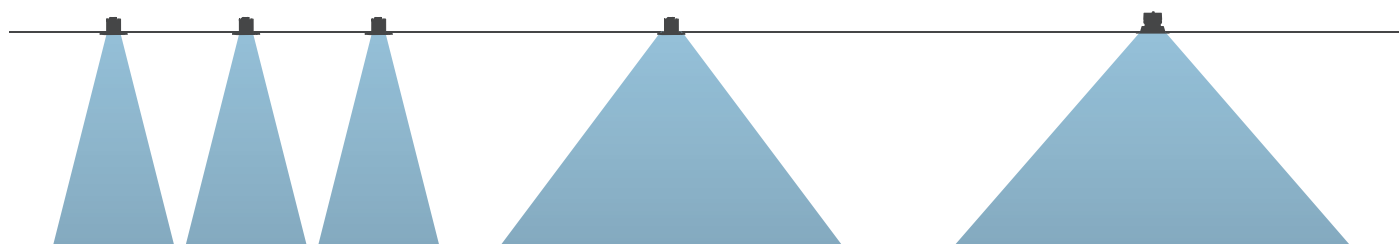
We strive to ensure all of our products are as energy efficient as possible.

Many of our downlights have been upgraded to efficacy ratings of over 100lm/W. Not only do they feature innovation, performance and premium quality, they are also light on energy consumption and bills.



Beam angles

Products with a wide beam angle cover a wider area with fewer lights, reducing time and cost spent on fittings. Alternatively, products with a narrow beam angle have a great light intensity and are perfect for smaller spaces.



H2 Pro Extreme

The H2 Pro Extreme is an innovation first for Collingwood, with the unique feature of a completely waterproof seal. This downlight is IP65 rated from both the front and back, which means it can be used with complete confidence in a range of outdoor applications including soffits and eaves, external garage facades and commercial buildings.

IP65 front & back

The H2 Pro Extreme is IP65 from the front and the back making it perfect for soffits and other outdoor installations. Where most IP65 downlights would fail due to moisture getting in through the back of the product. Available in either matt white or matt black finishes.



Corrosion resistant protection

Rust resistant technology maintains the products fit, form and function for its entire lifespan.



Salt mist protective paint

Specialist paint ensures protection in coastal areas.



Emergency pack service

In the event of a power outage, your emergency lighting system will illuminate a safe evacuation route from commercial and high occupancy buildings such as office spaces, hospitals and hotels.

Collingwood Lighting's pre-wired emergency pack service option is available across a large selection of our downlight range offering a flexible solution to complement any lighting scheme.

With this service, the wiring has already been completed so you don't have to, providing peace of mind and reducing installation time.

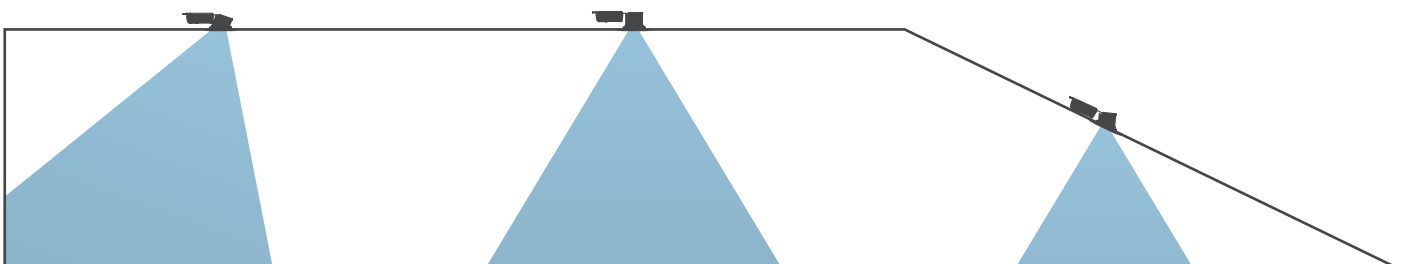
Concealed lighting

Our trimless products are designed to completely conceal the fitting. The plate is placed flush to the ceiling and plastered over, concealing the plate and offering crisp ceiling lines.



Adjustable fittings

Collingwood's adjustable range provides a versatility that is perfect for vaulted ceilings, standard ceilings and for highlighting features and artwork on walls.



Cut out size guide.

For your downlights

Use the guide below to determine the recommended cut-out size for each Collingwood downlight. For retro-fitting varied sizes, view our converter plate range on **page 97**.

60 - 72mm	64 - 72mm	65- 75mm	69 - 72mm	110 - 115mm
H2 Pro Elect Trimless H5 Trimless	H2 Lite H2 Lite 500 H2 Lite 500 CSW H2 Lite 500 CSP H2 Lite 400 CSP H2 Pro H2 Pro Smart H2 Pro 550 H2 Pro 550 SPS H2 Pro 550 CS H2 Pro Dusk H2 Pro Elect H2 Pro 700	H2 Pro Extreme	H4 Lite H4 Pro H4 Pro Smart H4 Pro 550 H4 Pro 550 SPS H4 Pro Elect H4 Pro 700	H5 500 H5 1000

I-Joist and Metal Web approved.

Our downlights have undergone vigorous testing to ensure they are perfect for use with I-Joists, metal web and solid timber ceiling types.

Vigorously tested to ensure fit-for-purpose products

Collingwood were the first company to produce a fit-for-purpose, high performance, fire-rated downlight that enabled compliance to Part B of the building regulations. In the period since, we have supplied millions of downlights worldwide.

What is a timber I-Joist?

These are purposely engineered to be light and strong, whilst removing the imperfections which can come from natural timbers. The name comes from the shape. There is a top and bottom flange element with the web in between. Their common application is within residential floors, roofs and are becoming increasingly popular with their benefits over solid timber joists. Such benefits include the ease of handling due to their light weight, less prone to warping and ease of drilling to install services such as pipes and cables.

What is a metal web joist?

A metal web joist is a combination of timber chords and pressed metal webs, which form an open web joist. The open web allows for installations of services like pipes and cables to pass through the metal webs without the need for cutting holes within the joist. The open web structure means they are lighter to handle than solid timber joists, and allows for greater load bearing areas with the open web design, making it simple to install pipes cables etc.

Which ceiling systems are approved for use?

See compatibility table on page 27.





H2 Lite

Dimmable, fire-rated downlight with integrated bezel & Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
UGR	22
Dimmable	Yes
Input	Mains AC
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	Rolled insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1A 0.25ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	160g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT388BS5540	Brushed steel	4.4W	4000K	55°	460	105	527
DLT388BS5530	Brushed steel	4.4W	3000K	55°	440	100	504
DLT388CR5540	Chrome	4.4W	4000K	55°	460	105	527
DLT388CR5530	Chrome	4.4W	3000K	55°	440	100	504
DLT388MW5540	Matt white	4.4W	4000K	55°	460	105	527
DLT388MW5530	Matt white	4.4W	3000K	55°	440	100	504

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

Residential downlights.

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GUARANTEE / WARRANTY

4 year extended warranty

FEATURES & BENEFITS

100lm/W+

Insulation coverable

Only 4.4W

Uses single point source technology to replicate traditional halogen look

Mains dimmable

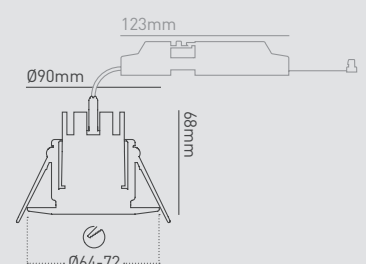
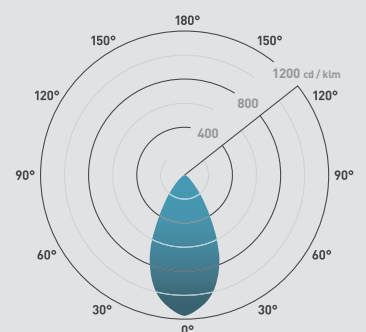
Compact integral driver for easy installation

Push-fit terminal connector included

LED downlight complete with integrated bezel for a straightforward fit




Plastic insulation protector built in

Beam angle: 55°



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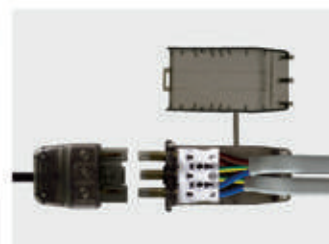
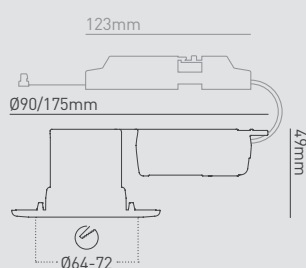
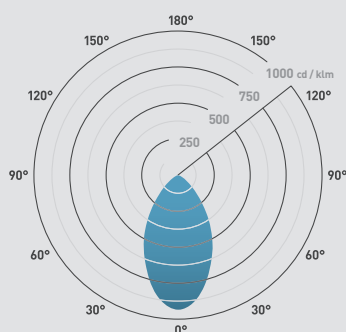
GUARANTEE / WARRANTY

4 year extended warranty

FEATURES & BENEFITS

- 100lm/W
- Only 5W
- Mains dimmable
- LED downlight complete with bezel for a straightforward fit
- Flexible driver position for easy installation
- Easy-fit connector included
- Shallow depth of 49mm
- Uses single point source technology to replicate traditional halogen look
- Compatible with rolled insulation
- Plastic insulation protector built in

Beam angle: 60°



H2 Lite 500

Single point source, dimmable LED downlight with bezel & Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	Rolled insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.2A 0.03ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	230g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT469BS6040	Brushed steel	5W	4000K	60°	500	100	460
DLT469BS6030	Brushed steel	5W	3000K	60°	500	100	460
DLT469MW6040	Matt white	5W	4000K	60°	500	100	460
DLT469MW6030	Matt white	5W	3000K	60°	500	100	460

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.85	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98



H2 Lite 500 CSW

Wall controlled, colour switchable downlight with bezel & connector

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	40,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	Rolled insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.1A 0.02ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	230g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT470BS6500	Brushed steel	6.4W	6500K	65°	510	80	414
			4000K	65°	510	80	414
			3000K	65°	490	77	397
DLT470MW6500	Matt white	6.4W	6500K	65°	510	80	414
			4000K	65°	510	80	414
			3000K	65°	490	77	397

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth [6242Y 2x1.5mm²] or 3-core cable [R02V 3x1.5mm²]
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.9	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

Residential downlights.

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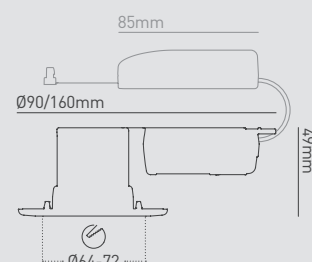
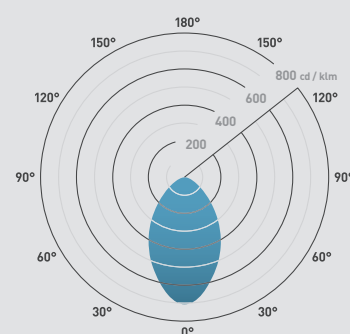
GUARANTEE / WARRANTY

4 year extended warranty

FEATURES & BENEFITS




- 3 colour temperatures in one product
- Easily choose CCT with standard wall switch or dimmer
- High efficacy of up to 80lm/W
- Only 6.4W
- Mains dimmable
- Push-fit terminal connector included
- LED downlight complete with bezel for a straightforward fit
- Flexible driver position for easy installation
- Shallow depth of 49mm
- Compatible with rolled insulation
- Plastic insulation protector built in

Beam angle: 65°



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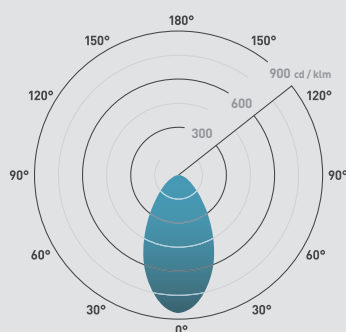
GUARANTEE / WARRANTY

4 year extended warranty

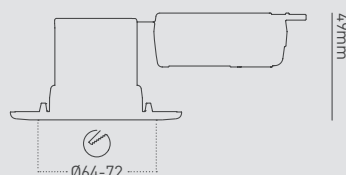
FEATURES & BENEFITS

3 colour temperatures in one product
Easily choose CCT via a switch under the product bezel
High efficacy of up to 97lm/W
Only 6.4W
Mains dimmable
Integrated loop-in, loop-out, push-fit terminal connector included
Flexible driver position for easy installation
Compatible with rolled insulation

Beam angle: 60°



Ø90/168mm



H2 Lite 500 CSP

Colour switchable, dimmable, fire-rated downlight, integrated push-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	No
UGR	22
Dimmable	Yes
Input	Mains AC
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Integrated push-fit terminal connector
Insulation coverable	Rolled insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	2.2A 0.025mS
Construction material	Mild steel / aluminium
Maximum ceiling thickness	40mm
Weight	208g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Colour	Wattage	Beam angle	lm	lm/W	lx at 1m
DLT4566000	6500K	6.4W	60°	570	89	483
	4000K	6.4W	60°	620	97	525
	3000K	6.4W	60°	540	84	458

WIRING INFORMATION

Cable / flying lead	No
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.9	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round & square H2 bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98



H2 Lite 400 CSP

Colour switchable, dimmable, fire-rated downlight, integrated push-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	No
UGR	22
Dimmable	Yes
Input	Mains AC
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Integrated push-fit terminal connector included
Insulation coverable	Blown and rolled
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.5A 0.025ms
Construction material	Mild steel / aluminium
Maximum ceiling thickness	40mm
Weight	300g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	UK Building regulations: Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Colour	Wattage	Beam angle	lm	lm/W	lx at 1m
DLT4564000	6500K	4.5W	60°	450	100	330
	4000K	4.5W	60°	460	102	337
	3000K	4.5W	60°	410	91	300

WIRING INFORMATION

Cable / flying lead	0.15m (Class II)
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.9	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round & square H2 bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

Residential downlights.

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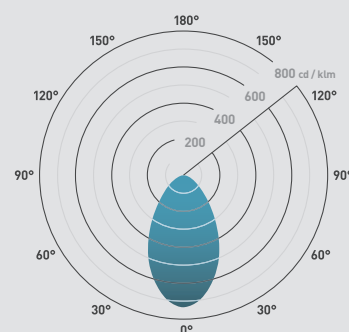
GUARANTEE / WARRANTY

4 year extended warranty

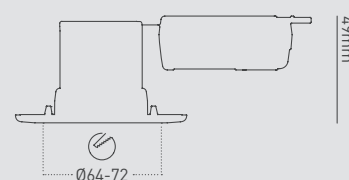
FEATURES & BENEFITS

- 3 colour temperatures in one product
- Easily choose CCT via a switch under the product bezel
- High efficacy of up to 102lm/W
- 4.5W
- Mains dimmable
- Integrated loop-in, loop-out, push-fit terminal connector included
- Flexible driver position for easy installation

Beam angle: 60°






Ø90/168mm



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GUARANTEE / WARRANTY

4 year extended warranty

FEATURES & BENEFITS

±20° adjustable downlight to adjust direction of light

Easy-fit connector

105lm/W

Low energy consumption

IP65 rating

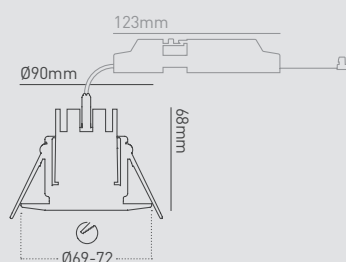
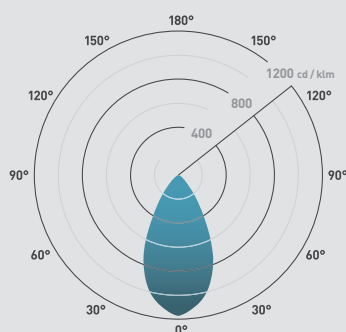
55° beam angle

Mains dimmable as standard

Insulation coverable

Plastic insulation protector built in

Beam angle: 55°



H4 Lite

Adjustable LED downlight with integrated bezel and Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	20°
UGR	22
Dimmable	Yes
Input	Mains AC
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	Rolled insulation
Cut out size	Ø 69-72mm
Bathroom zone	1
Inrush current	1A 0.25ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	240g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	CRI	Colour	Beam angle	lm	lm/W	lx at 1m
DL490BS5540	Brushed steel	4.4W	4000K	55°	460	105	527
DL490BS5530	Brushed steel	4.4W	3000K	55°	440	100	504
DL490CR5540	Chrome	4.4W	4000K	55°	460	105	527
DL490CR5530	Chrome	4.4W	3000K	55°	440	100	504
DL490MW5540	Matt white	4.4W	4000K	55°	460	105	527
DL490MW5530	Matt white	4.4W	3000K	55°	440	100	504

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A




ACCESSORIES

DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Choose between 5W and 7W power to change the lumen output, via a switch on the driver

Choose between 2700K, 3000K and 4000K, via a switch on the driver

Compatible with H2 twist and lock bezels, supplied separately

High efficacy of up to 130lm/W

IP65 front/ IP20 rear

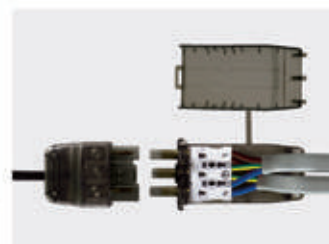
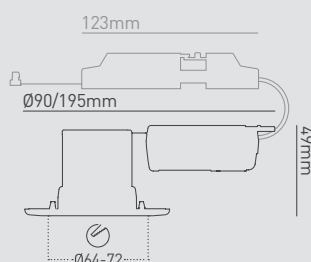
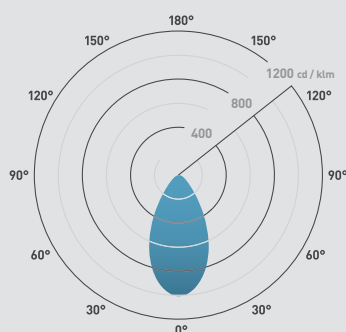
Fire rated and I-Joist and metal web approved

Supplied with two part, push fit connector

Driver on flexible neck for easy installation, detachable via plug and play connector for easy emergency conversions

Plastic insulation protector built in

Beam angle: 55°



H2 Pro

Fixed fire-rated downlight, colour and lumen switchable with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	CCT Switchable
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1A 7.5ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	270g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist, Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
DLE5245500	5W / 7W (Lumen switchable)	4000K	55°	5W: 650 7W: 850	5W: 130 7W: 121	5W: 654 7W: 856
				3000K	55°	5W: 650 7W: 850
		2700K	55°	5W: 550 7W: 750	5W: 110 7W: 107	5W: 554 7W: 755
				3000K	55°	5W: 650 7W: 850
		2700K	55°	5W: 550 7W: 750	5W: 110 7W: 107	5W: 554 7W: 755
				3000K	55°	5W: 650 7W: 850

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm ₂) or 3-core cable (R02V 3x1.5mm ₂)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes	1	N/A	N/A

ACCESSORIES

H2 range bezels	Round & square H2 bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP11	Emergency converter	Sold separately	359



Smart H2 Pro

Smart, fixed, fire-rated, colour tuneable downlight with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Colour tuneable
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h (L70, B10)
CRI	>95Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.44A 5µs
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	200g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist, Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SDLE52755C	7.5W	2700K - 6000K	55°	600 - 650	80 - 87	584 - 632
SDLE52755CEM	7.5W	2700K - 6000K	55°	600 - 650	80 - 87	584 - 632

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm_) or 3-core cable (R02V 3x1.5mm_)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round & square H2 Pro bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
CWSHUB	Smart Hub	Sold Separately	54
CWSWP	Smart wall panel	Sold Separately	54
LEDEP11	Emergency converter	Sold separately	359

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Colour tuneable from 2700K to 6000K via the Collingwood smart app, on your phone or smart device

Has a high CRI of 95 showing a true colour

Suitable for kitchens and bathrooms with an IP65 rating

Downlight can be controlled via voice control (Alexa/Google Assistant)

Easy to install, with Easy-fit connector, and a shallow product depth of 49mm

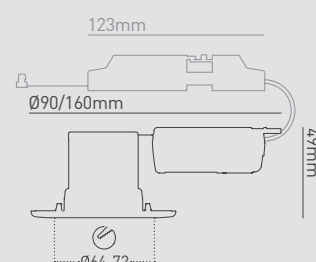
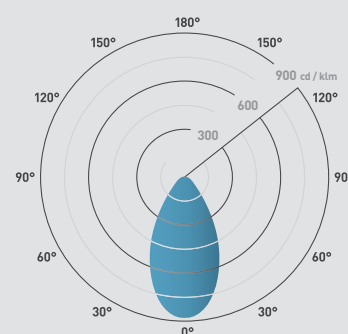
Fire-rated 30, 60, 90 mins solid timber ceilings and 30 mins in i-joist and metal web ceilings

A Collingwood smart hub is required to operate the downlight

Compatible with H2 Pro bezels




Plastic insulation protector built in

Beam angle: 55°



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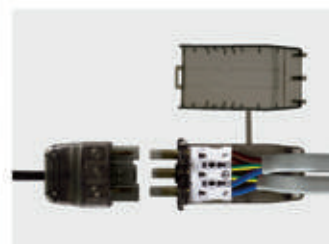
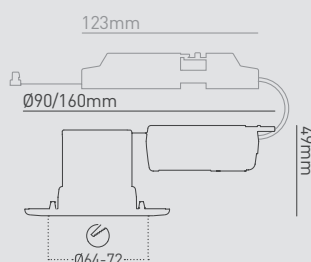
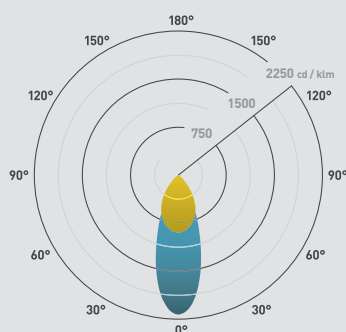
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- Easy-fit connector
- Up to 112 lm/W
- Only 5.2W
- Mains and DALI dimmable
- Slimline twist & lock bezels (sold separately)
- Flexible driver position for easy installation
- Shallow depth of 49mm
- Insulation coverable
- Plastic insulation protector built in

Beam angle: 38° 70°



H2 Pro 550

Dimmable, fire-rated downlight with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
UGR	16 (38° Beam angle) 23 (70° Beam angle)
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.4A / 0.1ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	186g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Dimming	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLE4727040	Mains	5.2W	4000K	70°	580	112	496
DLE4723840	Mains	5.2W	4000K	38°	580	112	1237
DLE4727030	Mains	5.2W	3000K	70°	550	106	462
DLE4723830	Mains	5.2W	3000K	38°	550	106	1173
DLE4727040D	DALI	5.2W	4000K	70°	580	112	496
DLE4723840D	DALI	5.2W	4000K	38°	580	112	1237
DLE4727030D	DALI	5.2W	3000K	70°	550	106	462
DLE4723830D	DALI	5.2W	3000K	38°	550	106	1173

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round and square bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98



H2 Pro 550 SPS

Single point source, dimmable, fire-rated downlight with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1A/0.018us
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	230g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLE4335540	Non-emergency	5W	4000K	55°	560	112	516
DLE4335530	Non-emergency	5W	3000K	55°	550	110	506
DLE4335540EM	Emergency	5W	4000K	55°	390	156	359
DLE4335530EM	Emergency	5W	3000K	55°	370	148	341

While stocks last

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round & square H2 Pro bezel options	Sold separately	82
DLCNVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358

Residential downlights.

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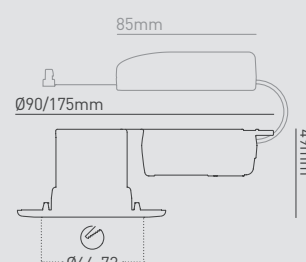
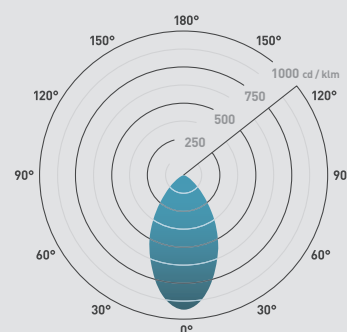
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS




- 110lm/W+
- Only 5W
- Mains dimmable
- Slimline twist & lock bezels (sold separately)
- Flexible driver position for easy installation
- Shallow depth of 49mm
- Uses single point source technology to replicate traditional halogen look
- Compatible with all types of insulation
- Plastic insulation protector built in

Beam angle: 55°



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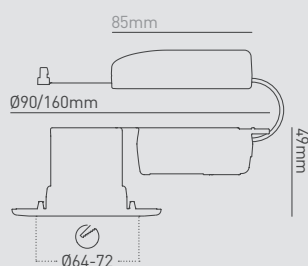
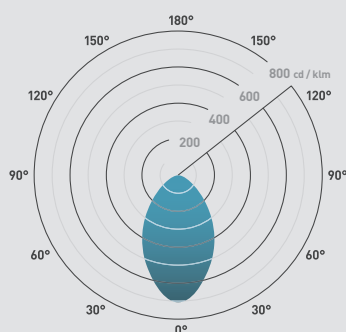
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- 3 colour temperatures in one product
- Easily choose CCT with standard wall switch or dimmer
- High efficacy of up to 94lm/W
- Only 6.4W
- Mains dimmable
- Push-fit terminal connector included
- Slimline twist & lock bezels (sold separately)
- Flexible driver position for easy installation
- Shallow depth of 49mm
- 90lm/W+
- Plastic insulation protector built in

Beam angle: 65°



H2 Pro 550 CS

Colour switchable, dimmable, fire-rated downlight with connector

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.1A 0.02ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	186g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT4286500	Non-emergency	6.4W	6500K	65°	600	94	486
			4000K	65°	600	94	486
			3000K	65°	575	90	446

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.9	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round & square H2 Pro bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358



H2 Pro 700

Dimmable, fire-rated downlight with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
UGR	22
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	No
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.6A 0.1ms
Construction material	Mild steel / Aluminium / PC V0 rated
Maximum ceiling thickness	40mm
Weight	360g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLE4795540	Non-emergency	7W	4000K	55°	750	107	604
DLE4795530	Non-emergency	7W	3000K	55°	700	100	564
DLE4795527	Non-emergency	7W	2700K	55°	700	100	564

While stocks last

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round and square bezel options	Sold separately	82
DLCNVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Easy-fit connector

IP65 rated

Mains dimmable as standard

Uses single point source technology to replicate traditional halogen look

55° beam angle offers superior illumination and allows for larger spacing between downlights

High lumen output suitable for high ceilings

Slimline twist & lock bezels (sold separately)

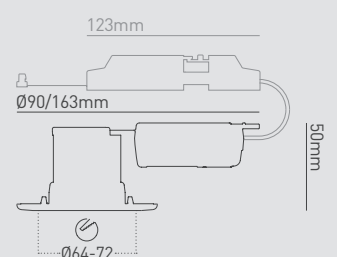
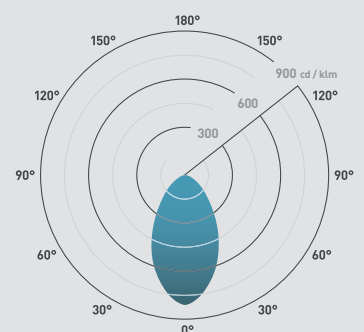
Includes Easy-fit connector

Mains dimmable

Only 7W




100lm/W+

Beam angle: 55°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Dim to warm technology creates warmer environments by reducing the colour temperature during dimming

Uses single point source technology to replicate traditional halogen look

55° beam angle offers superior illumination and allows for larger spacing between downlights

Easy-fit connector for quick and easy installation

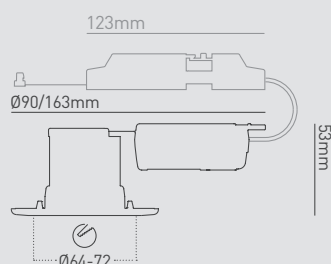
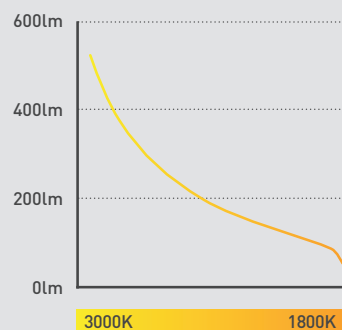
Slimline twist & lock bezels (sold separately)

Flexible driver position for easy installation

Mains dimmable with leading edge dimmers

Shallow depth of 53mm

Beam angle: 55°



H2 Pro Dusk

Dim to warm, fire-rated downlight with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Dim to warm
Tilttable	No
UGR	22 (TBC)
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	15.5A 0.2ms
Construction material	Mild steel / Aluminium / PC V0 rated
Maximum ceiling thickness	40mm
Weight	230g (TBC)
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLE5435518	Non-emergency	8W	1800-3000K	55°	550	68	506 (TBC)
DLE5435518EM	Emergency	8W	1800-3000K	55°	550	68	506 (TBC)

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round and square bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358



H2 Pro Elect

Low glare, dimmable, fire-rated downlight with connector

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour or Dim to warm
Tilttable	No
UGR	14
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	No
Cut out size	Ø 64-72mm
Bathroom zone	N/A
Inrush current	1.4A 0.04ms
Construction material	Mild steel / Aluminium / PC VO rated
Maximum ceiling thickness	40mm
Weight	240g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber and I-Joist
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT4074540	Non-emergency	8.5W	4000K	45°	640	75	1077
DLT4074530	Non-emergency	8.5W	3000K	45°	600	71	1009
DLT4074528	Non-emergency	8.5W	1800-3000K	45°	380	46	588
DLT4074540EM	Emergency	8.5W	4000K	45°	280	104	471
DLT4074530EM	Emergency	8.5W	3000K	45°	260	96	437
DLT4074528EM	Emergency	8.5W	1800-3000K	45°	180	67	278

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm ²) or 3-core cable (R02V 3x1.5mm ²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H2 range bezels	Round and square bezel options	Sold separately	82
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358

Residential downlights.

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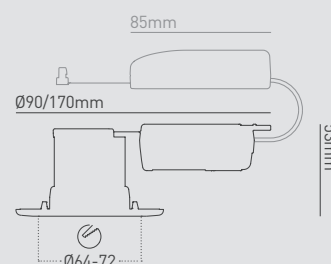
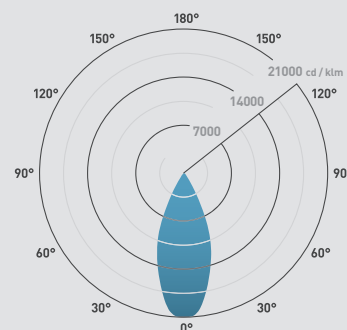
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS




- Low glare downlight - UGR 14
- 45° beam angle for wide illumination
- Push-fit terminal connector included
- Slimline twist & lock bezels (sold separately)
- Shallow depth of 53mm
- Flexible driver position for easy installation
- Dim to warm option available
- Mains dimmable

Beam angle: 45°



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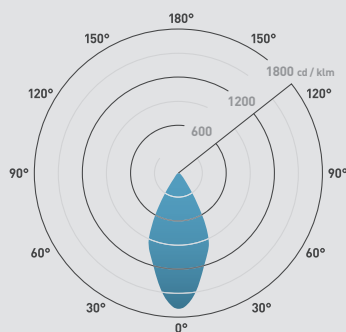
GUARANTEE / WARRANTY

7 year extended warranty

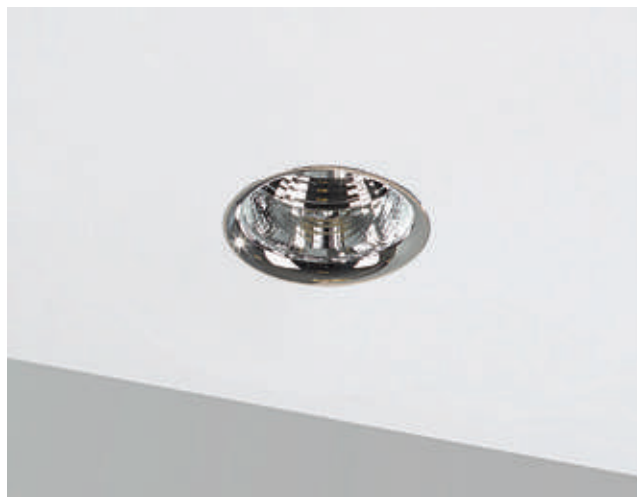
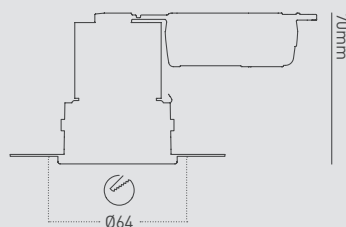
FEATURES & BENEFITS

Low glare downlight - UGR 14
45° beam angle for wide illumination
Plaster-in downlight
Flexible driver position for easy installation
Dim to warm option available
Mains dimmable

Beam angle: 45°



Ø114/172mm



H2 Pro Elect Trimless

Low glare, trimless, dimmable, fire-rated downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	No
UGR	14
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	No
Cut out size	Ø 60-72mm
Bathroom zone	N/A
Inrush current	1.4A 0.04ms
Construction material	Mild steel / Aluminium / PC VO rated
Maximum ceiling thickness	40mm
Weight	240g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Colour	Beam angle	CRI	lm	lm/W	lx at 1m
DL4094540	Non-emergency	4000K	45°	>80Ra	700	82	1178
DL4094530	Non-emergency	3000K	45°	>80Ra	650	76	1094
DL4094528	Non-emergency	1800-3000K	45°	>80Ra	380	54	588
DL4094540EM	Emergency	4000K	45°	>80Ra	300	115	505
DL4094530EM	Emergency	3000K	45°	>80Ra	280	108	471
DL4094528EM	Emergency	1800-3000K	45°	>80Ra	170	63	263

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.95	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

LEDEP06	LED emergency pack	Sold separately	356
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98



H2 Pro Extreme

IP65 outdoor downlight with waterproof seal

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
UGR	22
Dimmable	Yes
Input	220-240V
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Flying lead
Insulation coverable	No
Cut out size	Ø 65-75mm
Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	1.0A 0.25ms
Construction material	Aluminium / VO rated plastic
Maximum ceiling thickness	30mm
Weight	185g
Maximum ambient temperature	-30°C to 40°C
SELV	Yes
Building regulations	Part P, L
Ceiling joist approvals	No
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	CRI	Colour	Beam angle	lm	lm/W	lx at 1m
DL48938BLK40	Matt Black	4.6W	4000K	38°	490	107	873
DL48938BLK30	Matt Black	4.6W	3000K	38°	460	100	820
DL48938MW40	Matt White	4.6W	4000K	38°	490	107	873
DL48938MW30	Matt White	4.6W	3000K	38°	460	100	820

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	N/A
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

DM298GRID	Grid Dimmer	Sold separately	98
DM298FP	Flatplate Dimmer	Sold separately	98

Residential downlights.

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GUARANTEE / WARRANTY

4 year extended warranty

FEATURES & BENEFITS

IP65 from the front and back ensuring complete protection against the elements

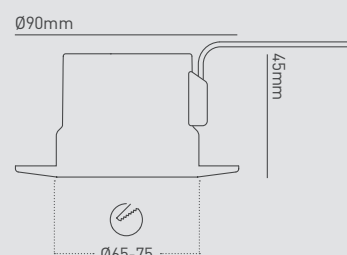
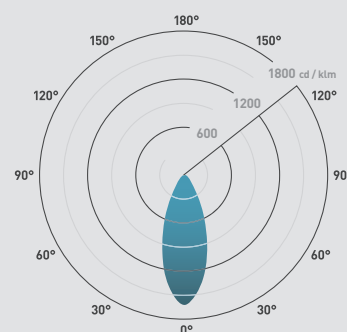
38° beam angle

Dimmable for ultimate flexibility

Corrosion resistant technology




Complete with integrated matt white or matt black bezel

Beam angle: 38°



Residential downlights.

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GUARANTEE / WARRANTY

Covered as part of the H2 range warranty

FEATURES & BENEFITS

Twist & lock system makes interchanging bezels quick, clean and easy

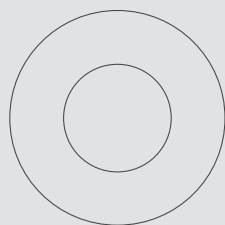
Can be fitted after decoration is complete

Matt white and black bezels can be painted with a wide range of paints designed for domestic ceiling use

Sold in multiples of two

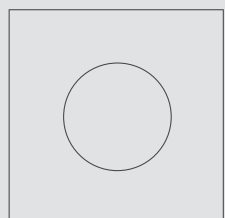
Round bezel

Ø90mm



Square bezel

90x90mm



H2 bezels

Twist & lock system makes changing bezels quick, clean and easy

FEATURES

Construction material

Plastic

PRODUCT CODE

Product code	Finish	Description
RB359BLK	Black	Round matt black bezel
SQB360BLK	Black	Square matt black bezel
RB359BS	Brushed steel	Round brushed steel bezel
RB359CR	Chrome	Round chrome bezel
SQB360CR	Chrome	Square chrome bezel
RB359WH	Gloss white	Round white bezel
RB359MW	Matt white	Round matt white bezel
SQB360MW	Matt white	Square matt white bezel
RB359PG	Polished gold	Round polished gold bezel
SQB360PG	Polished gold	Square polished gold bezel
RB359SIL	Silver	Round silver bezel
SQB360SIL	Silver	Square silver bezel

USE WITH

H2 downlight range

65 - 79



H4 Pro

Adjustable fire-rated downlight, colour switchable and lumen switchable with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	CCT Switchable
Tilttable	Yes
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3 SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1A 7.5ms
Construction material	Mild steel / VO rated insulation built in
Maximum ceiling thickness	40mm
Weight	270g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist, Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
DLE5295500	5W / 7W (Lumen switchable)	4000K	55°	5W: 650	5W: 130	5W: 654
				7W: 850	7W: 121	7W: 856
		3000K	55°	5W: 650	5W: 130	5W: 654
				7W: 850	7W: 121	7W: 856
		2700K	55°	5W: 550	5W: 110	5W: 554
				7W: 750	7W: 107	7W: 755

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm_) or 3-core cable (R02V 3x1.5mm_)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes	1 (ceiling only)	N/A	N/A

ACCESSORIES

H4 range bezels	Round & square H4 bezel options	Sold separately	89
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP11	Emergency converter	Sold separately	359

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Choose between 5W and 7W power to change the lumen output, via a switch on the driver

Choose between 2700K, 3000K and 4000K, via a switch on the driver

Compatible with H4 twist and lock bezels, supplied separately

High efficacy of up to 130lm/W

IP65 front/ IP20 rear

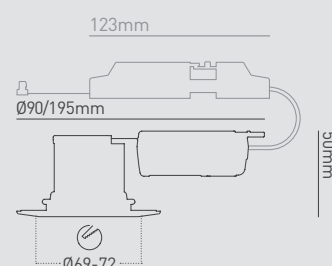
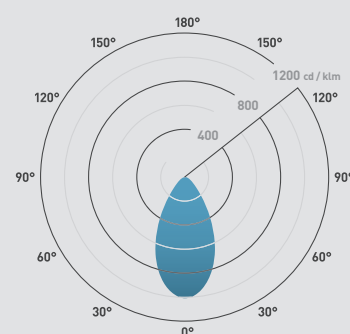
Fire rated, I-Joist and metal web approved

Supplied with two part, push fit connector

Driver on flexible neck for easy installation, detachable via plug and play connector for easy emergency conversions




Plastic insulation protector built in

Beam angle: 55°



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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Colour tuneable from 2700K to 6000K via the Collingwood smart app, on your phone or smart device

Has a high CRI of 95 showing a true colour appearance

Suitable for kitchens and bathrooms with an IP65 rating

Downlight can be controlled via voice control (Alexa/Google Assistant)

Adjustable by +/- 20°

Easy to install, with Easy-fit connector, and a shallow product depth of 49mm

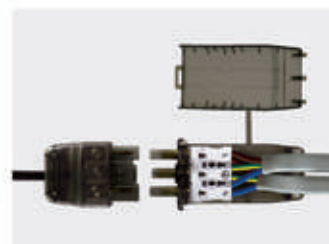
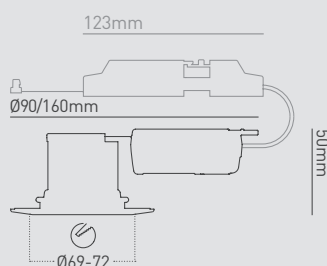
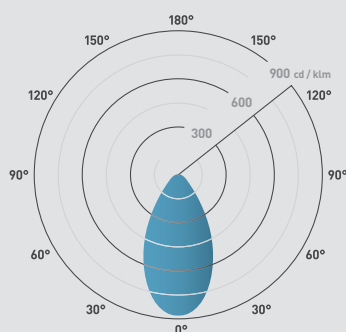
Fire-rated 30, 60, 90 mins solid timber ceilings and 30 mins in i-joist and metal web ceilings

A Collingwood smart hub is required to operate the downlight

Compatible with H4 Pro bezels

Plastic insulation protector built in

Beam angle: 55°



Smart H4 Pro

Smart, adjustable, fire-rated, colour tuneable downlight with Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Colour tuneable
Tilttable	No
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000hrs (L70, B10)
CRI	95
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.44A 5µs
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	200g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SDLE52855C	7.5W	2700K - 6000K	55°	600 - 650	80 - 87	584 - 632
SDLE52855CEM	7.5W	2700K - 6000K	55°	600 - 650	80 - 87	584 - 632

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm ₂) or 3-core cable (R02V 3x1.5mm ₂)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H4 Pro range bezels	Round H4 Pro bezel options	Sold separately	89
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
CWSHUB	Smart Hub	Sold Separately	54
CWSWP	Smart wall panel	Sold Separately	54
LEDEP11	Emergency converter	Sold separately	359



H4 Pro 550

±20° adjustable downlight with twist & lock bezel and Easy-fit connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	20°
UGR	16
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	All insulation
Cut out size	Ø 69-72mm
Bathroom zone	1
Inrush current	0.9A 0.04ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	246g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Dimming	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
DLE4357040	Mains	5.2W	4000K	70°	580	112	496
DLE4353840	Mains	5.2W	4000K	38°	580	112	1237
DLE4357030	Mains	5.2W	3000K	70°	550	106	462
DLE4353830	Mains	5.2W	3000K	38°	550	106	1173
DLE4357040D	DALI	5.2W	4000K	70°	580	112	496
DLE4353840D	DALI	5.2W	4000K	38°	580	112	1237
DLE4357030D	DALI	5.2W	3000K	70°	550	106	462
DLE4353830D	DALI	5.2W	3000K	38°	550	106	1173

To order an emergency version add "EM" to the end of the product code

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.88	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H4 Pro range bezels	Round H4 Pro bezel options	Sold separately	89
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

106lm/W+

Slimline twist & lock bezels (sold separately)

Shallow depth of 50mm

Insulation coverable

Push-fit terminal connector included

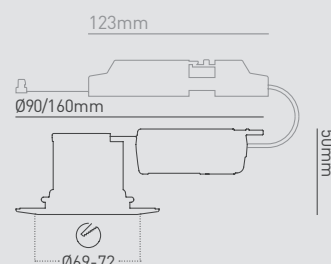
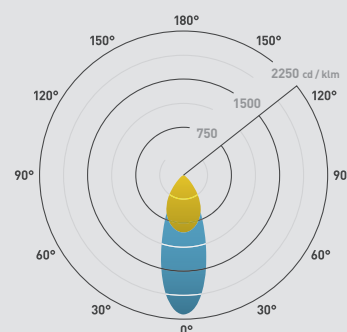
Only 5.2W

Flexible driver position for easy installation

Mains & DALI dimmable




Plastic insulation protector built in

Beam angle: 38° 70°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

±20° adjustable downlight to adjust direction of light

110lm/W+

Slimline twist & lock bezels (sold separately)

Shallow depth of 50mm

Insulation coverable

Uses single point source technology to replicate traditional halogen look

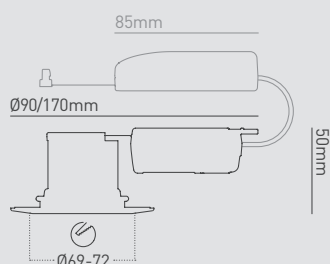
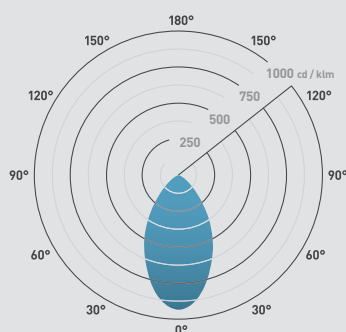
Flexible driver position for easy installation

Only 5W

Mains dimmable

Plastic insulation protector built in

Beam angle: 55°



H4 Pro 550 SPS

±20° adjustable, single point source, dimmable, fire-rated downlight with connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	20°
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	All insulation
Cut out size	Ø 69-72mm
Bathroom zone	1
Inrush current	1.2A 0.03ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	243g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT4365540	Non-emergency	5W	4000K	55°	560	112	516
DLT4365530	Non-emergency	5W	3000K	55°	550	110	506
DLT4365540EM	Emergency	5W	4000K	55°	390	156	359
DLT4365530EM	Emergency	5W	3000K	55°	370	148	341

While stocks last

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A


ACCESSORIES


H4 Pro range bezels	Round H4 Pro bezel options	Sold separately	89
DLCONVERT70 & DLCTV110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

±20° adjustable downlight to adjust direction of light

100lm/W+

Uses single point source technology to replicate traditional halogen look

55° beam angle offers superior illumination and allows for larger spacing between downlights

High lumen output suitable for high ceilings

Shallow depth of 50mm

Push-fit terminal connector included

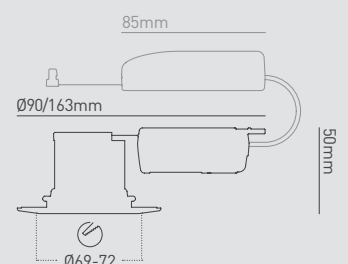
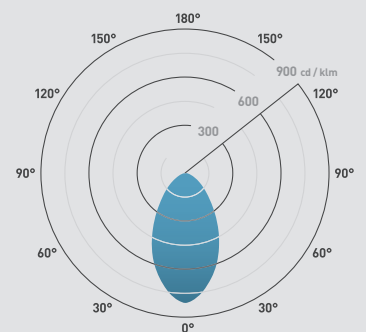
Slimline twist & lock bezels (sold separately)

Flexible driver position for easy installation

Mains dimmable

Only 7W

Beam angle: 55°



H4 Pro 700

±20° adjustable, dimmable, fire-rated downlight with connector

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	20°
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	No
Cut out size	Ø 69-72mm
Bathroom zone	1
Inrush current	0.9A 0.03ms
Construction material	Mild steel / Aluminium / PC VO rated
Maximum ceiling thickness	40mm
Weight	300g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT4435540	Non-emergency	7W	4000K	55°	750	107	604
DLT4435530	Non-emergency	7W	3000K	55°	700	100	564
DLT4435527	Non-emergency	7W	2700K	55°	700	100	564
DLT4435540EM	Emergency	7W	4000K	55°	400	148	322
DLT4435530EM	Emergency	7W	3000K	55°	370	142	298
DLT4435527EM	Emergency	7W	2700K	55°	370	142	298

While stocks last

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS




Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H4 Pro range bezels	Round H4 Pro bezel options	Sold separately	89
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

±20° adjustable downlight to adjust direction of light

Low glare downlight - UGR 14

45° beam angle for wide illumination

Push-fit terminal connector included

Slimline twist & lock bezels (sold separately)

Dim to warm option available

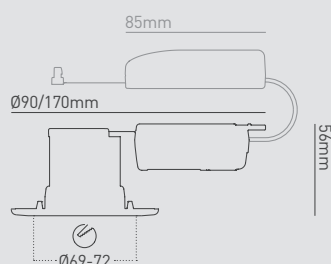
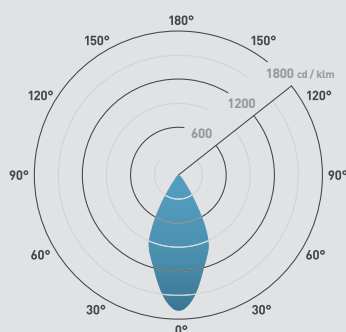
Shallow depth of 56mm

Flexible driver position for easy installation

Mains dimmable

Up to 103lm/W

Beam angle: 45°



H4 Pro Elect

±20° adjustable, low glare, dimmable, fire-rated downlight with connector

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour or Dim to warm
Tilttable	20°
UGR	14
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	No
Cut out size	Ø 69-72mm
Bathroom zone	N/A
Inrush current	1.4A 0.04ms
Construction material	Mild steel / Aluminium / PC VO rated
Maximum ceiling thickness	40mm
Weight	275g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Emergency	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DLT4414540	Non-emergency	8.5W	4000K	45°	700	82	1178
DLT4414530	Non-emergency	8.5W	3000K	45°	650	76	1094
DLT4414528	Non-emergency	8.5W	1800-3000K	45°	380	54	588
DLT4414540EM	Emergency	8.5W	4000K	45°	300	103	505
DLT4414530EM	Emergency	8.5W	3000K	45°	280	96	471
DLT4414528EM	Emergency	8.5W	1800-3000K	45°	180	67	278

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.95	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H4 Pro range bezels	Round H4 Pro bezel options	Sold separately	89
DLCONVERT70 & DLCVT110	Converter plates	Sold separately	97
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98
LEDEP10	Emergency converter	Sold separately	358



H4 bezels

Twist & lock system makes changing bezels quick, clean and easy

FEATURES

Construction material	Plastic
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PRODUCT CODE

Product code	Finish	Description
RB442BS	Brushed steel	Round brushed steel bezel
RB442CR	Chrome	Round chrome bezel
RB442WH	Gloss white	Round white bezel
RB442MW	Matt white	Round matt white bezel

USE WITH

H4 downlight range	83 - 88
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GUARANTEE / WARRANTY

Covered as part of the H4 Pro range warranty

FEATURES & BENEFITS

Twist & lock system makes interchanging bezels quick, clean and easy

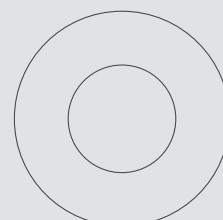
Can be fitted after decoration is complete

Matt white bezels can be painted with a wide range of paints designed for domestic ceiling use

Sold in multiples of two




Round bezel

Ø90mm



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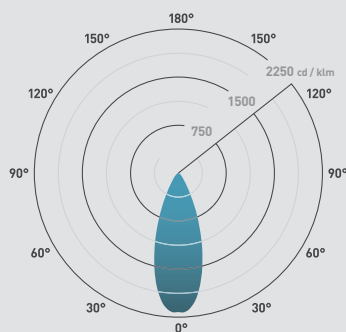
GUARANTEE / WARRANTY

7 year extended warranty

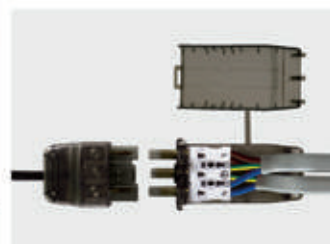
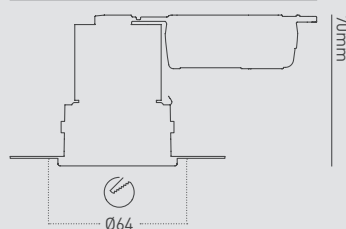
FEATURES & BENEFITS

100lm/W+
Only 5.5W
Mains dimmable
Plaster-in downlight
Recessed fitting for lower glare rating
Flexible driver position for easy installation
Plastic insulation protector built in

Beam angle: 38°



Ø114/172mm



H5 Trimless

Plaster-in, trimless, dimmable, fire-rated downlight

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
UGR	14
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Easy-fit Connector
Insulation coverable	All insulation
Cut out size	Ø 60-72mm
Bathroom zone	1
Inrush current	0.9A 0.05ms
Construction material	Mild steel / VO rated Insulation built in
Maximum ceiling thickness	40mm
Weight	240g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L
Ceiling joist approvals	Solid timber and I-Joist
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
DL282WHNWDIM	Matt white	5.5W	4000K	38°	580	105	1241
DL282WHWWDIM	Matt white	5.5W	3000K	38°	550	100	1177

WIRING INFORMATION

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.88	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

DM298GRID	LED mains grid dimmer	Sold separately	98
DM298FP	Faceplate dimmer	Sold separately	98
LEDEP06	Emergency converter	Sold separately	356



H5 500 Mains

Mains dimmable, fire-rated, adjustable, colour switchable downlight

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	20°
UGR	18
Dimmable	Yes
Input	220-240V
LED lifetime	70,000hrs (L70, B10)
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play
Insulation coverable	All insulation
Cut out size	Ø110-115mm
Bathroom zone	1
Inrush current	1.3A 1ms
Construction material	Mild steel / PC
Maximum ceiling thickness	40mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber and I-Joist
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DL507BSM	Brushed steel	5W	4000K	50°	600	120	757
			3000K	50°	560	112	707
			2700K	50°	550	110	694
DL507CRM	Polished chrome	5W	4000K	50°	600	120	757
			3000K	50°	560	112	707
			2700K	50°	550	110	694
DL507MWM	Matt white	5W	4000K	50°	600	120	757
			3000K	50°	560	112	707
			2700K	50°	550	110	694

To order an emergency version add "EM" to the end of the product code

Please note, beam angle is changed to 50° when using the chrome reflector. Black reflector reduces lumen output by approximately 10%.

WIRING INFORMATION

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H5 Reflectors	Reflector for H5 500 / H5 1000 downlights	Sold Separately	96
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

Residential downlights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Colour switchable, via a switch rear of the downlight

Fire-rated in both I-Joist and solid timber ceilings

20° adjustable downlight to adjust direction of light

Available in mains dimming or 1-10V

Compatible with magnetic reflectors which are sold separately, choose from 4 finishes

Low glare with a UGR of 18

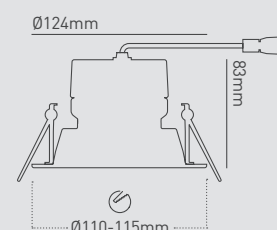
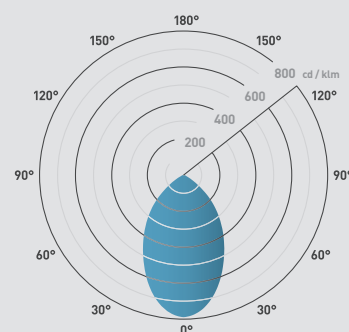
Up to 120lm/W for low lifetime running costs

Plug & play connector for simple installation

Emergency version available




Supplied with a silver reflector for optimum performance and low glare

Beam angle: 50°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Colour switchable, via a switch rear of the downlight

Fire-rated in both I-Joist and solid timber ceilings

20° adjustable downlight to adjust direction of light

Available in mains dimming or 1-10V

Compatible with magnetic reflectors which are sold separately, choose from 4 finishes

Low glare with a UGR of 18

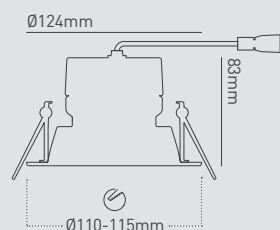
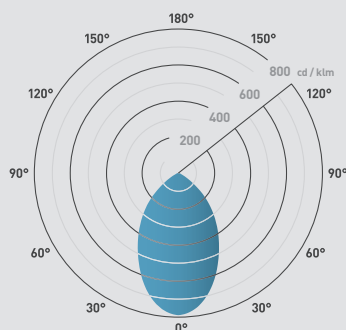
Up to 120lm/W for low lifetime running costs

Plug & play connector for simple installation

Emergency version available

Supplied with a silver reflector for optimum performance and low glare

Beam angle: 50°



H5 500 1-10V

1-10V, fire-rated, adjustable, colour switchable downlight

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	20°
UGR	18
Dimmable	Yes
Input	220-240V
LED lifetime	70,000hrs (L70, B10)
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play
Insulation coverable	All insulation
Cut out size	Ø110-115mm
Bathroom zone	1
Inrush current	10A 22µs
Construction material	Mild steel / PC
Maximum ceiling thickness	40mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber and I-Joist
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
DL507BSV	Brushed steel	5W	4000K	50°	600	120	757
			3000K	50°	560	112	707
			2700K	50°	550	110	694
DL507CRV	Polished chrome	5W	4000K	50°	600	120	757
			3000K	50°	560	112	707
			2700K	50°	550	110	694
DL507MWV	Matt white	5W	4000K	50°	600	120	757
			3000K	50°	560	112	707
			2700K	50°	550	110	694

To order an emergency version add "EM" to the end of the product code

Please note, beam angle is changed to 50° when using the chrome reflector. Black reflector reduces lumen output by approximately 10%.

WIRING INFORMATION

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H5 Reflectors	Reflector for H5 500 / H5 1000 downlights	Sold Separately	96
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98



H5 1000 Mains

Mains dimmable, fire-rated, adjustable, colour switchable downlight

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	20°
UGR	21
Dimmable	Yes
Input	220-240V
LED lifetime	70,000hrs (L70, B10)
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play
Insulation coverable	No
Cut out size	Ø110-115mm
Bathroom zone	1
Inrush current	2A 30µs
Construction material	Mild steel / PC
Maximum ceiling thickness	40mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber and I-Joist
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DL510BSM	Brushed steel	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745
DL510CRM	Polished chrome	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745
DL510MWM	Matt white	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745

To order an emergency version add "EM" to the end of the product code
Please note, beam angle is changed to 50° when using the chrome reflector. Black reflector reduces lumen output by approximately 10%.

WIRING INFORMATION

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H5 Reflectors	Reflector for H5 500 / H5 1000 downlights	Sold Separately	96
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

Residential downlights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Colour switchable, via a switch rear of the downlight

Fire-rated in both I-joist and solid timber ceilings

20° adjustable downlight to adjust direction of light

Available in mains dimming, DALI or 1-10V

Compatible with magnetic reflectors, sold separately

Low glare with a UGR of 21

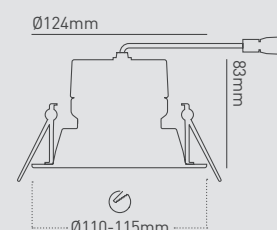
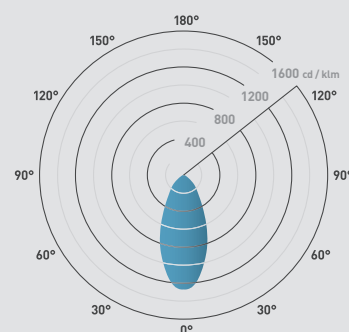
Up to 101lm/W for low lifetime running costs

Plug & play connector for simple installation

Emergency version available




Supplied with a silver reflector for optimum performance and low glare

Beam angle: 70°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Colour switchable, via a switch rear of the downlight

Fire-rated in both I-joist and solid timber ceilings

20° adjustable downlight to adjust direction of light

Available in mains dimming, DALI or 1-10V

Compatible with magnetic reflectors, sold separately

Low glare with a UGR of 21

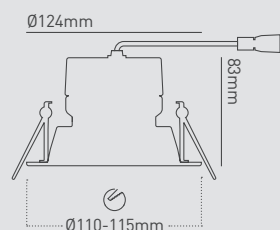
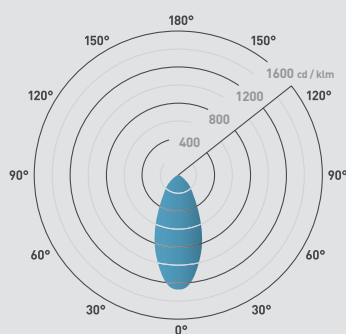
Up to 101lm/W for low lifetime running costs

Plug & play connector for simple installation

Emergency version available

Supplied with a silver reflector for optimum performance and low glare

Beam angle: 70°



H5 1000 1-10V

1-10V, fire-rated, adjustable, colour switchable downlight

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	20°
UGR	21
Dimmable	Yes
Input	220-240V
LED lifetime	70,000hrs (L70, B10)
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play
Insulation coverable	No
Cut out size	Ø110-115mm
Bathroom zone	1
Inrush current	40A 0.35ms
Construction material	Mild steel / PC
Maximum ceiling thickness	40mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber and I-Joist
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DL510BSV	Brushed steel	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745
DL510CRV	Polished chrome	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745
DL510MWV	Matt white	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745

To order an emergency version add "EM" to the end of the product code

Please note, beam angle is changed to 50° when using the chrome reflector. Black reflector reduces lumen output by approximately 10%.

WIRING INFORMATION

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm ²) or 3-core cable (R02V 3x1.5mm ²)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A


ACCESSORIES


H5 Reflectors	Reflector for H5 500 / H5 1000 downlights	Sold Separately	96
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

Residential downlights.

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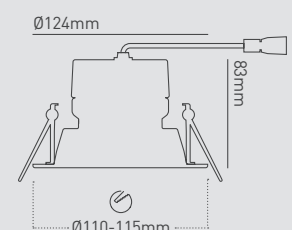
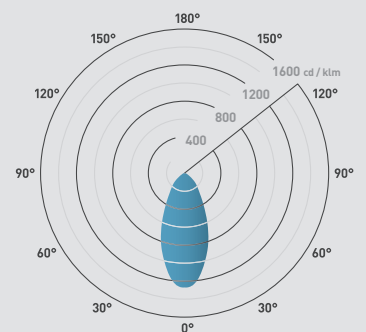
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- Colour switchable, via a switch rear of the downlight
- Fire-rated in both I-joist and solid timber ceilings
- 20° adjustable downlight to adjust direction of light
- Available in mains dimming, DALI or 1-10V
- Compatible with magnetic reflectors, sold separately
- Low glare with a UGR of 21
- Up to 101lm/W for low lifetime running costs
- Plug & play connector for simple installation
- Emergency version available
- Supplied with a silver reflector for optimum performance and low glare

Beam angle: 70°



H5 1000 DALI

DALI, fire-rated, adjustable, colour switchable downlight

FEATURES

IP rating	IP65
Colour flexibility	Colour switchable
Tilttable	20°
UGR	21
Dimmable	Yes
Input	220-240V
LED lifetime	70,000hrs (L70, B10)
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play
Insulation coverable	No
Cut out size	Ø110-115mm
Bathroom zone	1
Inrush current	40A 0.35ms
Construction material	Mild steel / PC
Maximum ceiling thickness	40mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber and I-Joist
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DL510BSD	Brushed steel	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745
DL510CRD	Polished chrome	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745
DL510MWD	Matt white	10W	4000K	70°	1010	101	792
			3000K	70°	960	96	753
			2700K	70°	950	95	745

To order an emergency version add "EM" to the end of the product code
Please note, beam angle is changed to 50° when using the chrome reflector. Black reflector reduces lumen output by approximately 10%.

WIRING INFORMATION

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.8	SELV	Yes (mains)	1 (ceiling only)	N/A	N/A

ACCESSORIES

H5 Reflectors	Reflector for H5 500 / H5 1000 downlights	Sold Separately	96
DM298GRID & DM298FP	Grid Dimmer & Flatplate Dimmer	Sold separately	98

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GUARANTEE / WARRANTY

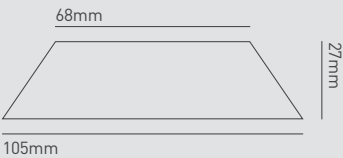
7 year extended warranty

FEATURES & BENEFITS

Different finish options allow a unique look to be achieved

Easy to install, simply by placing onto the luminaire, which will secure it with the magnets

Reflectors are interchangeable, before, during or after installation



H5 Accessory

Reflector for H5 downlights

INSTALLATION INFORMATION

Construction material	PC
Weight	19g

PRODUCT CODE

Product code	Finish	Description
H5REFB	Black	Reflector for H5 500 / H5 1000 downlights
H5REFC	Chrome	Reflector for H5 500 / H5 1000 downlights
H5REFG	Polished gold	Reflector for H5 500 / H5 1000 downlights
H5REFW	White	Reflector for H5 500 / H5 1000 downlights

USE WITH

H5 500 downlight range	91 - 92
H5 1000 downlight range	93 - 95



DLCONVERT

Hole converter plates for the downlight range

INSTALLATION INFORMATION

Cut out size	Ø 63 - 155mm
Construction material	Mild steel
Maximum ceiling thickness	35mm
Weight	30 - 247g

Note: Downlight fire and IP ratings will not apply if used in conjunction with DLCONVERT range.

PRODUCT CODE

Product code	Finish	Description	Cut out (mm)
DLCONVERT70BS	Brushed steel	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 63 - 150
DLCONVERT70CR	Chrome	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 63 - 150
DLCONVERT70WH	Gloss white	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 63 - 150
DLCONVERT70MW	Matt white	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 70 - 150
DLCVT110BLK	Black	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 72 - 95
DLCVT110BS	Brushed Steel	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 72 - 95
DLCVT110CR	Chrome	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 72 - 95
DLCVT110WH	Gloss white	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 72 - 95
DLCVT110MW	Matt white	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges	Ø 72 - 95
DLCVT170BS	Brushed Steel	Hole converter for the H5 500 and H5 1000 ranges	Ø 112 - 155
DLCVT170CR	Chrome	Hole converter for the H5 500 and H5 1000 ranges	Ø 112 - 155
DLCVT170MW	Matt white	Hole converter for the H5 500 and H5 1000 ranges	Ø 112 - 155

USE WITH

H2 downlight range	65 - 81
H4 downlight range	83 - 88
H5 500 downlight range	91 - 92
H5 1000 downlight range	93 - 95

Residential downlights.

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GUARANTEE / WARRANTY

1 year guarantee

FEATURES & BENEFITS

DLCONVERT70 supplied with additional springs for holes up to 150mm

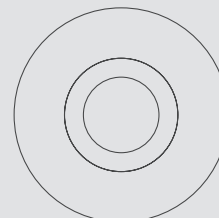
Can be used to conceal ceiling cut out that is larger than the diameter of a downlight

DLCVT110 has a smaller diameter of 110mm for a discreet and subtle finish

DLCVT170 compatible with the H5 range of downlights for holes up to 155mm

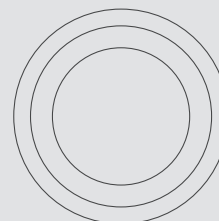
DLCONVERT70

Ø170mm



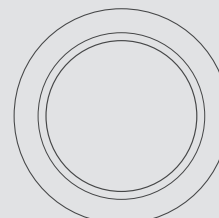
DLCVT110

Ø110mm



DLCVT170

Ø170mm





DM298GRID

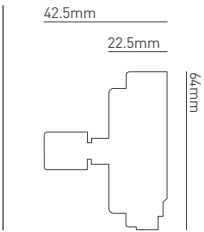
LED mains grid dimmer

FEATURES

Product code	DM298GRID
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	White adaptors for Hamilton, MK, BG, Crabtree, Schneider, DETA, Hager & Wandsworth grid ranges
Mains supply voltage	240V AC
Mains supply voltage range	230V AC - 240V AC
Mains supply frequency	50Hz
Load type	LED dimmable driver only
Minimum load capacity	5W
Maximum load capacity	250W / 15 LED units max.
Phase firing	Trailing edge dimming
Connection terminals	3mm ² max.
Back box depth	35mm min.
Surface temperature	40°C

USE WITH

Compatible with all Collingwood dimmable products



DM298FP

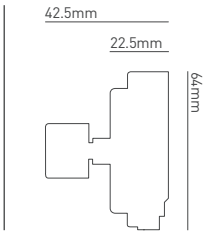
Faceplate dimmer

FEATURES

Product Code	DM298FP
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	-
Mains supply voltage	240V AC
Mains supply voltage range	230V AC - 240V AC
Mains supply frequency	50Hz
Load type	LED dimmable driver only
Minimum load capacity	5W
Maximum load capacity	100W / 10 LED units max.
Phase firing	Trailing edge dimming
Connection terminals	3mm ² max.
Back box depth	35mm min.
Surface temperature	40°C

USE WITH

Compatible with all Collingwood dimmable products





Easy-fit connector

First fix, push-in connector

INSTALLATION INFORMATION

Construction material	Semi-transparent plastic - PC
Weight	230g

PRODUCT CODE

Product code	Description
EFC3P	First fix, push-in connector (20 units per box)

WIRING INFORMATION

Cable required for connector	Twin & Earth or 3 core cable (R02V 3x 1.5mm ²)
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USE WITH


Residential Downlights	Can be used in conjunction with Collingwood residential downlights*
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*Excluding H2 Lite 500 CSP and 400 CSP

Residential downlights.

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GUARANTEE / WARRANTY

1 year extended warranty

FEATURES & BENEFITS

Large piano key push-in wire connectors, ideal for a quick and easy installation

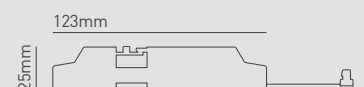
Suitable for new installations and retrofit

Loop-in loop-out terminals reducing installation time

Minimises the risk of damage to fittings during installation or decorating

Plug & play

Semi-transparent plastic allows the installer to see connections without opening the connector case



GU10 fire-rated downlight housing.

Choose the ideal product for your installation

Fire-rated downlights provide extra flexibility and choice for those who want to be able to change the lamp themselves. Fully fire-rated and acoustic compliant, it is an ideal solution for hotels, restaurants rental accommodations and new builds.

GU10.

A GU10 lamp is a LED lamp that is easily replaceable by the end user. Only Smart GU10 lamps are available from Collingwood lighting.



Fire-rated downlight housing.

Use our GU10 fire-rated downlight housings to put a GU10 LED lamp into. Available in three different finishes, fixed or adjustable versions and IP20 or IP65 ratings to cover all installation needs.





Use the table below to choose the ideal GU10 fire-rated downlight housing for your installation.


	IP rating	Matt white	Brushed steel	Chrome
Fixed fitting	<div>IP20</div> <div>Ideal for indoor living spaces</div>	<div></div> <div>CWFR001</div>	<div></div> <div>CWFR002</div>	<div></div> <div>CWFR003</div>
	<div>IP65</div> <div>Ideal for bathrooms and kitchens</div>	<div></div> <div>CWFR004</div>	<div></div> <div>CWFR005</div>	<div></div> <div>CWFR006</div>
Adjustable fitting	<div>IP20</div> <div>Ideal for indoor living spaces</div>	<div></div> <div>CWFR007</div>	<div></div> <div>CWFR008</div>	<div></div> <div>CWFR009</div>

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Loop-in loop-out connector for ease of installation

30, 60, 90 min fire rating providing additional safety

Acoustic and moisture tested

6-Watt LED or 50-Watt halogen lamp compatible for additional versatility

IP20

Fixed

Lamp not included

Can be covered with blown or unrolled insulation if installed with GU10 Collingwood lamps



GU10 Downlight

Fire-rated fixed IP20 downlight

FEATURES

IP rating	IP20
Tilttable	No
Input	Mains AC

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	All insulation
Cut out size	Ø 65-70mm
Construction material	Mild steel
Maximum ceiling thickness	40mm
Weight	0.213g
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber
Electric class [1, 2, 3]	1

PRODUCT CODE

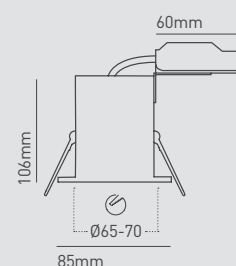
Product code	Finish	Description
CWFRC001	Matt white	GU10 Fire rated downlight, Fixed, IP20, White
CWFRC002	Brushed steel	GU10 Fire rated downlight, Fixed, IP20, Brushed steel
CWFRC003	Polished chrome	GU10 Fire rated downlight, Fixed, IP20, Polished chrome

WIRING INFORMATION

Cable / flying lead	N/A
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²)
Type of wiring required	Parallel

USE WITH

CWSGU10C	Colour tuneable GU10 Smart Lamp	56
CWSGU10D	Dimmable GU10 Smart Lamp	56
CWSGU10R	RGBW GU10 Smart Lamp	56



Residential downlights.

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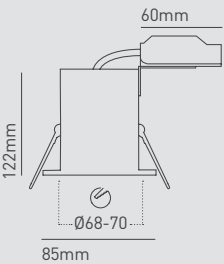
- @collingwoodLED
- /collingwoodlighting
- collingwoodled

GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

- Loop-in loop-out connector for ease of installation
- 30, 60, 90 min fire rating providing additional safety
- Acoustic and moisture tested
- 6-Watt LED or 50-Watt halogen lamp compatible for additional versatility
- IP65
- Fixed
- Lamp not included
- Can be covered with blown or unrolled insulation if installed with GU10 Collingwood lamps



GU10 Downlight

Fire-rated fixed IP65 downlight

FEATURES

IP rating	IP65
Tilttable	No
Input	Mains AC

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	All insulation
Cut out size	Ø 68-70mm
Construction material	Mild steel
Maximum ceiling thickness	40mm
Weight	0.259g
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber
Electric class {1, 2, 3}	1

PRODUCT CODE

Product code	Finish	Description
CWFRC004	Matt white	GU10 Fire rated downlight, Fixed, IP65, White
CWFRC005	Brushed steel	GU10 Fire rated downlight, Fixed, IP65, Brushed steel
CWFRC006	Polished chrome	GU10 Fire rated downlight, Fixed, IP65, Polished chrome

WIRING INFORMATION


Cable / flying lead	N/A
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm ²)
Type of wiring required	Parallel


USE WITH


CWSGU10C	Colour tuneable GU10 Smart Lamp	56
CWSGU10D	Dimmable GU10 Smart Lamp	56
CWSGU10R	RGBW GU10 Smart Lamp	56

Residential downlights.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Loop-in loop-out connector for ease of installation

30, 60, 90 min fire rating providing additional safety

Acoustic and moisture tested

6-Watt LED or 50-Watt halogen lamp compatible for additional versatility

IP20

Adjustable

Lamp not included

Can be covered with blown or unrolled insulation if installed with GU10 Collingwood lamps



GU10 Downlight

Fire-rated adjustable IP20 downlight

FEATURES

IP rating	IP20
Tilttable	20°
Input	Mains AC

INSTALLATION INFORMATION

Install connector type	Push-fit terminal connector
Insulation coverable	All insulation
Cut out size	Ø 79mm
Construction material	Mild steel
Maximum ceiling thickness	40mm
Weight	0.258g
Building regulations	Part B, C, E, P
Ceiling joist approvals	Solid timber
Electric class [1, 2, 3]	1

PRODUCT CODE

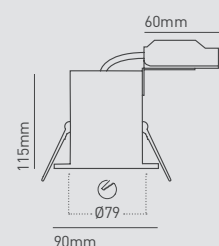
Product code	Finish	Description
CWFRC007	Matt white	GU10 Fire rated downlight, Adjustable, IP20, White
CWFRC008	Brushed steel	GU10 Fire rated downlight, Adjustable, IP20, Brushed steel
CWFRC009	Polished chrome	GU10 Fire rated downlight, Adjustable, IP20, Polished chrome

WIRING INFORMATION

Cable / flying lead	N/A
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²)
Type of wiring required	Parallel

USE WITH

CWSGU10C	Colour tuneable GU10 Smart Lamp	56
CWSGU10D	Dimmable GU10 Smart Lamp	56
CWSGU10R	RGBW GU10 Smart Lamp	56



Architectural downlights.

Elegant and flexible

Reveal the beauty of interior spaces with the 1901 family of stylish lighting products. Designed and made in Great Britain the 1901 range brings together over a century of innovative engineering, research and development.

1901 Family

The 1901 range has nine configurable elements which combine to form your bespoke light fitting. Our partcode matrix makes selection simple. The available choices start with the bezel colour, and move through all elements of the product, including the beam angle, IP rating, colour temperature dimming method and more.



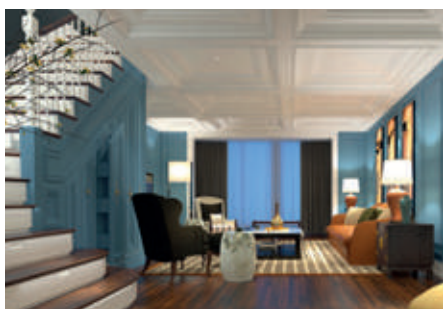
The 1901 family consists of three key variants; a classic low-glare downlight which is ideal for general lighting, and comfortably illuminates everyday tasks. A neat and compact rotatable spot which focuses light elegantly and dramatically. Thirdly, a pendant with a slender, elongated tube, suspended from 1.5m of adjustable fabric cable. Ideal for illuminating kitchen islands, dining tables or atriums.

Our 1901 family is based on the notion of comfortable, high-quality light, and achieves this via a combination of CRI 90+ LEDs, a single lens and a baffle as standard. Spaces are illuminated exquisitely and comfortably, with colours, textures and details revealed in their best light.

1901 Application

Downlight

Ideal for general illumination of any space.



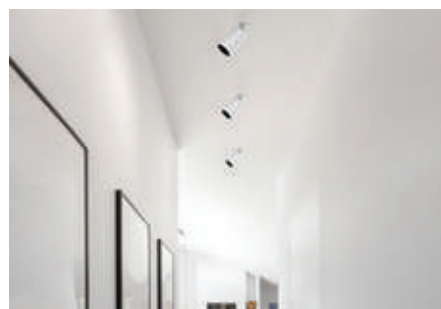
Pendant

Ideal for highlighting kitchen islands or dining tables.



Rotatable Spotlight

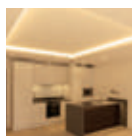
Ideal for illumination of focal points, such as artwork or architectural details.



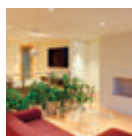
LED colour options

Choosing the correct colour temperature for your scheme can really help to create the right environment. Available in 2700K, 3000K, 4000K and Dim to warm, we are committed to ensuring that we have colour consistency across our range, whether that is downlights, ground lights or LED strip lighting.

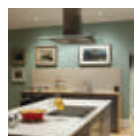
2700K



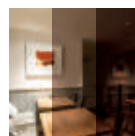
3000K



4000K



Dim to warm



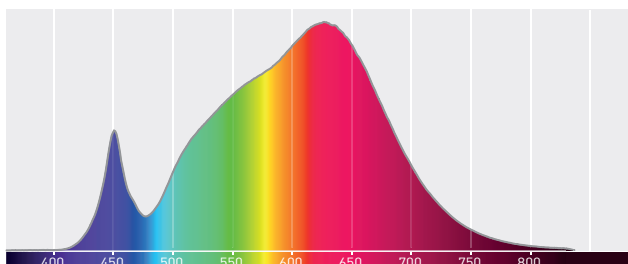
Product Details

All elements of the 1901 product architecture have been carefully considered, selected and manufactured. From the sleek cylindrical style with hidden fixings, to the flat metal bezels with a matt paint finish, to the fabric pendant cables with simple joints. The 1901 family is elegant in its simplicity.



High Quality Light

All 1901 products use the same high quality LED technology with an excellent distribution of colour across the visible light spectrum. This means that the CRI is 90+ as standard, so all colours and textures of an interior space are illuminated in the truest, most beautiful light.



Fire rated hood accessory

Use a fire-rated hood with any recessed or semi-recessed 1901 product, which complies with building regulations Part B.



Choosing the ideal 1901 fitting.

For your installation

Use the matrix below to work out which partcode you need.

1	2	3	4	5
B D	B	0	0	A
B P	C	1	1	F
B S	D		2	
	L		3	
			4	
			5	
			6	

1 Product type

B D	Baffled downlight
B P	Baffled pendant*
B S	Baffled rotatable spot**

7 Beam angle

N	Narrow
M	Medium
W	Wide

2 Housing / trim colour

B	Matt black housing (by default black cable for pendant)
C	Matt white housing & black cable (applicable to pendant only)
D	Matt black housing & white cable (applicable to pendant only)
L	Matt white housing (by default white cable for pendant)

8 Dimming

D	DALI-2****
M	Mains
V	1-10V****

3 Baffle colour

0	Matt white baffle
1	Matt black baffle

9 IP rating

I	IP65
-	Standard version (IP20 or IP44)

6	7	8	9
2 7	N	D	I
2 8	M	M	Leave blank
3 0	W	V	
4 0			

4 Style	5 Fixed / Adjustable	6 Colour temperature
Applicable to downlights	A Adjustable F Fixed <small>By default pendants are fixed and rotatable spots are adjustable.</small>	2 7 2700K 2 8 Dim to warm*** 3 0 3000K 4 0 4000K
Applicable to pendants & rotatable spots		
5 Semi-recessed mount <small>(applicable to rotatable spot only)</small> 6 Surface mount		

*Available in fixed only
 **Available in adjustable only
 ***Available as mains dimmable only, and available in medium and wide beam angles only.
 ****Not available in surface mount options for pendants and rotatable spots.

1 Product type.

The 1901 family is elegant in its simplicity; a downlight with a slim and discreet flat metal bezel, an elongated and slender pendant tube, and a neat and compact rotatable spot

BD - Baffled downlight

A classic downlight which can be fixed or adjustable. A great choice for general illumination of any space.



BP - Baffled pendant

The suspension height of the surface mounted pendant can be adjusted by altering the length of the fabric-covered cable on site. It is also mains dimmable as standard, making it perfect for highlighting kitchen islands or dining tables.



BS - Baffled rotatable spot

A great choice for flexible illumination of focal points, such as artwork or architectural details, creating contrast and drama. Also comes with a choice of a recessed or surface mounted base plate and a range of dimmable driver options



2 Housing / trim colour.

All products in the 1901 family are available in matt black or matt white finish

B - Matt black

A great choice to make the product appear invisible on a dark surface, or create contrasting drama against a light surface.

L - Matt white

Our most popular finish is simply discreet and stylish.

C - Matt white with black cable

D - Matt black with white cable



3 Baffle colour.

Intelligently engineered with a stylish and sleek design our choice of baffles will create beautifully lit interior spaces.

0 - Matt white baffle

All our downlights, pendants and rotatable spots are available with a matt white baffle for a discreet look.

1 - Matt black baffle

All our downlights, pendants and rotatable spots are available with a matt black baffle for low glare.



4 Style.

Downlight options

Showcasing an aesthetically simple, low-glare luminaire design with superior performance. Choose from round, slim round, square, single trimless or double trimless downlight styles to perfectly illuminate residential and hospitality spaces.



0 - Slim round bezel

Available in fixed only
Cut out size Ø65-68mm

1 - Round bezel

Fixed cut out size Ø65-78mm
Adjustable cut out size Ø76-78mm

2 - Square bezel

Fixed cut out size Ø65-78mm
Adjustable cut out size Ø76-78mm

Mounting options for pendants and rotatable spots

5 - Semi recessed (applicable to rotatable spot only)

The remote driver and base plate with rolled springs makes this option ideal for mounting on ceilings and walls with a void space.



Single and double trimless versions are plastered in place for the ultimate discreet and stylish finish.



3 - Single trimless

Cut out size Ø68-86mm

4 - Double trimless

Cut out size 2 x Ø68-86mm

6 - Surface mounted

The mains dimmable driver is integrated into the base, which is ideal when there is limited void space.



5 Fixed / adjustable.

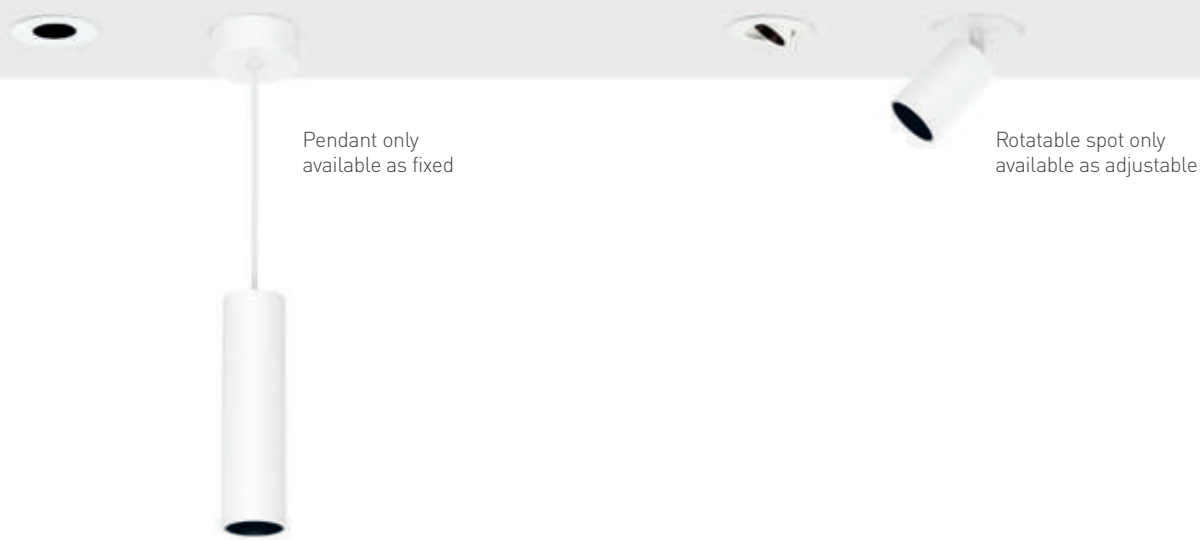
The functional fittings are available in fixed or adjustable options.

F - Fixed

Fixed downward position achieves a broad spread of ambient light throughout a space.

A - Adjustable

Light can be directed to where it is required, such as highlighting features and artwork on walls.



6 Colour temperature.

Creating the ambience and mood of a room is hugely dependant on the chosen lighting. Our selection of colour temperatures result in a comfortable yet high impact lit effect which luxuriously enhances interiors and architectural features.

2700K

Create an inviting, warm ambience, ideal for living rooms and bedrooms where you want to promote relaxation.

3000K

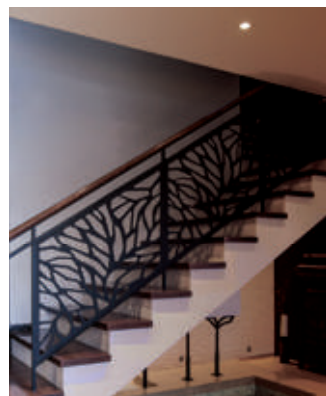
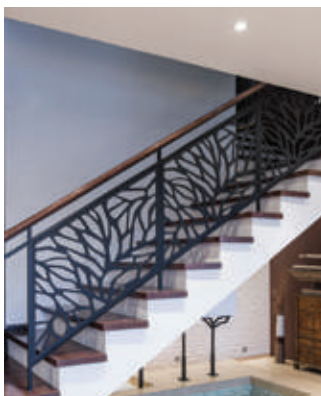
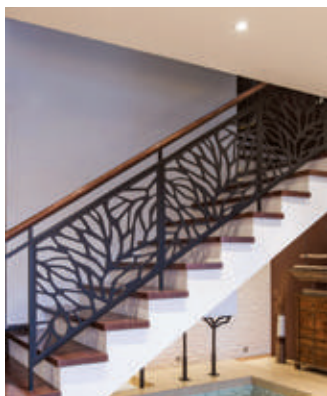
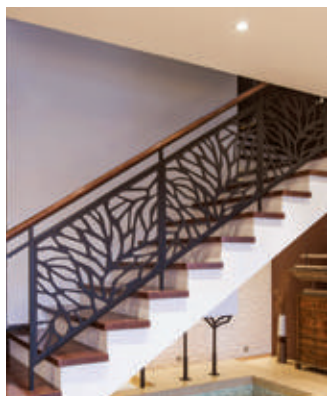
This is a moderately warm white light which is ideal for general use in residential projects.

4000K

This is a brighter white light so is an excellent choice for home offices and gyms.

Dim to warm

Mimic traditional light sources by creating a progressively warmer light as you dim the fitting. 3000K at 100% brightness is perfect for everyday use, or dim all the way through to 1800K at 10% brightness for a really cosy and intimate environment.

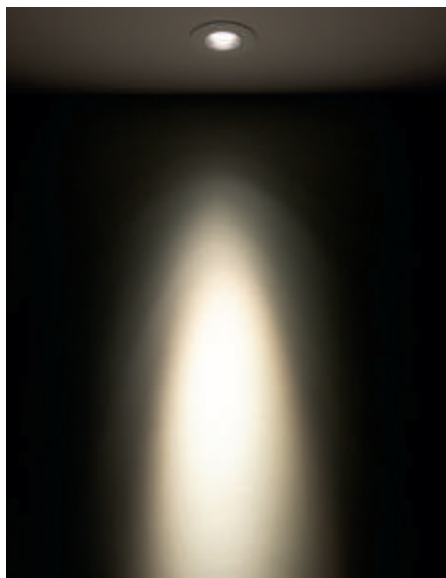


7 Beam angle.

Wide, medium and narrow beam options can be selected, which can achieve the desired effect for the size of space.

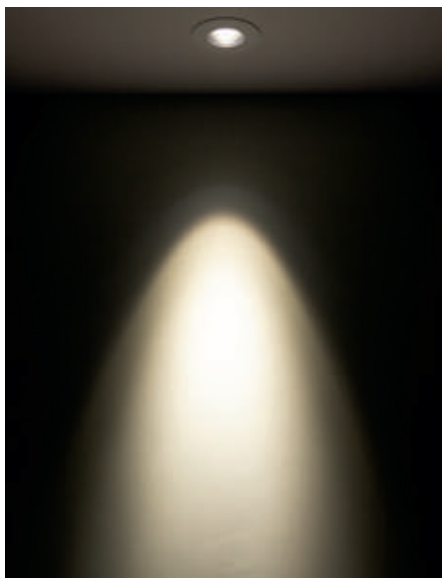
N - Narrow 12°

The narrow beam option has a greater intensity, making it ideal for highlighting features. (Not available in Dim to warm)



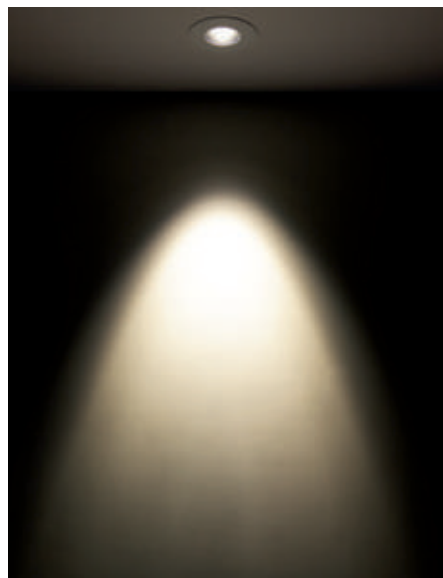
M - Medium 24°

Medium beam option has more a wider spread of light, and is a good choice for corridors.



W - Wide 45° or 50°

Wide beam angle is a good choice for creating an even spread of light across a wide open area.



8 Dimming options.

Choose from a choice of drivers to suit any control preferences.



M - Mains driver

A mains driver is suited for dimming via a mains circuit and dimmer switch. Comes with the Collingwood Easy-fit connector to speed-up the installation process.



D - DALI-2 driver

Commission a DALI-2 system to control individual 1901 fittings, or groups of fittings, with the smooth and simple operation as expected from this digital protocol.



V - 1-10V driver

The choice for dimming via an analogue 1-10V control system. Up to 10 drivers can be linked to one dimmer.

9 IP rating.

Three IP ratings are available depending on preference.

IP20

The lowest IP rating of the range is perfect for almost all indoor spaces, such as living rooms, dining rooms and hallways.



IP44

A great choice where there may be a potential exposure to water spray, such as kitchens.



IP65

Where there is a high probability of water spray and airborne moisture, choose IP65. Great for bathrooms.

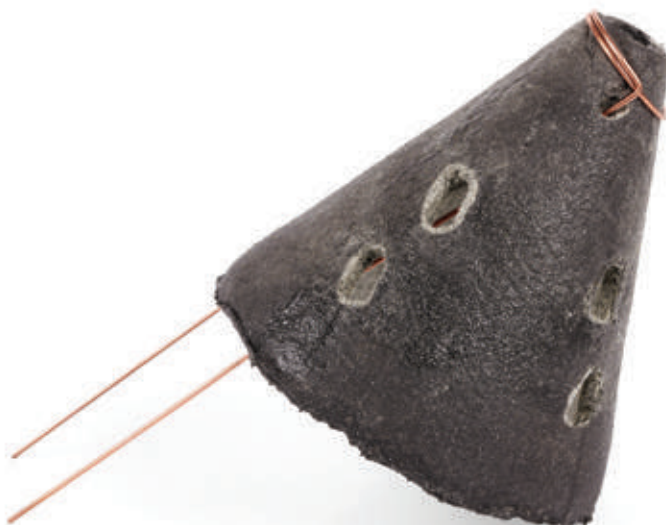


Make your 1901 product fire-rated.

If you require a fire-rating from your 1901 downlight or rotatable spot, you will need a fire hood.

Simply push the fire-rated hood into the void through the cut-out hole, and insert the fitting into place beneath it. A quick and easy way to fire-rate your 1901 product.

Product code: BDLFH2






Technical information.

Use the table below to work out the photometric data for your 1901 product.

1901	Colour temperature	Beam angle	Wattage	CRI	Lumens	Efficacy (lm/W)	lux at 1m
Single fitting (black baffle)	4000K	12°	9.6W	≥90Ra	750	78	9018
	4000K	24°	9.6W	≥90Ra	740	77	3595
	4000K	50°	9.6W	≥90Ra	725	76	1318
	3000K	12°	9.6W	≥90Ra	650	68	7816
	3000K	24°	9.6W	≥90Ra	640	67	3191
	3000K	50°	9.6W	≥90Ra	625	65	1136
	2700K	12°	9.6W	≥90Ra	600	63	7214
	2700K	24°	9.6W	≥90Ra	590	61	2866
	2700K	50°	9.6W	≥90Ra	575	60	985
	Dim to warm	24°	9.6W	≥90Ra	600	60	3320
	Dim to warm	45°	9.6W	≥90Ra	600	60	1260
Double fitting (black baffle)	4000K	12°	19.2W	≥90Ra	2 x 750	78	2 x 9018
	4000K	24°	19.2W	≥90Ra	2 x 740	77	2 x 3595
	4000K	50°	19.2W	≥90Ra	2 x 725	76	2 x 1318
	3000K	12°	19.2W	≥90Ra	2 x 650	68	2 x 7816
	3000K	24°	19.2W	≥90Ra	2 x 640	67	2 x 3191
	3000K	50°	19.2W	≥90Ra	2 x 625	65	2 x 1136
	2700K	12°	19.2W	≥90Ra	2 x 600	63	2 x 7214
	2700K	24°	19.2W	≥90Ra	2 x 590	61	2 x 2866
	2700K	50°	19.2W	≥90Ra	2 x 575	60	2 x 985
	Dim to warm	24°	19.2W	≥90Ra	2 x 600	60	2 x 3320
	Dim to warm	45°	19.2W	≥90Ra	2 x 600	60	2 x 1260
Single fitting (white baffle)	4000K	12°	9.6W	≥90Ra	750	78	9018
	4000K	24°	9.6W	≥90Ra	740	77	3595
	4000K	50°	9.6W	≥90Ra	725	76	1318
	3000K	12°	9.6W	≥90Ra	650	68	7816
	3000K	24°	9.6W	≥90Ra	640	67	3191
	3000K	50°	9.6W	≥90Ra	625	65	1136
	2700K	12°	9.6W	≥90Ra	600	63	7214
	2700K	24°	9.6W	≥90Ra	590	61	2866
	2700K	50°	9.6W	≥90Ra	575	60	985
	Dim to warm	24°	9.6W	≥90Ra	600	60	3320
	Dim to warm	45°	9.6W	≥90Ra	600	60	1260
Double fitting (white baffle)	4000K	12°	19.2W	≥90Ra	2 x 750	78	2 x 9018
	4000K	24°	19.2W	≥90Ra	2 x 740	77	2 x 3595
	4000K	50°	19.2W	≥90Ra	2 x 725	76	2 x 1318
	3000K	12°	19.2W	≥90Ra	2 x 650	68	2 x 7816
	3000K	24°	19.2W	≥90Ra	2 x 640	67	2 x 3191
	3000K	50°	19.2W	≥90Ra	2 x 625	65	2 x 1136
	2700K	12°	19.2W	≥90Ra	2 x 600	63	2 x 7214
	2700K	24°	19.2W	≥90Ra	2 x 590	61	2 x 2866
	2700K	50°	19.2W	≥90Ra	2 x 575	60	2 x 985
	Dim to warm	24°	19.2W	≥90Ra	2 x 600	60	2 x 3320
	Dim to warm	45°	19.2W	≥90Ra	2 x 600	60	2 x 1260

Architectural downlights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Low-glare baffle & CRI 90+ for a comfortable and high-quality appearance, showing colours and textures in their best light

Fixed downlight for general illumination, and can be IP44 or IP65 which is perfect for kitchens and bathrooms

Mains, 1-10V or DALI dimming options for flexibility and integration with control systems

Comes with rolled spring clips and plug & play connectors to support ease of installation

7 year warranty: Collingwood's signature quality you can trust

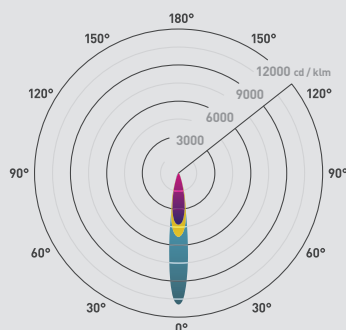
Narrow beam angle for highlighting features with a high intensity of light

Medium beam angle, excellent for corridor lighting

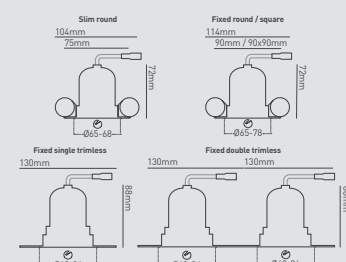
Wide beam angle for spreading light over a larger area

Slim and discreet flat metal bezel, or choose a single or double trimless version for ultimate subtlety

Beam angle: 12° 24° 50°



12° beam angle not available for Dim to warm



1901 Fixed downlight

Fixed, low glare, baffled downlight

FEATURES

Wattage	9.6W / 19.2W
IP rating	IP44 / IP65
Colour flexibility	Fixed colour / Dim to warm
Tilttable	N/A
Rotation angle	N/A
UGR	0
Dimmable	Mains / DALI 2 / 1-10V
Input	Mains AC
LED lifetime	70,000h L70 B10
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop-in loop-out
Insulation coverable	No
Cut out size	Slim Round: 65-68mm Fixed: 68-78mm Single Trim: 68-76mm Double Trim: 68-86mm
Bathroom zone	1
Inrush current	DALI 2: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40mm
Weight	240g - 260g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L Part B only if Firehood accessory used
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

See Page 115

WIRING INFORMATION


Cable required for connector	2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel


ACCESSORIES


LEDEP08	For Trimless option - 3hr non-maintained emergency pack (plug & play)	Sold separately	357
LEDEP10	For bezel option - 3hr non-maintained emergency pack (plug & play)	Sold separately	358
BDLFH2	Fire hood	Sold separately	120
DM298GRID	Grid Dimmer	Sold separately	98
DM298FP	Flatplate Dimmer	Sold separately	98

Architectural downlights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Low-glare baffle & CRI 90+ for a comfortable and high-quality appearance, showing colours and textures in their best light

Adjustable function, allows you to direct light exactly where it is required

Mains, 1-10V or DALI 2 dimming options for flexibility and integration with control systems

Comes with rolled spring clips and plug & play connectors to support ease of installation

7 year warranty: Collingwood's signature quality you can trust

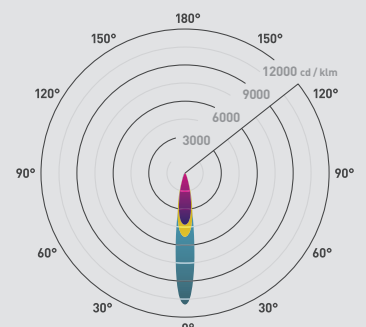
Narrow beam angle for highlighting features with a high intensity of light

Medium beam angle, excellent for corridor lighting

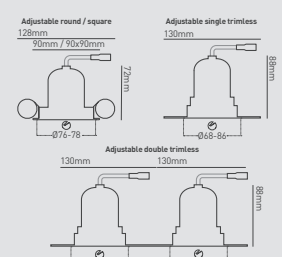
Wide beam angle for spreading light over a larger area

Slim and discreet flat metal bezel, or choose a single or double trimless version for ultimate subtlety

Beam angle: 12° 24° 50°



12° beam angle not available for Dim to warm



1901 Adjustable downlight

Adjustable, low glare, baffled downlight

FEATURES

Wattage	9.6W / 19.2W
IP rating	IP20
Colour flexibility	Fixed colour / Dim to warm
Tilttable	20°
Rotation angle	360°
UGR	0
Dimmable	Mains / DALI 2 / 1-10V
Input	Mains AC
LED lifetime	70,000h L70 B10
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop-in loop-out
Insulation coverable	No
Cut out size	Adjustable: 76-78mm Single Trim: 68-76mm Double Trim: 68-86mm
Bathroom zone	N/A
Inrush current	DALI 2: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40mm
Weight	240g - 260g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, P, L IPart B only if Firehood accessory used
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

See Page 115

WIRING INFORMATION




Cable required for connector	2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

ACCESSORIES

LEDEP08	For Trimless option - 3hr non-maintained emergency pack (plug & play)	Sold separately	357
LEDEP10	For bezel option - 3hr non-maintained emergency pack (plug & play)	Sold separately	358
BDLFH2	Fire hood	Sold separately	120
DM298GRID	Grid Dimmer	Sold separately	98
DM298FP	Flatplate Dimmer	Sold separately	98

Architectural downlights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Low-glare baffle & CRI 90+ for a comfortable and high-quality appearance, showing colours and textures in their best light

Comes with a 1.5 metre of adjustable fabric cable

7 year warranty: Collingwood's signature quality you can trust

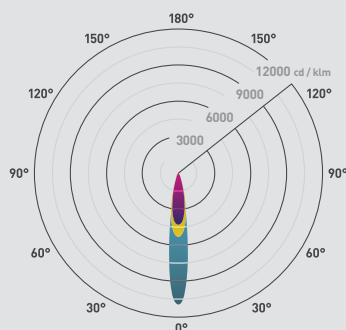
Perfect for suspending over kitchen peninsulas, islands or dining tables

Available with a choice of a matt black or matt white finish

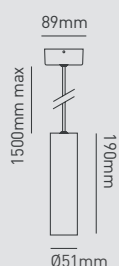
Surface mounted and mains dimmable as standard for easy installation and control

A sleek cylindrical style with hidden fixings

Beam angle: 12° 24° 50°



12° beam angle not available for Dim to warm



1901 Pendant

Sleek, low glare, baffled pendant

FEATURES

Wattage	9.6W
IP rating	IP44
Colour flexibility	Fixed colour / Dim to warm
Tilttable	N/A
Rotation angle	N/A
UGR	0
Dimmable	Mains
Input	Mains AC
LED lifetime	70,000h L70 B10
SDCM	3SDCM
Flicker free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Loop-in loop-out
Insulation coverable	No
Cut out size	N/A
Bathroom zone	2
Inrush current	2.6A/0.3ms
Construction material	Aluminium
Maximum ceiling thickness	40mm
Weight	TBC
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

See Page 115

WIRING INFORMATION

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm ²) or 3-core cable (R02V 3x1.5mm ²)
Type of wiring required	Parallel

ACCESSORIES

DM298GRID	Grid Dimmer	Sold separately	98
DM298FP	Flatplate Dimmer	Sold separately	98



1901 Rotatable spot light

Compact, low glare, baffled rotatable spot light

FEATURES

Wattage	9.6W
IP rating	IP44
Colour flexibility	Fixed colour / Dim to warm
Tilttable	90°
Rotation angle	360°
UGR	0
Dimmable	Semi recessed: Mains / DALI 2 / 1-10V Surface mounting: Mains dim only
Input	Mains AC
LED lifetime	70,000h L70 B10
SDCM	3SDCM
Flicker free	Yes
Emergency version available	Yes (Only with semi recessed mounting base)

INSTALLATION INFORMATION

Install connector type	Loop-in loop-out
Insulation coverable	No
Cut out size	Surface mounting: N/A Semi recessed: 64-68mm
Bathroom zone	2
Inrush current	DALI: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40mm
Weight	TBC
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P, L Part B only if Firehood accessory used with semi recessed mounting base
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

See Page 115

WIRING INFORMATION

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm ²) or 3-core cable (R02V 3x1.5mm ²)
Type of wiring required	Parallel

ACCESSORIES

LEDEP10	3hr non-maintained emergency pack (plug & play)	Sold separately	358
BDLFH2	Fire hood	Sold separately	120
DM298GRID	Grid Dimmer	Sold separately	98
DM298FP	Flatplate Dimmer	Sold separately	98

Architectural downlights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Low-glare baffle & CRI 90+ for a comfortable and high-quality appearance, showing colours and textures in their best light

Available as mains, DALI or 1-10V dimmable

7 year warranty: Collingwood's signature quality you can trust

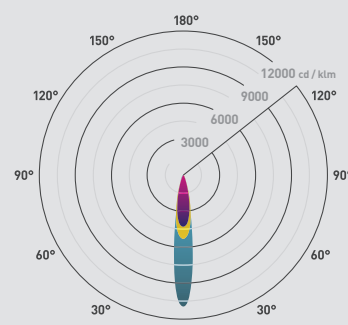
Comes with a choice of a recessed or surface mounted base plate

Available with a choice of a matt black or matt white finish

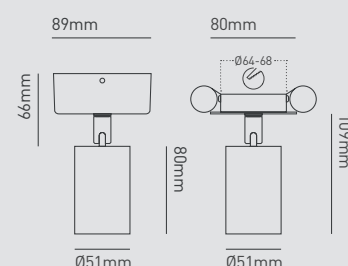
A neat and compact finish

Has an adjustable function, allowing you to direct light exactly where it is required

Beam angle: 12° 24° 50°



12° beam angle not available for Dim to warm



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

When the fire-rated hood is used with 1901 semi-recessed mountings and downlights, it is i-joist approved.

Easy to install fire rated hood

Suitable with the 1901 downlight and recessed rotatable spot

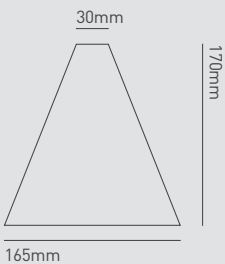
Simple to install and can be retrofitted into position

Vent holes to allow heat to disperse

'Intumescent' material expands and seals off the ceiling cut out and the ventilation holes

Acoustic insulation

Can be fitted from above or from below the ceiling



1901 Downlight Firehood

Fire and acoustic hood

INSTALLATION INFORMATION

Weight	72g
--------	-----

PRODUCT CODES

Product code	Description
BDLFH2	Fire hood for use with 1901 Downlight Range




USE WITH

1901 Downlights	Downlight	116 - 117
1901 Rotatable spotlight	Semi recessed mounting base only	119



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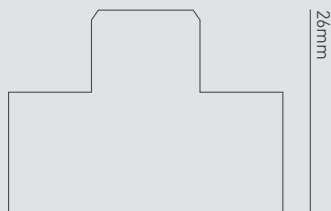
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Easy to install compared to halogen
Runs cool - no need for a fan

Ø35mm



FIBRE LED LIGHT

Fibre optic LED light injector

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	No
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Install connector type	Flying lead
Cut out size	N/A
Bathroom zone	1
Construction material	Aluminium
Weight	40g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	lm
FIBRE LED LIGHT NW	Matt silver anodised	1W	4000K	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS




Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	220-240V	Yes	No	2	1	9
PLR/350 1-5	220-240V	Yes	No	1	1	5
PLD UNI-DRIVE 350mA	110-240V	Yes	Yes (1-10V)	2	1	10

ACCESSORIES

FIBRE LED 1/30	Fibre optic strands	Sold separately	123
FIBRE LED 2/30	Fibre optic strands	Sold separately	123
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446
DM298GRID	LED mains grid dimmer	Sold separately	98

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GUARANTEE / WARRANTY

1 year extended warranty

FEATURES & BENEFITS

1m (1/30) 2m (2/30) length of fibre optic
30 strands x 1mm fibres
Plug & play with FIBRE LED LIGHT



FIBRE LED

Fibre optic strands

INSTALLATION INFORMATION

Cut out size	Ø 1mm
Construction material	Plastic
Weight	FIBRE LED 1/30: 6g FIBRE LED 2/30: 12g

PRODUCT CODES

Product code	Description
FIBRE LED 1/30	Fibre optic strands
FIBRE LED 2/30	Fibre optic strands

USE WITH




FIBRE LED LIGHT	Fibre optic LED light injector	Sold separately	122
DL329RGBW	Colour change fibre optic injector (5W max.)	Sold separately	410

7.5mm



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GUARANTEE / WARRANTY

1 year extended warranty

FEATURES & BENEFITS

Small and discreet adjustable LED spot lights

High quality machined aluminium

Easy plug & play installation



DL120

Mini adjustable LED spot light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	20°
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>70Ra (3000K >80Ra)
SDCM	3SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug and Play
Insulation coverable	No
Cut out size	Ø 44mm
Bathroom zone	N/A
Construction material	Aluminium
Maximum ceiling thickness	25mm
Weight	140g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
DL120 NW	Silver Anodised	1W	4000K	15°	82	82	703
DL120 WW	Silver Anodised	1W	3000K	15°	69	69	591

WIRING INFORMATION

Cable / flying lead	300mm (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

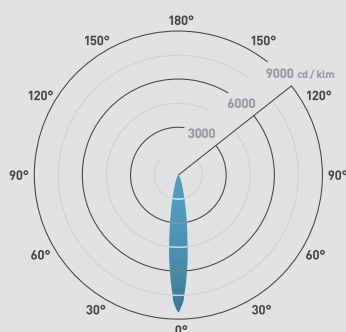
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & Play)	220-240V	Yes	No	-	1	9
PLR/350 1-5	220-240V	Yes	No	-	1	5
PLD UNI-DRIVE 350mA	110-240V	Yes	Yes (1-10V)	-	1	10

See page 430 for complete offer

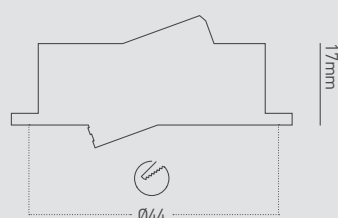
ACCESSORIES

LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6 way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
DM298GRID	LED mains grid dimmer	Sold separately	98

Beam angle: 15°





Ø51.5mm




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GUARANTEE / WARRANTY

1 year extended warranty

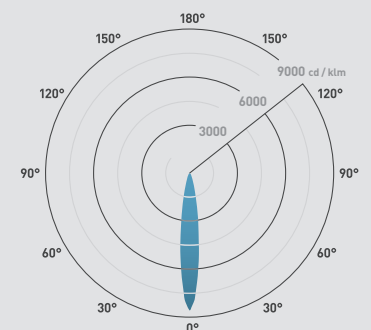
FEATURES & BENEFITS

Small and discreet adjustable LED spot lights

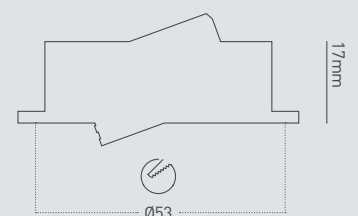
High quality machined aluminium

Easy plug & play installation

Beam angle: 15°



60x60mm



DL130

Mini adjustable LED spot light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	20°
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>70Ra (3000K >80Ra)
SDCM	3SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & play
Insulation coverable	No
Cut out size	Ø 53mm
Bathroom zone	N/A
Construction material	Aluminium
Maximum ceiling thickness	25mm
Weight	140g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DL130 NW	Silver anodised	1W	4000K	15°	82	82	703
DL130 WW	Silver anodised	1W	3000K	15°	69	69	591

WIRING INFORMATION

Cable / flying lead	300mm (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & Play)	220-240V	Yes	No	-	1	9
PLR/350 1-5	220-240V	Yes	No	-	1	5
PLD UNI-DRIVE 350mA	110-240V	Yes	Yes (1-10V)	-	1	10




See page 430 for complete offer

ACCESSORIES

LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6 way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
DM298GRID	LED mains grid dimmer	Sold separately	98

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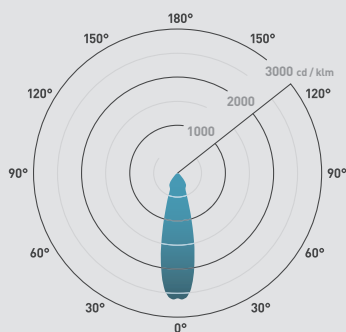
GUARANTEE / WARRANTY

7 year extended warranty

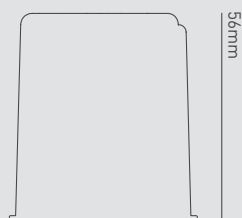
FEATURES & BENEFITS

Equivalent to 50W halogen
MR16 for retrofit into existing housings
Plug & play connector for quick installation

Beam angle: 25°



Ø50mm



DM01

MR16 high output single source LED replacement

FEATURES

IP rating	IP40
Colour flexibility	Fixed colour
Input	700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Flying lead
Insulation coverable	No
Cut out size	Housing Dependant
Bathroom zone	Housing Dependant
Construction material	Aluminium
Weight	100g
Maximum ambient temperature	40°C
SELV	Driver dependant
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DM012540	Black	9W	4000K	25°	680	76	1774
DM012527	Black	9W	2700K	25°	600	67	1565

WIRING INFORMATION

Cable / flying lead	Plug & play into driver
---------------------	-------------------------

LED DRIVERS




Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLDM70011	220-240V	Yes	Yes (mains)	2	1	1
PLD-UNIDRIVE 700	110-240V	Yes	Yes (1-10V)	1	1	2
PSDAL700M	220-240V	Yes	Yes (DALI)	2	1	5

ACCESSORIES

PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
DM298GRID	LED mains grid dimmer	Sold separately	98
DM298FP	Faceplate dimmer	Sold separately	98

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Equivalent to 50W halogen

MR16 for retrofit into existing housings

DM02

MR16 high output single source LED replacement

FEATURES

IP rating	IP40
Colour flexibility	Fixed colour
Input	180mA
LED lifetime	40,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Flying lead
Insulation coverable	No
Cut out size	Housing Dependant
Bathroom zone	Housing Dependant
Construction material	Aluminium
Weight	100g
Maximum ambient temperature	40°C
SELV	DRIVER DEPENDANT
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
DM022430	Black	6.3W	3000K	24°	810	129	2562

WIRING INFORMATION

Cable / flying lead	Plug & play into driver
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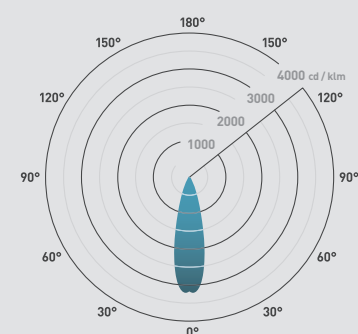
LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PSDIM180	220-240V	>0,9	Yes	Yes (mains)	2	1	1

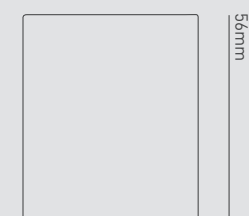
ACCESSORIES

PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
DM298GRID	LED mains grid dimmer	Sold separately	98
DM298FP	Faceplate dimmer	Sold separately	98

Beam angle: 24°



Ø50mm



Decorative wall lights & under shelf lighting.

Discreet and interesting

Our extensive range of decorative and under shelf lighting has a multitude of attractive options which are suitable for any installation.

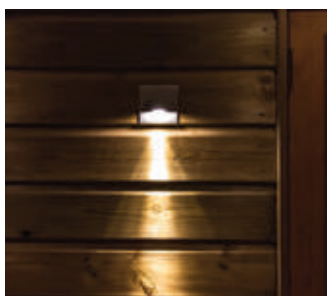
Choose your effect and how to create it

Highlight architectural features or illuminate specific objects with discreet lighting. The images below demonstrate how to create various effects.

Choose your effect



Low-level decorative lighting



Mid-level wall lighting



Low-level wall lighting



Backdrop / feature lighting



Invigorate ordinary spaces or dark corners with a mini decorative light. The ML family are a superb solution for this due to their small, recessed profiles. It is particularly effective when used for kick-boards or illuminating steps.



Use wall lights to illuminate your space without creating overhead shadow. Highlighting walls is a great way to create ambiance and atmosphere through the soft light, whilst also utilising reflection to make small spaces feel larger.



Delivering light directly onto the floor, this technique is great for creating low glare, ambient lighting in any room, whilst also aiding occupants to navigate their way around when overhead lighting is switched off.



Integrating discreet lighting into furniture, under cupboards or in small spaces provides the user with an elegant, contemporary and perfectly lit space. The LED LYTE is perfect for this type of installation.

LED LYTE family

This flush-mounted mini LED family adds a touch of detail that has the ability to transform a room. With a wide beam angle of 110°, they create a subtle yet atmospheric accent of light. With a threaded version perfect for fitting within a cabinet or in an alcove, it couldn't be easier to showcase objects or features. Also available in an IP65 version for added versatility. The plug and play connector makes this product versatile and easy to install.



Decorative mini spot lights

Great for highlighting pictures and focal items or for reading and adding style to the walls, obtain a functional and stylish finish using our mini wall lights. These products are made using marine grade stainless steel and are IP rated to 65, allowing for installation both indoors and outdoors. Choose from three colour temperatures and three wall mounting brackets to suit any lighting scheme.



MS02 IP

This spot lens creates an atmospheric environment, especially when lit onto tall ceilings and columns.



MF02 IP

Use this adjustable LED mini light with flood lens to wash light across walls or ceilings.

Mounting brackets

Adding flexibility and functionality to the mini wall lights couldn't be easier with three mounting bracket options available suit any scheme. Choose from a single, stainless steel bracket or two double mounting options, allowing for ultimate flexibility. All brackets come complete with wall fixings.

WB/M 01



WB/M 02/30°

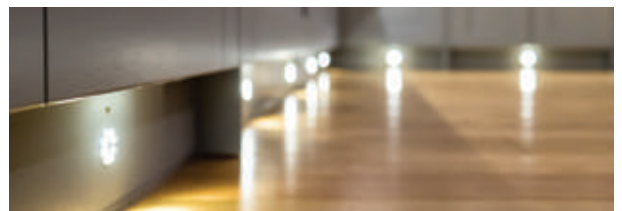


WB/M 02



Decorative mini wall lights

The selection of decorative marker light products are highly discreet, highly decorative and highly effective, available in a range of white and coloured light. Choose from flush or raised mounted, radial or halo lit effect for stylish and contemporary lighting in both interior and exterior spaces.



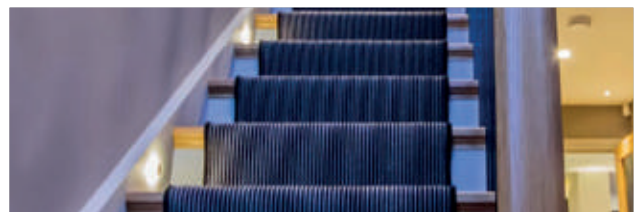
ML01

Designed to add style to floors, walls and ceilings, these lights can be walked over and are IP68 rated, allowing for installation in any environment. Due to the clever design of the product, no glare will be felt, even when looking directly at the light.



ML02

Contemporary and chic yet understatedly rugged, ML02 mini light adds style to floors, walls and ceilings. Made using marine grade stainless steel and IP rated to 68, this product is acceptable for use in or outdoors.






ML03

Emitting a 'halo' effect, this elegant design adds instant impact to any area. Finished in high quality anodised aluminium, this classic design will fit perfectly in superior establishments and residential environments.

Decorative wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

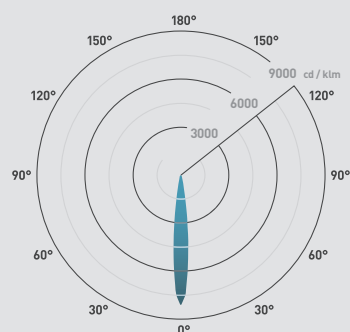
Mini cube spot light for discreet accent lighting of interior and exterior spaces

Bespoke wall plug for easy installation

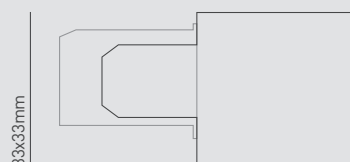
Quality brushed aluminium finish

Requires 20mm drill bit

Beam angle: 12°



33x33/29.5mm



MC010 S

Mini cube LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	360°
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 20mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	100g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MC010 S NW	1W	4000K	12°	70	70	1485
MC010 S WW	1W	3000K	12°	55	55	1466
MC010 S 27	1W	2700K	12°	53	53	1425
MC010 S AMBER	1W	Amber	12°	-	-	-
MC010 S BLUE	1W	Blue	12°	-	-	-
MC010 S GREEN	1W	Green	12°	-	-	-
MC010 S RED	1W	Red	12°	-	-	-

WIRING INFORMATION

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	1	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	10

See page 430 for complete offer

ACCESSORIES

CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446



MC020 S

Up / down mini cuboid LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 20mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	200g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MC020 S NW	2W	4000K	12°	140	70	1485
MC020 S WW	2W	3000K	12°	110	55	1466
MC020 S 27	2W	2700K	12°	107	54	1425
MC020 S AMBER	2W	Amber	12°	-	-	-
MC020 S BLUE	2W	Blue	12°	-	-	-
MC020 S GREEN	2W	Green	12°	-	-	-
MC020 S RED	2W	Red	12°	-	-	-

WIRING INFORMATION

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	4
PLR/350 1-5	-	Yes	No	1	1	2
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	5

See page 430 for complete offer

ACCESSORIES

CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446

Decorative wall lights.

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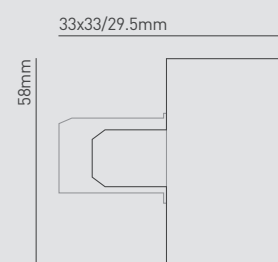
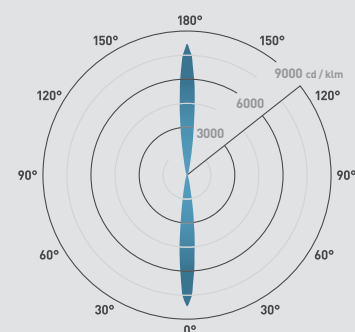
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS




- Bi-directional mini cube for discreet accent lighting of interior and exterior spaces
- Bespoke wall plug for easy installation
- Quality brushed aluminium finish
- Requires 20mm drill bit

Beam angle: 12°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

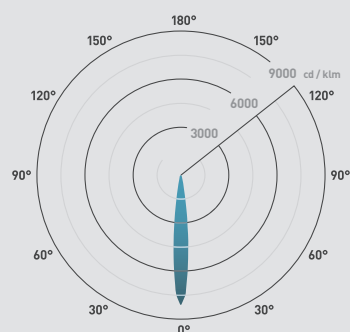
Straight to mains mini cube spot lights for discreet accent lighting of interior spaces

Quality brushed aluminium finish

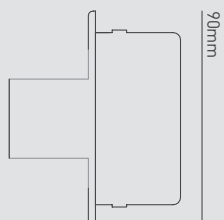
Complete with wall fixings and waterproof crimp connectors

Patress box included

Beam angle: 12°



36/35mm



MC015 S

Straight to mains mini LED cube wall light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	N/A
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	175g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MC015 S NW	1.5W	4000K	12°	70	47	1485
MC015 S WW	1.5W	3000K	12°	55	37	1466

WIRING INFORMATION

Cable / flying lead	N/A
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	-	No	-	-	-

ACCESSORIES

No accessories required



MC025 S

Straight to mains, up / down mini LED cube wall light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	N/A
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	380g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MC025 S NW	2.3W	4000K	12°	140	61	1485

WIRING INFORMATION

Cable / flying lead	N/A
Type of wiring required	Parallel

LED DRIVERS




Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	-	No	-	-	-

ACCESSORIES

No accessories required

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

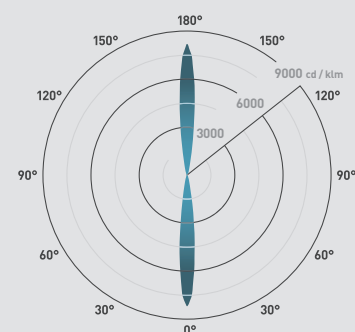
Straight to mains mini cube spot lights for discreet accent lighting of interior spaces

Quality brushed aluminium finish

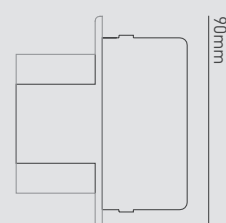
Complete with wall fixings and waterproof crimp connectors

Patress box included

Beam angle: 12°






36/35mm



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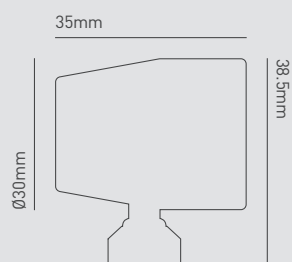
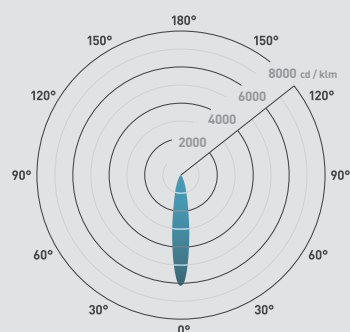
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Mini spot light for discreet illumination
Can be rotated and angled to direct light
Mounting plates available
Can be used for interior and exterior applications

Beam angle: 16°



MF02 IP

Adjustable LED mini light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	45°
Rotatable	360°
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	90g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MF02 IP NW	1W	4000K	16°	66	66	452
MF02 IP WW	1W	3000K	16°	53	53	252
MF02 IP 27	1W	2700K	16°	52	52	245
MF02 IP AMBER	1W	Amber	16°	-	-	-
MF02 IP BLUE	1W	Blue	16°	-	-	-
MF02 IP GREEN	1W	Green	16°	-	-	-
MF02 IP RED	1W	Red	16°	-	-	-

WIRING INFORMATION

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	1	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	10

See page 430 for complete offer

ACCESSORIES

WB/M 01 / WB/M 02	Single bracket / double bracket	Sold separately	136
CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446



MS02 IP

Adjustable LED mini light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	45°
Rotatable	360°
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	90g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MS02 IP NW	1W	4000K	12°	73	73	2160
MS02 IP WW	1W	3000K	12°	50	50	2000
MS02 IP 27	1W	2700K	12°	49	49	1944
MS02 IP AMBER	1W	Amber	12°	-	-	-
MS02 IP BLUE	1W	Blue	12°	-	-	-
MS02 IP GREEN	1W	Green	12°	-	-	-
MS02 IP RED	1W	Red	12°	-	-	-

WIRING INFORMATION

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	1	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	10

See page 430 for complete offer

ACCESSORIES

WB/M 01 / WB/M 02	Single bracket / double bracket	Sold separately	136
CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446

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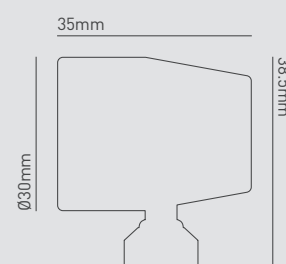
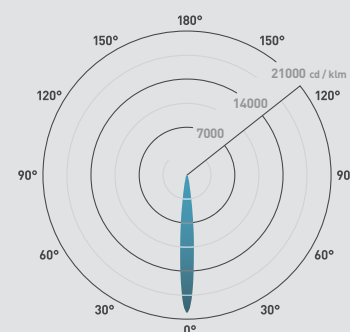
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Mini spot light for discreet illumination
Can be rotated and angled to direct light
Mounting plates available
Can be used for interior and exterior applications

Beam angle: 12°





WB/M 01

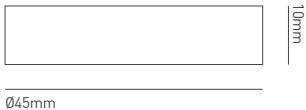
Bracket for MF02 IP & MS02 IP

FEATURES

Product code	WB/M 01
Construction material	Stainless steel (316)
Weight	60g
Guarantee	1 year guarantee

USE WITH

MF02 IP	134
MS02 IP	135



WB/M 02/30 DEGREE

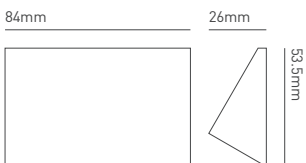
Angled double bracket for MF02 IP & MS02 IP

FEATURES

Product code	WB/M 02/30 DEGREE
Construction material	Stainless steel (316)
Weight	100g
Guarantee	1 year guarantee

USE WITH

MF02 IP	134
MS02 IP	135
WB/M BOX	136



WB/M 02

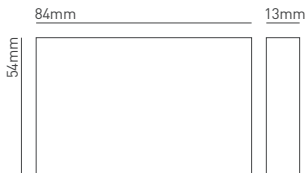
WB/M 02 Bracket for MF02 IP & MS02 IP

FEATURES

Product code	WB/M 02
Construction material	Stainless steel (316)
Weight	100g
Guarantee	1 year guarantee

USE WITH

MF02 IP	134
MS02 IP	135



WB/M BOX

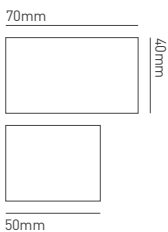
Back box for WB/M 02/30°

FEATURES

Product code	WB/M BOX
Construction material	Steel
Weight	71.8g
Guarantee	1 year guarantee


USE WITH


WB/M 02/30°	136
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GUARANTEE / WARRANTY

1 year extended warranty

FEATURES & BENEFITS

Plug & play connector for quick installation

Wall box available

WL050

LED wall / step light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Input	350mA
Dimmable	Yes with suitable driver
LED lifetime	50,000h
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	77x77mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	160g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL050 NW	1W	4000K	84°	62	52	23
WL050 WW	1W	3000K	84°	29	24	13

WIRING INFORMATION

Cable / flying lead	0.3m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

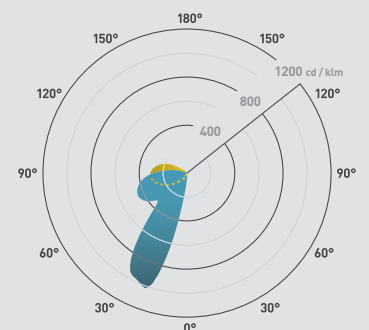
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & play)	-	Yes	No	-	1	9
PLR/350 1-5	-	Yes	No	-	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	-	1	10

See page 430 for complete offer

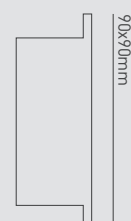
ACCESSORIES

WL050 WALL BOX	Wall box for WL050	Sold separately	138
LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6-way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Beam angle: 84° C0/C180 84° C90/C270



37mm



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GUARANTEE / WARRANTY

1 year extended warranty

FEATURES & BENEFITS

Wall box does not contain an earth terminal, therefore you should not place LED driver into bottom of unit



WL050 WALL BOX

Wall box for WL050

FEATURES

IP rating	IP20
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INSTALLATION INFORMATION

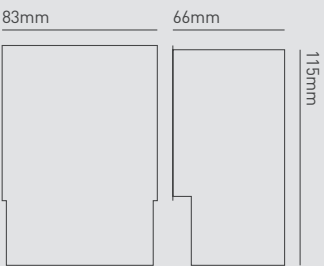
Cut out size	77x77mm
Construction material	Steel
Weight	200g

PRODUCT CODES

Product code	Description
WL050 WALL BOX	Wall box for WL050


USE WITH


WL050	LED wall / step light	137
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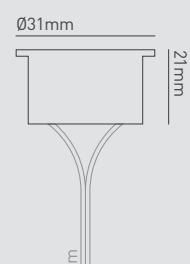
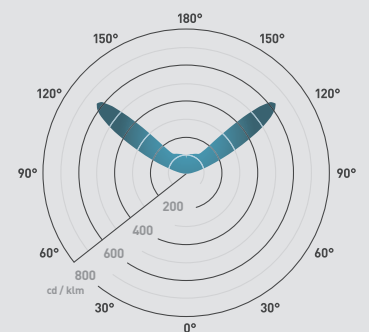
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Small & discreet decorative recessed LED light

Perfect for discreet decorative light in interior and exterior applications



ML01

Decorative LED mini light

FEATURES

IP rating	IP68
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 26mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	50g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	lm	lm/W	lx at 1m
ML01 NW	1W	4000K	4	4	0
ML01 WW	1W	3000K	3.6	3	0
ML01 27	1W	2700K	3.5	3.5	0
ML01 AMBER	1W	Amber	-	-	-
ML01 BLUE	1W	Blue	-	-	-
ML01 GREEN	1W	Green	-	-	-
ML01 RED	1W	Red	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	1	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	10




See page 430 for complete offer

ACCESSORIES

CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446

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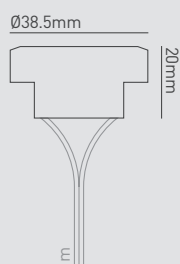
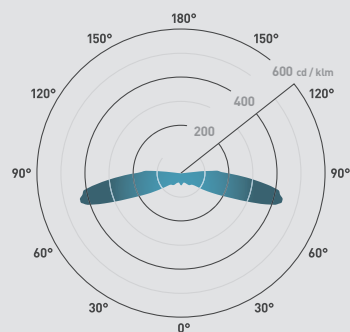
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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Great for guidance lighting
Can be used in interior and exterior applications
Small & discreet decorative LED light
Raised profile creates diffused glow effect on surrounding surface



ML02

Decorative LED mini light

FEATURES

IP rating	IP68
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 26mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	50g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	lm	lm/W	lx at 1m
ML02 NW	1W	4000K	35	35	4
ML02 WW	1W	3000K	24	24	3
ML02 27	1W	2700K	23	23	3
ML02 AMBER	1W	Amber	-	-	-
ML02 BLUE	1W	Blue	-	-	-
ML02 GREEN	1W	Green	-	-	-
ML02 RED	1W	Red	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm ² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	10


See page 430 for complete offer


ACCESSORIES


CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446

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GUARANTEE / WARRANTY

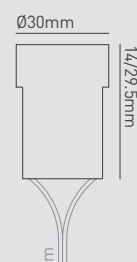
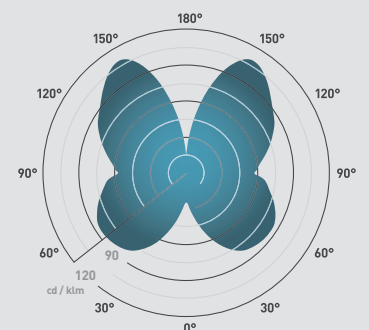
7 year extended warranty

FEATURES & BENEFITS

Raised profile creates diffused glow effect on surrounding surface

Can be used for interior and exterior applications

Small, discreet and low glare decorative LED light



ML03

Mini halo LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 26mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	60g
Maximum ambient temperature	30°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	lm	lm/W	lx at 1m
ML03 NW	1W	4000K	40	40	4
ML03 WW	1W	3000K	28	28	3
ML03 27	1W	2700K	27	27	3
ML03 AMBER	1W	Amber	-	-	-
ML03 BLUE	1W	Blue	-	-	-
ML03 GREEN	1W	Green	-	-	-
ML03 RED	1W	Red	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	1	1	5
PLD UNI-DRIVE 350MA	-	Yes	Yes (1-10V)	2	1	10




See page 430 for complete offer

ACCESSORIES

CR135	PTFE cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
UY2 CONNECTOR	Quick waterproof connector	Sold separately	446

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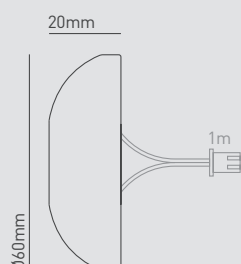
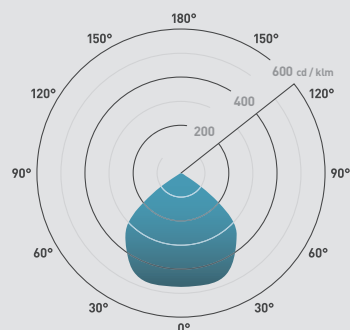
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Plug & play connector for quick installation
Complete with wall fixings
Small & discreet, ideal for under cabinet lighting

Beam angle: 110°



LED LYTE SURFACE

Surface-mount LED mini light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	900g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LED LYTE SURFACE NW	1W	4000K	110°	82	82	46
LED LYTE SURFACE WW	1W	3000K	110°	63	63	30

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & play)	-	Yes	No	1	1	9
PLR/350 1-5	-	Yes	No	1	1	5
PLD UNI-DRIVE 350mA	-	Yes	Yes (1-10V)	2	1	10


See page 430 for complete offer


ACCESSORIES


LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6-way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Decorative wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Plug & play connector for quick installation

Small & discreet

Ideal for decorative lighting

LED LYTE IP

IP rated mini LED light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 26mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	44g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LED LYTE IP NW	1W	4000K	110°	82	82	46
LED LYTE IP WW	1W	3000K	110°	63	63	30
LED LYTE IP 27	1W	2700K	110°	58	58	29
LED LYTE IP AMB	1W	Amber	110°	-	-	-
LED LYTE IP BL	1W	Blue	110°	-	-	-
LED LYTE IP GR	1W	Green	110°	-	-	-
LED LYTE IP RED	1W	Red	110°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

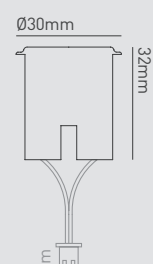
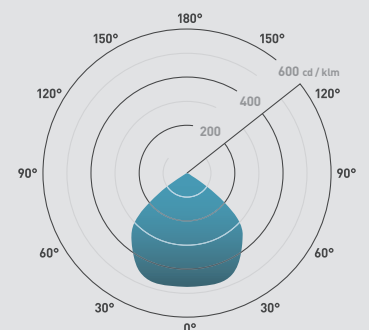
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & play)	-	Yes	No	1	1	9
PSIP3509W	-	Yes	No	1	1	8
PLD UNI-DRIVE 350mA	-	Yes	Yes (1-10V)	2	1	10

See page 430 for complete offer

ACCESSORIES

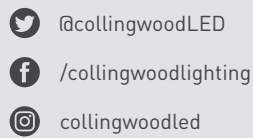
LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6-way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Beam angle: 110°



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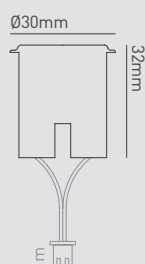
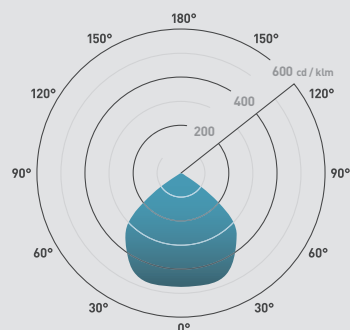
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Plug & play connector for quick installation
Thread and nut for secure fitting
Small & discreet

Beam angle: 110°



LED LYTE IP T

IP rated threaded mini LED light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 26mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	44g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LED LYTE IP T NW	1W	4000K	110°	82	82	46
LED LYTE IP T BL	1W	Blue	110°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & play)	-	Yes	No	1	1	9
PSIP3509W	-	Yes	No	1	1	8
PLD UNI-DRIVE 350mA	-	Yes	Yes (1-10V)	2	1	10


See page 430 for complete offer


ACCESSORIES


LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6-way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Plug & play connector for quick installation

Small & discreet

Ideal for decorative lighting



LED LYTE

Mini LED light

FEATURES

IP rating	IP30
Colour flexibility	Fixed colour
Tilttable	No
Rotatable	No
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 26mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Plastic
Weight	20g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LED LYTE NW	1W	4000K	110°	82	82	46
LED LYTE WW	1W	3000K	110°	60	60	30
LED LYTE 27	1W	2700K	110°	58	58	29
LED LYTE AMBER	1W	Amber	110°	-	-	-
LED LYTE BLUE	1W	Blue	110°	-	-	-
LED LYTE RED	1W	Red	110°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

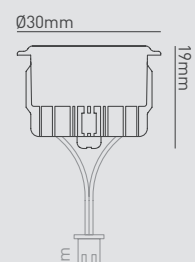
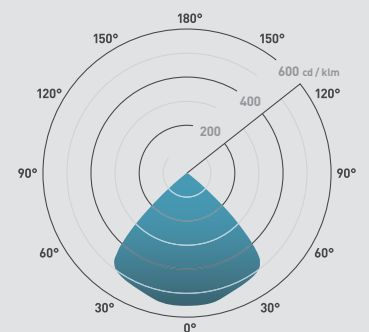
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & play)	-	Yes	No	-	1	9
PLR/350 1-5	-	Yes	No	-	1	5
PLD UNI-DRIVE 350mA	-	Yes	Yes (1-10V)	-	1	10

See page 430 for complete offer

ACCESSORIES

LED LYTE 1M EXT	1m plug & play extension lead	Sold separately	146
LED LYTE 6 WAY EXT	6-way 1m plug & play extension lead	Sold separately	146
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Beam angle: 110°



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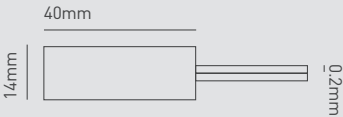
GUARANTEE / WARRANTY

1 year extended warranty

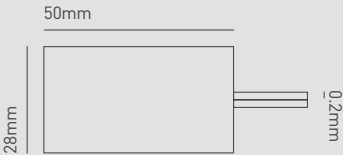
FEATURES & BENEFITS

- Plug & play connectivity removes the need for traditional time consuming wiring
- Each ext. socket can be used for additional LED
- Complete circuit with LED or blanking plug

LED LYTE 1M EXT



LED LYTE 6 WAY EXT



LED LYTE 1M EXT | LED LYTE 6 WAY EXT

1m extension lead | 6-way 1m extension lead

INSTALLATION INFORMATION

Construction material	Plastic
Weight	LED LYTE 1M EXT: 23g LED LYTE 6 WAY EXT: 13.8g

PRODUCT CODES

Product code	Description
LED LYTE 1M EXT	1m extension lead
LED LYTE 6 WAY EXT	6-way 1m extension lead

WIRING INFORMATION

Cable / flying lead	1m (0.205mm ² red & black PTFE)
Type of wiring required	Series

USE WITH

DL120	Mini adjustable LED spot light	124
DL130	Mini adjustable LED spot light	125
LED LYTE	Mini LED light	145
LED LYTE IP	IP rated mini LED light	143
LED LYTE IP T	IP rated threaded mini LED light	144
LED LYTE SURFACE	Surface-mount LED mini light	142
PLU/PP/350 1-9	Driver	138
WL050	LED wall / step light	137



LED strip.

Flexible or rigid, Collingwood Lighting's wide offering of LED strip lights are a time efficient way of creating stunning results in almost any environment. We offer a bespoke cutting service on both the essential and premium range. As well as the bespoke cutting service, we offer a comprehensive range of accessories designed to ensure that installing these products is quick and easy. Choose from a range of styles and LED colours to emphasise signs, stairs and walls. Collingwood's LED products contain output control technology, ensuring that all LEDs in the strip

receive the same current are the same colour temperature and CRI throughout the entire length. Including IP rated strips in the product portfolio allows the option to install both in and outdoors, with very little maintenance required over time. Combined with the appropriate connectors, the need for unsightly wiring on display is eliminated, allowing the product to be displayed around sharp corners, resulting in a high-quality finish for any installation.



Choosing LED strip.

Find the ideal LED strip for your installation

Follow the four easy steps below to determine the perfect LED strip for your installation.

How long do you need your LED strip to be?

Length

Up to 5m

Standard range

Use our standard range constant voltage LED strip for distances up to 5m.



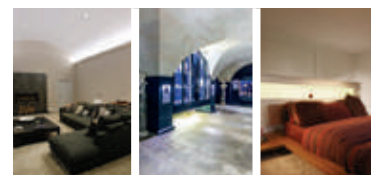
Where are you using your LED strip?

IP rating

Indoor spaces

IP20

For indoor spaces such as living rooms, dining rooms and other living spaces.



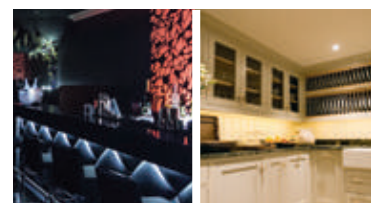
Are you lighting up the space using LED strip or adding accent lighting?

Wattage

Accent lighting

4.8W

Ideal for lighting under cabinets and kickboards.



How warm or cool do you want atmosphere in the space

Colour temperature

Warmest

For a warm and intimate feel, use 2700K.



Over 5m

Premium range

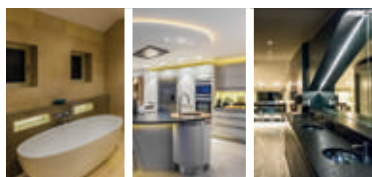
Use our premium range current regulated LED strip for distances over 5m.



Indoor spaces near water

IP44

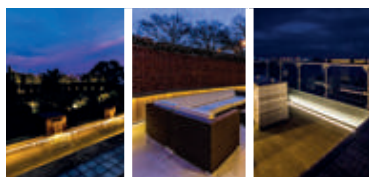
For indoor spaces such as kitchens or bathrooms.



Outdoor spaces & under water

IP68

For outdoor spaces such as gardens and façades, and under water.



Accent lighting

9.6W

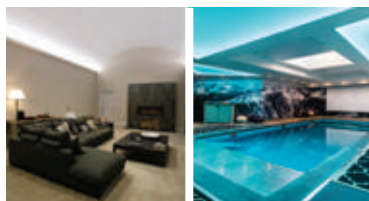
Ideal for lighting in coves to create atmosphere.



Lighting whole space

14.4W

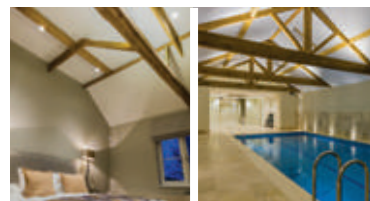
Ideal for lighting up a room using coves



Lighting whole space

17W

Ideal for lighting up a room with higher ceilings or with exposed beams.



Warm

For the warmth of a halogen, use 3000K.



Natural white

To replicate the look of daylight, use 4000K.



Choosing the ideal LED strip.

For your installation

Use the matrix below to select your ideal bespoke LED strip.

1	2	3	4	5	6
L S	C V	0 4 8	2 4 5 6	2 7 3 0 4 0	0 0 1 0 0 2 0 0 3 0 0 4 0 0 5 0 0 6

2 Product

L S LED strip

2 Strip type

- C Current regulated
Premium range -
Up to 20m
- V Constant voltage
Standard range -
Up to 5m

3 IP rating

- 0 IP20
- 4 IP44 Standard only
- 8 IP68 Premium only

4 Wattage

- 2 4.8W
- 5 9.6W
- 4 14.4W Premium only
- 6 17W Premium only

5 Colour temperature

- 2 7 2700K
- 3 0 3000K
- 4 0 4000K

6 Length

- 0 0 1 100mm
- 0 0 2 200mm
- 0 0 3 300mm
- ⋮
- 0 5 0 5m
- ⋮
- 2 0 0 20m

Choosing LED strip.

Bespoke lengths

Use the information and table below to order your bespoke length LED strip.

The strip range features a bespoke cutting service on both the standard and premium range. Get the exact amount of LED strip required to the nearest cutting point. Our standard range is constant voltage LED strip for distances up to 5 meters. The premium range is current regulated LED strip and can run for lengths up to 20 meters, without experiencing any light drop off.



When the IP68 rated strip are cut to a bespoke length, the connections are sealed to ensure they retain their IP rating.



Standard range

The following LED strip is available in lengths up to 5m:
LSV02, LSV05, LSV42, LSV45

Premium range

The following LED strip is available in lengths up to 10m:
LSC04, LSC06, LSC84, LSC86

The following LED strip is available in lengths up to 20m:
LSC02, LSC05, LSC82, LSC85

6 Replace the last 3 digits with the codes below for the required length.

Product code	Length (metre)	Product code	Length (metre)	Product code	Length (metre)	Product code	Length (metre)	Product code	Length (metre)	Product code	Length (metre)	Product code	Length (metre)	Product code	Length (metre)
001	0.1	026	2.6	051	5.1	076	7.6	101	10.1	126	12.6	151	15.1	176	17.6
002	0.2	027	2.7	052	5.2	077	7.7	102	10.2	127	12.7	152	15.2	177	17.7
003	0.3	028	2.8	053	5.3	078	7.8	103	10.3	128	12.8	153	15.3	178	17.8
004	0.4	029	2.9	054	5.4	079	7.9	104	10.4	129	12.9	154	15.4	179	17.9
005	0.5	030	3	055	5.5	080	8	105	10.5	130	13	155	15.5	180	18
006	0.6	031	3.1	056	5.6	081	8.1	106	10.6	131	13.1	156	15.6	181	18.1
007	0.7	032	3.2	057	5.7	082	8.2	107	10.7	132	13.2	157	15.7	182	18.2
008	0.8	033	3.3	058	5.8	083	8.3	108	10.8	133	13.3	158	15.8	183	18.3
009	0.9	034	3.4	059	5.9	084	8.4	109	10.9	134	13.4	159	15.9	184	18.4
010	1	035	3.5	060	6	085	8.5	110	11	135	13.5	160	16	185	18.5
011	1.1	036	3.6	061	6.1	086	8.6	111	11.1	136	13.6	161	16.1	186	18.6
012	1.2	037	3.7	062	6.2	087	8.7	112	11.2	137	13.7	162	16.2	187	18.7
013	1.3	038	3.8	063	6.3	088	8.8	113	11.3	138	13.8	163	16.3	188	18.8
014	1.4	039	3.9	064	6.4	089	8.9	114	11.4	139	13.9	164	16.4	189	18.9
015	1.5	040	4	065	6.5	090	9	115	11.5	140	14	165	16.5	190	19
016	1.6	041	4.1	066	6.6	091	9.1	116	11.6	141	14.1	166	16.6	191	19.1
017	1.7	042	4.2	067	6.7	092	9.2	117	11.7	142	14.2	167	16.7	192	19.2
018	1.8	043	4.3	068	6.8	093	9.3	118	11.8	143	14.3	168	16.8	193	19.3
019	1.9	044	4.4	069	6.9	094	9.4	119	11.9	144	14.4	169	16.9	194	19.4
020	2.0	045	4.5	070	7	095	9.5	120	12	145	14.5	170	17	195	19.5
021	2.1	046	4.6	071	7.1	096	9.6	121	12.1	146	14.6	171	17.1	196	19.6
022	2.2	047	4.7	072	7.2	097	9.7	122	12.2	147	14.7	172	17.2	197	19.7
023	2.3	048	4.8	073	7.3	098	9.8	123	12.3	148	14.8	173	17.3	198	19.8
024	2.4	049	4.9	074	7.4	099	9.9	124	12.4	149	14.9	174	17.4	199	19.9
025	2.5	050	5	075	7.5	100	10	125	12.5	150	15	175	17.5	200	20

Choosing LED strip.

Find the ideal LED strip for your installation

Having identified the IP rating, wattage and colour temperature required, use the tables below to ascertain which LED strip will suit your installation.

- 1 Choose what length you require
- 2 Locate the correct IP rating
- 3 Continue across the table to identify the wattage required
- 4 Select the relevant colour temperature
- ✓ This will provide you with the LED strip part code you'll need to place your order

Standard

Our standard LED strip utilises constant voltage, making it the perfect solution for shorter distances as there will be no loss of light output up to 5m.

Partcode	Length	IP rating	Wattage	Colour temperature
LSV0227050	5m	IP20	4.8W/m	2700K
LSV0227500	50m	IP20	4.8W/m	2700K
LSV0230050	5m	IP20	4.8W/m	3000K
LSV0230500	50m	IP20	4.8W/m	3000K
LSV0240050	5m	IP20	4.8W/m	4000K
LSV0240500	50m	IP20	4.8W/m	4000K
LSV0527050	5m	IP20	9.6W/m	2700K
LSV0527500	50m	IP20	9.6W/m	2700K
LSV0530050	5m	IP20	9.6W/m	3000K
LSV0530500	50m	IP20	9.6W/m	3000K
LSV0540050	5m	IP20	9.6W/m	4000K
LSV0540500	50m	IP20	9.6W/m	4000K

Partcode	Length	IP rating	Wattage	Colour temperature
LSV4227050	5m	IP44	4.8W/m	2700K
LSV4230050	5m	IP44	4.8W/m	3000K
LSV4240050	5m	IP44	4.8W/m	4000K
LSV4527050	5m	IP44	9.6W/m	2700K
LSV4530050	5m	IP44	9.6W/m	3000K
LSV4540050	5m	IP44	9.6W/m	4000K

Length

5m	Standard
10m	Premium
20m	Premium
50m	Standard maximum run length of 5m

IP Rating

IP20	Indoor spaces
IP44	Indoor spaces near water
IP68	Outdoor spaces and under water When cut, the LED strip becomes IP65. We offer a bespoke service that maintains a IP68 rating.

Wattage

4.8W	Accent lighting
9.6W	Accent lighting
14.4W	Lighting whole space
17W	Lighting whole space

Colour temperature

2700K	Warmest
3000K	Warm
4000K	Natural white

Premium

Our premium Collingwood LED strip utilises current regulated technology to ensure there is no loss in light output, regardless of how long the strip is or how far away the driver is.

Partcode	Length	IP rating	Wattage	Colour temperature
LSC0227200	20m	IP20	4.8W/m	2700K
LSC0230200	20m	IP20	4.8W/m	3000K
LSC0240200	20m	IP20	4.8W/m	4000K
LSC0427100	10m	IP20	14.4W/m	2700K
LSC0430100	10m	IP20	14.4W/m	3000K
LSC0440100	10m	IP20	14.4W/m	4000K
LSC0527200	20m	IP20	9.6W/m	2700K
LSC0530200	20m	IP20	9.6W/m	3000K
LSC0540200	20m	IP20	9.6W/m	4000K
LSC0627100	10m	IP20	17W/m	2700K
LSC0630100	10m	IP20	17W/m	3000K
LSC0640100	10m	IP20	17W/m	4000K

Partcode	Length	IP rating	Wattage	Colour temperature
LSC8227200	20m	IP68	4.8W/m	2700K
LSC8230200	20m	IP68	4.8W/m	3000K
LSC8240200	20m	IP68	4.8W/m	4000K
LSC8427100	10m	IP68	14.4W/m	2700K
LSC8430100	10m	IP68	14.4W/m	3000K
LSC8440100	10m	IP68	14.4W/m	4000K
LSC8527200	20m	IP68	9.6W/m	2700K
LSC8530200	20m	IP68	9.6W/m	3000K
LSC8540200	20m	IP68	9.6W/m	4000K
LSC8627100	10m	IP68	17W/m	2700K
LSC8630100	10m	IP68	17W/m	3000K
LSC8640100	10m	IP68	17W/m	4000K

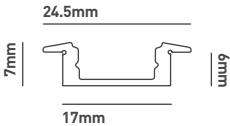
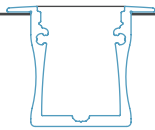
Choosing profile for LED strip.

Find the ideal profile for your installation

We recommend housing your LED strip in a profile to provide a clean, flat surface and professional finish.

Recessed profile

Ideal for recessing into walled material to blend seamlessly and create flat surfaces.

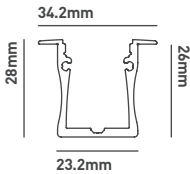


RP7

7mm deep recessed anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: RP7010 2m: RP7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)	
RP7ECA / RP7ECB End cap	



RP28

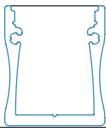
28mm deep recessed anodised aluminium profile and translucent diffuser

Product code	1m: RP28010 2m: RP28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)	
End cap (not sold separately)	

Surface-mount profile

Perfect for use in ceiling voids, shelves and under cabinets to create a clean and effective installation.

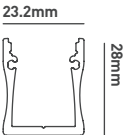


SM7

7mm slim surface-mount anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: SM7010 2m: SM7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)		Accessories (sold separately)
SM7ECA / SM7ECB End cap	SM7MA Mounting bracket	SM7LC Linear connector



SM28

28mm deep surface-mount anodised aluminium profile and translucent diffuser

Product code	1m: SM28010 2m: SM28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)	
SM28ECA End cap	SM28MB Mounting bracket

7mm deep profile

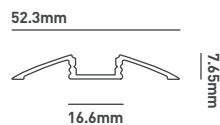
A thinner, recessed profile will fit into thinner materials. Using a slimmer, surface-mount profile allows for a more discreet output when surface mounted.

28mm deep profile

Using a deeper profile will result in a diffused light, creating a softer ambiance.

Floor profile

These are perfect for surface mounting whereby the strip can be walked over. This profile is also specifically convex shaped so that the installation will not become a trip hazard.



CX7

7mm slim surface-mount anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: CX7010 2m: CX7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (sold separately)

CXECA / CXECB
End cap

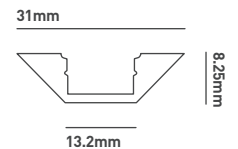


CXECC / CXECD
End cap with holding ears



Surface-mount corner profile

Ideal for installing into a 90° corner, which is ideal for use under shelving and cabinets for a seamless installation.



C07

45° slim surface-mount corner anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: C07010 2m: C07020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (sold separately)

C07ECA / C07ECB
End cap



C07MB
Mounting bracket



LED cove packs.

Cove packs are a great way to illuminate a room by reflecting light off of a ceiling.

Coving to house adhesive LED strip

Product code	BLED COVE PACK
Construction material	Plastic
Guarantee	1 year

Accessories (supplied with profile)

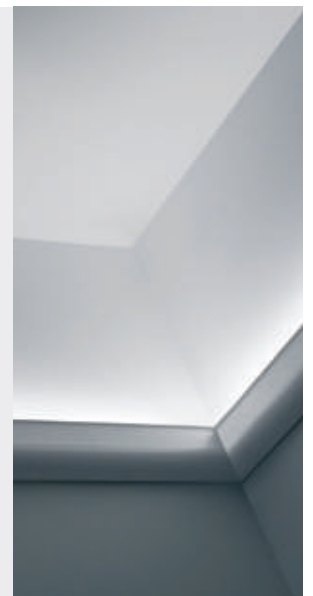
LED cove clip
Fixing clip



Why choose a cove pack?

Using a cove pack helps to create a sleek and contemporary finish when directing light from LED strip on to the ceiling. Creates a striking wash of light up the wall as well as light hitting the ceiling.

This paintable, plastic coving is a complete housing for the quickest installation of an illuminated LED coving. An upper channel holds a flexible lighting strip and a lower, concealed channel directs all the cabling. Available in 1m lengths.



Choose your connectors.

Find the ideal connector for your LED strip

All of the connectors below are compatible with our IP20 LED strip.

Compatible with
**Standard LED
Strip**



LSBFC8

Connects LED strip to more LED strip

Product code LSBFC8



LSBFCS8

Adds 150mm fly leads to LED strip

Product code LSBFCS8



LSBFCD8

Connects LED strip to more LED strip with 150mm fly leads

Product code LSBFCD8

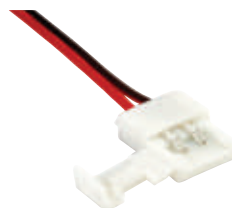
Compatible with
**Premium 4.8W
LED strip**



LSBFC10

Connects LED strip to more LED strip

Product code LSBFC10



LSBFCS10

Adds 150mm fly leads to LED strip

Product code LSBFCS10



LSBFCD10

Connects LED strip to more LED strip with 150mm fly leads

Product code LSBFCD10

Compatible with
**All other Premium
LED strip**



LSAFC122

Connects LED strip to more LED strip

Product code LSAFC122



LSAFCS122

Allows 0.5mm 2 fly leads be connected to LED strip
Leads not supplied

Product code LSAFCS122

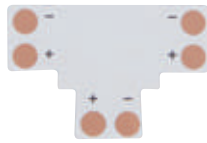
Connectors cannot be used inside 7mm profile.



LSBFS8L

L-bend (90°)

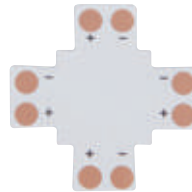
Product code LSBFS8L



LSBFS8T

T-junction

Product code LSBFS8T



LSBFS8X

X-junction

Product code LSBFS8X



LSBFS10L

L-bend (90°)

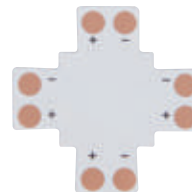
Product code LSBFS10L



LSBFS10T

T-junction

Product code LSBFS10T






LSBFS10X

X-junction

Product code LSBFS10X

LED strips.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

IP20 4.8W/m LED strip

Ideal for indoor use in a wide range of applications including accent lighting

Cut points every 100mm

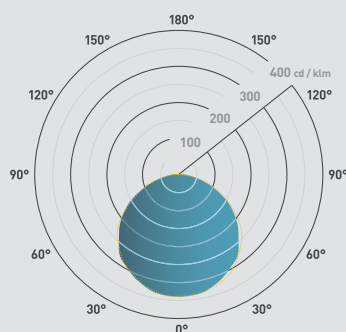
3M self-adhesive backing for secure and easy installation

Has a high efficacy of up to 108lm/W for energy and cost savings

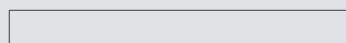
Enlarged connection points for ease of installation

Can be concealed in a whole range of situations offering a sleek solution to lighting features

Beam angle: 120°



5m/100mm



LSV02

4.8 W/m, IP20, 24V constant voltage, self-adhesive, flexible strip

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	30,000h L70 B50
CRI	>80Ra
SDCM	5SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	15g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSV0240050	5m reel	60 LEDs/m	4.8W/m	4000K	120°	520	108	175
LSV0230050	5m reel	60 LEDs/m	4.8W/m	3000K	120°	460	96	154
LSV0227050	5m reel	60 LEDs/m	4.8W/m	2700K	120°	450	94	151
LSV0240500	50m reel	60 LEDs/m	4.8W/m	4000K	120°	520	108	175
LSV0230500	50m reel	60 LEDs/m	4.8W/m	3000K	120°	460	96	154
LSV0227500	50m reel	60 LEDs/m	4.8W/m	2700K	120°	450	94	151

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS3024B	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	6m
PSDIP6024	220V-240V	Yes	Yes 1-10V	-	-	12m
PSDIP10024	220V-240V	Yes	Yes 1-10V	-	-	20m

See page 434 for complete offer

ACCESSORIES

LSBFC8 / LSBFCS8 / LSBFCD8	Range of fast fix connectors for use with LSV02	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436



LSV05

9.6 W/m, IP20, 24V constant voltage, self-adhesive, flexible strip

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	30,000h L70 B50
CRI	>80Ra
SDCM	5SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	16g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSV0540050	5m reel	120 LEDs/m	9.6W/m	4000K	120°	1040	108	349
LSV0530050	5m reel	120 LEDs/m	9.6W/m	3000K	120°	930	97	312
LSV0527050	5m reel	120 LEDs/m	9.6W/m	2700K	120°	900	94	302
LSV0540500	50m reel	120 LEDs/m	9.6W/m	4000K	120°	1040	108	349
LSV0530500	50m reel	120 LEDs/m	9.6W/m	3000K	120°	930	97	312
LSV0527500	50m reel	120 LEDs/m	9.6W/m	2700K	120°	900	94	302

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm ² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	5m
PSDIP10024	220V-240V	Yes	Yes 1-10V	-	-	10m
PSIP25024	220V-240V	Yes	Yes (PDCINT110V)	-	-	26m

See page 434 for complete offer

ACCESSORIES

LSBFC8 / LSBFCS8 / LSBFCD8	Range of fast fix connectors for use with LSV05	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

IP20 9.6W/m LED strip

Ideal for indoor use in a wide range of applications including accent lighting

Cut points every 50mm

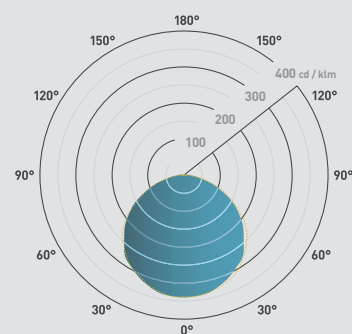
3M self-adhesive backing for secure and easy installation

Has a high efficacy of up to 108lm/W for energy and cost savings

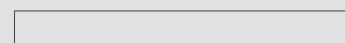
Enlarged connection points for ease of installation

Can be concealed in a whole range of situations offering a sleek solution to lighting features

Beam angle: 120°






5m/50mm



8mm

LED strips.

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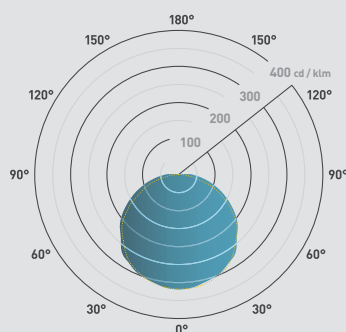
GUARANTEE / WARRANTY

3 year extended warranty

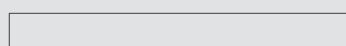
FEATURES & BENEFITS

IP44 4.8W/m LED strip
Ideal for use in kitchens and bathrooms
Excellent for accent lighting
Cut points every 100mm
3M self-adhesive backing for secure and easy installation
Has a high efficacy of up to 100lm/W, ideal for energy and cost savings
Enlarged connection points for ease of installation
Has a UV resistant, silicone coating to enable cleaning

Beam angle: 120°



5m/100mm




8mm



LSV42

4.8 W/m, IP44, 24V constant voltage, self-adhesive, flexible strip

FEATURES

IP rating	IP44
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	30,000h L70 B50
CRI	>80Ra
SDCM	5SDCM

INSTALLATION INFORMATION

Bathroom zone	1
Construction material	Flexible tape with Silicone coating
Weight	30g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSV4240050	5m reel	60 LEDs/m	4.8W/m	4000K	120°	480	100	151
LSV4230050	5m reel	60 LEDs/m	4.8W/m	3000K	120°	425	89	134
LSV4227050	5m reel	60 LEDs/m	4.8W/m	2700K	120°	410	86	129

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS3024B	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	6m
PSDIP6024	220V-240V	Yes	Yes 1-10V	-	-	12m
PSDIP10024	220V-240V	Yes	Yes 1-10V	-	-	20m

See page 434 for complete offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436



LSV45

9.6 W/m, IP44, 24V constant voltage, self-adhesive, flexible strip

FEATURES

IP rating	IP44
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required [24V]
LED lifetime	30,000h L70 B50
CRI	>80Ra
SDCM	5SDCM

INSTALLATION INFORMATION

Bathroom zone	1
Construction material	Flexible tape with Silicone coating
Weight	32g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSV4540050	5m reel	120 LEDs/m	9.6W/m	4000K	120°	950	99	299
LSV4530050	5m reel	120 LEDs/m	9.6W/m	3000K	120°	860	90	271
LSV4527050	5m reel	120 LEDs/m	9.6W/m	2700K	120°	830	87	262

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	5m
PSDIP10024	220V-240V	Yes	Yes 1-10V	-	-	10m
PSIP25024	220V-240V	Yes	Yes (PDCINT110V)	-	-	26m

See page 434 for complete offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

IP44 9.6W/m LED strip

Ideal for use in kitchens and bathrooms

Excellent for accent lighting

Cut points every 50mm

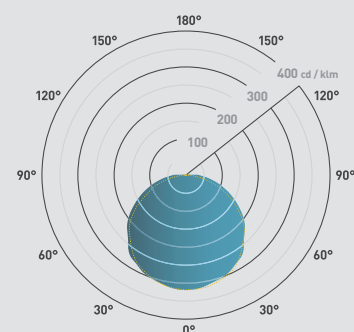
3M self-adhesive backing for secure and easy installation

Has a high efficacy of up to 99lm/W, ideal for energy and cost savings

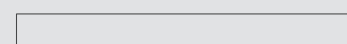
Enlarged connection points for ease of installation

Has a UV resistant, silicone coating to enable cleaning

Beam angle: 120°






5m/50mm



8mm

LED strips.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

Ideal for dry environments, such as accent lighting in a living room

Cut points are every 100mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

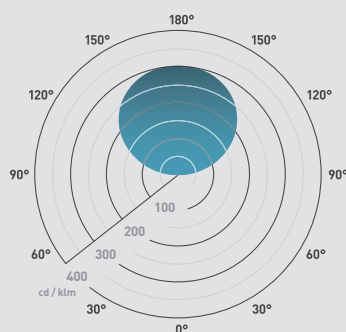
3M self-adhesive backing for secure and easy installation

Supplied in customised lengths (0.1m up to 20m in 0.1m increments)

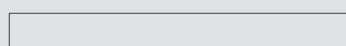
Excellent energy saving costs with an efficacy of up to 102lm/W, and a quick return on investment

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



20m/100mm



 10mm



LSC02

4.8 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	28g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC0240200	Max Run 20m	60 LEDs/m	4.8W/m	4000K	120°	490	102	148
LSC0230200	Max Run 20m	60 LEDs/m	4.8W/m	3000K	120°	440	92	133
LSC0227200	Max Run 20m	60 LEDs/m	4.8W/m	2700K	120°	420	88	127

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	6m
PS7524	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	15m
PSIP15024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	30m


See page 434 for complete offer


ACCESSORIES


LSBFC10 / LSBFCS10 / LSBFCD10	Range of fast fix connectors for use with LSC02	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

Ideal for dry environments, such as accent lighting in a living room

Cut points are every 100mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

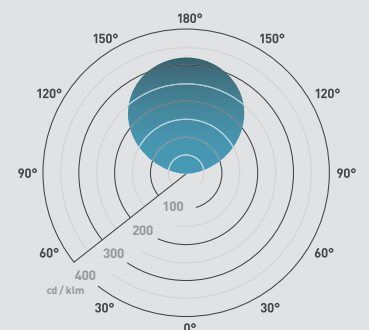
3M self-adhesive backing for secure and easy installation

Supplied in customised lengths (0.1m up to 20m in 0.1m increments)

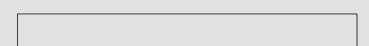
Excellent energy saving costs with an efficacy of up to 99lm/W, and a quick return on investment

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



20m/500mm




12mm



LSC05

9.6 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	28g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC0540200	Max Run 20m	120 LEDs/m	9.6W/m	4000K	120°	950	99	308
LSC0530200	Max Run 20m	120 LEDs/m	9.6W/m	3000K	120°	900	94	291
LSC0527200	Max Run 20m	120 LEDs/m	9.6W/m	2700K	120°	860	90	278

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	3m
PS10024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	10m
PSIP24024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	26m




See page 434 for complete offer

ACCESSORIES

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strips.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

Ideal for dry environments, such as primary lighting in a living room

Cut points are every 50mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 50mm

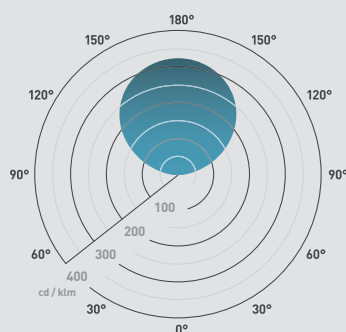
3M self-adhesive backing for secure and easy installation

Supplied in customised lengths (0.1m up to 10m in 0.1m increments)

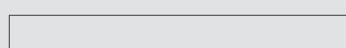
Excellent energy saving costs with an efficacy of up to 94lm/W, and a quick return on investment.

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



10m/50mm




12mm



LSC04

14.4 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	28g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC0440100	Max Run 10m	120 LEDs/m	14.4W/m	4000K	120°	1350	94	437
LSC0430100	Max Run 10m	120 LEDs/m	14.4W/m	3000K	120°	1280	89	414
LSC0427100	Max Run 10m	120 LEDs/m	14.4W/m	2700K	120°	1200	83	389

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	3m
PS10024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	6m
PSIP25024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	17m


See page 434 for complete offer


ACCESSORIES


LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

Ideal for dry environments, such as primary lighting in a living room

Cut points are every 41.6mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 50mm

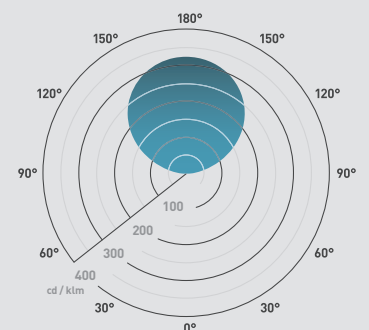
3M self-adhesive backing for secure and easy installation

Supplied in customised lengths (0.1m up to 10m in 0.1m increments)

Excellent energy saving costs with an efficacy of up to 94lm/W, and a quick return on investment.

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



10m/41.6mm


12mm



LSC06

17.0 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	30g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC0640100	Max Run 10m	144 LEDs/m	17W/m	4000K	120°	1600	94	518
LSC0630100	Max Run 10m	144 LEDs/m	17W/m	3000K	120°	1450	85	470
LSC0627100	Max Run 10m	144 LEDs/m	17W/m	2700K	120°	1400	82	453

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	4m
PSIP15024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	8m
PSIP25024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	14m




See page 434 for complete offer

ACCESSORIES

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strips.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

IP68 rated, making it suitable as accent light in wet environments

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

Cut points are every 100mm

3M self-adhesive backing for secure and easy installation

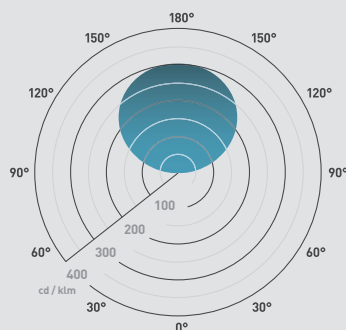
Supplied in customised lengths (0.1m up to 20m in 0.1m increments)

Has a high efficacy of 88lm/W

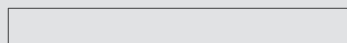
Has a high-grade silicone extruded coating, UV resistant

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



20m/100mm




12x5mm



LSC82

4.8 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

FEATURES

IP rating	IP68
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Weight	110g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC8240200	Max Run 20m	60 LEDs/m	4.8W/m	4000K	120°	420	88	127
LSC8230200	Max Run 20m	60 LEDs/m	4.8W/m	3000K	120°	380	79	115
LSC8227200	Max Run 20m	60 LEDs/m	4.8W/m	2700K	120°	360	75	109

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	6m
PS7524	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	15m
PSIP15024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	30m

See page 434 for complete offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436



LSC85

9.6 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

FEATURES

IP rating	IP68
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Weight	147g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC8540200	Max Run 20m	120 LEDs/m	9.6W/m	4000K	120°	850	89	275
LSC8530200	Max Run 20m	120 LEDs/m	9.6W/m	3000K	120°	800	83	259
LSC8527200	Max Run 20m	120 LEDs/m	9.6W/m	2700K	120°	760	79	246

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	3m
PS10024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	10m
PSIP24024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	26m

See page 434 for complete offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

IP68 rated, making it suitable as accent light in wet environments

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

Cut points are every 50mm

3M self-adhesive backing for secure and easy installation

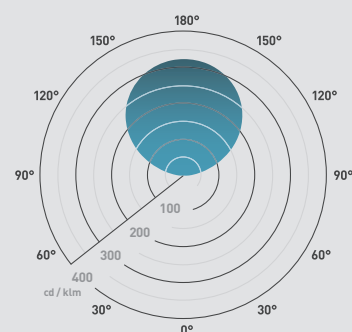
Supplied in customised lengths (0.1m up to 20m in 0.1m increments)

Has a high efficacy of 89lm/W

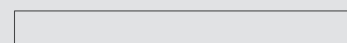
Has a high-grade silicone extruded coating, UV resistant

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°






20m/50mm



14x5mm

LED strips.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

IP68 rated, making it suitable as primary light in wet environments

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 50mm

3M self-adhesive backing for secure and easy installation

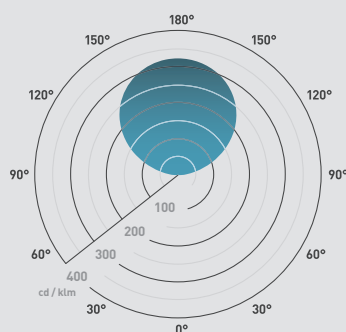
Supplied in customised lengths (0.1m up to 10m in 0.1m increments)

Has a high efficacy of 87lm/W

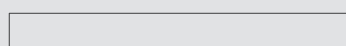
Has a high-grade silicone extruded coating, UV resistant

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



10m/50mm




14x5mm



LSC84

14.4 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

FEATURES

IP rating	IP68
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Weight	147g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC8427100	Max Run 10m	120 LEDs/m	14.4W/m	2700K	120°	1050	73	340
LSC8430100	Max Run 10m	120 LEDs/m	14.4W/m	3000K	120°	1150	80	372
LSC8440100	Max Run 10m	120 LEDs/m	14.4W/m	4000K	120°	1250	87	404

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	3m
PS10024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	6m
PSIP24024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	17m

See page 434 for complete offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436



LSC86

17.0 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

FEATURES

IP rating	IP68
Self-adhesive backing	Yes
Bespoke lengths	Yes
Colour flexibility	Fixed colour
Input	Driver required (24V)
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Weight	126g per meter
Maximum ambient temperature	-20°C to 45°C
SELV	N/A (refer to LED DRIVERS section below)
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Max run length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSC8640100	Max Run 10m	144 LEDs/m	17.0W/m	4000K	120°	1400	82	453
LSC8630100	Max Run 10m	144 LEDs/m	17.0W/m	3000K	120°	1350	79	421
LSC8627100	Max Run 10m	144 LEDs/m	17.0W/m	2700K	120°	1250	74	405

WIRING INFORMATION

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS5024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	4m
PSIP15024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	8m
PSIP24024	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	14m

See page 434 for complete offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

5 year extended warranty
Cutting to required length will render this product non-returnable

FEATURES & BENEFITS

IP68 rated, making it suitable as primary light in wet environments

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 41.6mm

3M self-adhesive backing for secure and easy installation

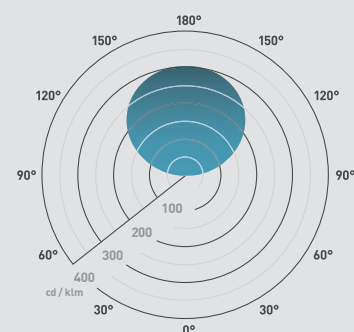
Supplied in customised lengths (0.1m up to 10m in 0.1m increments)

Has a high efficacy of 87lm/W

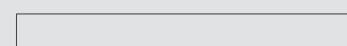
Has a high-grade silicone extruded coating, UV resistant

Has a high CRI >90Ra so the colours in your installation will be closer to reality than ever before

Beam angle: 120°



10m/41.6mm



14x5mm





SP50

IP20 LED strip pack and driver

FEATURES

IP rating	IP20
Self-adhesive backing	Yes
Bespoke lengths	No
Colour flexibility	Fixed colour
Input	Mains AC
LED lifetime	30,000h
CRI	>80Ra
SDCM	5SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape
Weight	15g per meter
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SP5040	5m reel	60 LEDs/m	24W per 5m 4.8W per m	4000K	120°	520	108	175
SP5030	5m reel	60 LEDs/m	24W per 5m 4.8W per m	3000K	120°	460	96	154
SP5027	5m reel	60 LEDs/m	24W per 5m 4.8W per m	2700K	120°	450	94	151

WIRING INFORMATION

Cable / flying lead	Supplied with a minimum of 500mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS3024B	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	5m

ACCESSORIES

LSBFC8 / LSBFCS8 / LSBFCD8	Range of fast fix connectors	Sold Separately	158
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436

LED strip.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

IP20 4.8W/m LED strip pack

Ideal for indoor use in a wide range of applications including task lighting

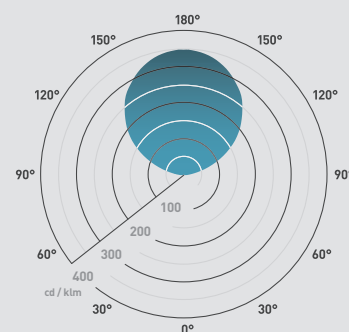
Excellent for accent lighting

Cut points every 100mm

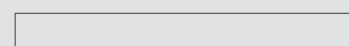
3M self-adhesive backing for secure and easy installation

Supplied in a resealable, antistatic bag to protect during transit

Beam angle: 120°



5m/100mm



8mm

LED strips.

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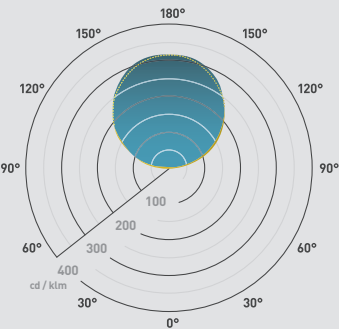
GUARANTEE / WARRANTY

3 year extended warranty

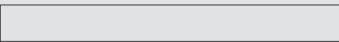
FEATURES & BENEFITS

- IP44 4.8W/m LED strip pack
- Ideal for use in kitchens and bathrooms
- Excellent for secondary lighting
- Cut points every 100mm
- 3M self-adhesive backing for secure and easy installation
- Supplied in a resealable, antistatic bag to protect during transit

Beam angle: 120°



5m/100mm



8mm



SP54

IP44 LED strip pack and IP20 driver

FEATURES

IP rating	IP44
Self-adhesive backing	Yes
Bespoke lengths	No
Colour flexibility	Fixed colour
Input	Mains AC
LED lifetime	30,000h
CRI	>80Ra
SDCM	5SDCM

INSTALLATION INFORMATION

Bathroom zone	N/A
Construction material	Flexible tape with silicone coating
Weight	30g per meter
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SP5440	5m reel	60 LEDs/m	24W per 5m 4.8W per m	4000K	120°	480	100	151
SP5430	5m reel	60 LEDs/m	24W per 5m 4.8W per m	3000K	120°	425	89	134
SP5427	5m reel	60 LEDs/m	24W per 5m 4.8W per m	2700K	120°	410	86	129

WIRING INFORMATION

Cable / flying lead	Supplied with a minimum of 500mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS3024B	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	5m

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	156-157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	157
LED COVE PACK	Coving to house adhesive strip	Sold Separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	436



SP158

IP68 LED strip pack and IP20 driver

FEATURES

IP rating	IP68
Self-adhesive backing	Yes
Bespoke lengths	No
Colour flexibility	Fixed colour
Input	Mains AC
LED lifetime	60,000h L70 B10
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Construction material	Flexible tape with silicone extrusion
Weight	148g per meter
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Reel length	LED/m	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SP15840	5m reel	120 LEDs/m	72W per 5m 14.4W per m	4000K	120°	1050	73	340
SP15830	5m reel	120 LEDs/m	72W per 5m 14.4W per m	3000K	120°	1150	80	372
SP15827	5m reel	120 LEDs/m	72W per 5m 14.4W per m	2700K	120°	1250	87	404

WIRING INFORMATION

Cable / flying lead	Supplied with a minimum of 500mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS7524	220V-240V	Yes	Yes (PDCINT1-10V)	-	-	5m

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	156-157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	157
LED COVE PACK	Coving to house adhesive strip	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	436

LED strip.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

IP68 14.4W/m LED strip pack

Ideal for use outdoors, and humid areas in kitchens and bathrooms

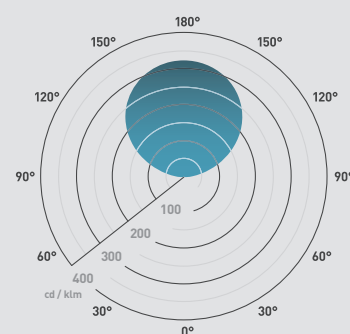
Excellent primary lighting and within coving

Cut points every 50mm

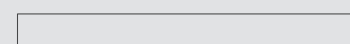
3M self-adhesive backing for secure and easy installation

Supplied in a resealable, antistatic bag to protect during transit

Beam angle: 120°



5m/50mm



14mm

Landscape.

Lighting has the potential to dramatically enhance the overall design of any landscape, and should be considered at the start of every design. Providing an abundance of benefits for both residential and commercial spaces, landscape lighting can add safety, security, ambiance, mood and drama to the overall environment. Limited only by the designer's imagination, the practical functions and various mood effects that can be established are endless. Our range of ground lights are built to last and can be used in many environments, even coastal areas with our marine grade stainless steel 316 products, providing you with the reassurance that the products will look as good as the day they were fitted.

In addition to ground lights, the use of wall and spike lights in any design will amplify the overall look and feel. Available in contemporary finishes such as anodised bronze and copper, they are sure to add depth and edge to any design. Charismatic and timeless, finishing your overall design with our hand crafted, bespoke bollard range will ensure a safe, dynamic and elegantly lit space to compliment the surroundings.



Landscape lighting.

Adding depth to landscapes

Transforming any landscape with lighting design is as important as interior lighting. It can invigorate the environment and bring the space to life.

Incorporating lighting into landscape design

To amplify the quality of a landscape, lighting should be incorporated into the design. When it comes to landscape lighting, three key areas should be considered; functional areas, feature areas and entertainment areas. If consideration is taken for these, landscapes will have added depth and can really be brought to life.

Functional areas

The correct lighting should be considered when illumination is required for a certain task, such as visibility or circulation. Pathways and storage areas usually require functional lighting but can be used as a layer of light that contributes to the overall landscape.

Feature areas

Sculptures, ponds and interesting plant life can form distinct features in a landscape design, but may be lost at night. Consider the most appropriate way to light them to ensure they become the focal point in a landscape.

Entertainment areas

Lighting in this area should be used to create ambience as it often becomes the most used area in a landscape. As such, it is a good idea to consider lighting at the start of the design. This can be further enhanced through the use of controls.



Maximising materials

Importance of colour temperature

Accentuating the materials in a landscape can be achieved by selecting a colour temperature that enhances the colour of the material being highlighted.

Wood / sand

Warmer tones found in materials such as these would be complimented by a colour temperature of 2700K - 3000K.



Stone

For featuring the natural components of stone, a colour temperature of 2700K - 4000K will be most suitable.



Whites

For white materials, such as painted brick or furniture, choose 4000K to emphasise the tones.



Antique brass finishes

The use of antique brass is an increasingly popular trend with landscape lighting designers, and to accommodate this development we have just extended our offering to include even more antique brass varieties. An antique brass finish is ideal for both modern, contemporary properties or for period properties such as cottages constructed from stone or with wooden beams, which have inglenooks or internal exposed beams.

Warmer 2700K and 3000K colours are ideal for use with antique brass finishes. A warmer colour temperature creates an inviting atmosphere and is desirable in homes and entertainment areas, creating a relaxing and cosy atmosphere.

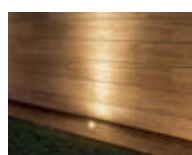


Atmosphere

The correct colour temperature is paramount for the choice of material you wish to highlight and the atmosphere you wish to create. Landscape designs are easily transformed by the correct colour temperature.

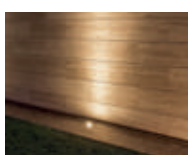
Warmest

2700K



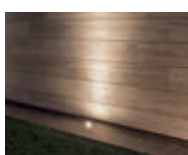
Warm

3000K



Natural white

4000K



Flood vs. spot

Choose the ideal beam angle to achieve the effect that you need.

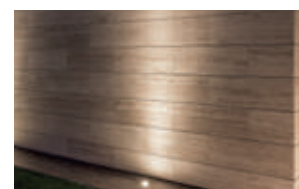
Flood

Wash light over an area with a wider beam angle.



Spot

Concentrated beam of light with a narrower beam angle.



Textured surfaces vs. flat surfaces

When choosing a light fitting, it is imperative to consider the surface that the light will be used on. At this stage, it is a great opportunity to bring the materials to life and compliment the landscape design.

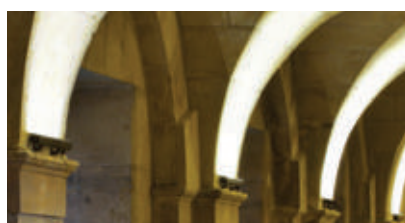
Textured surface

Use a spot, close to the surface, to graze light over the surface, highlighting the texture and adding depth to the surface.



Flat surfaces

Use a flood to wash light over the surface, highlighting the clean nature of the surface/design.



Underwater lighting

IP68 rated lights are completely air tight and can be used underwater. Patented technology unique to Collingwood, prevents water ingress from the back of the light, where the cable enters the product.

When designing a pond area, ensure that you are using IP68 rated products.



Ground lights.

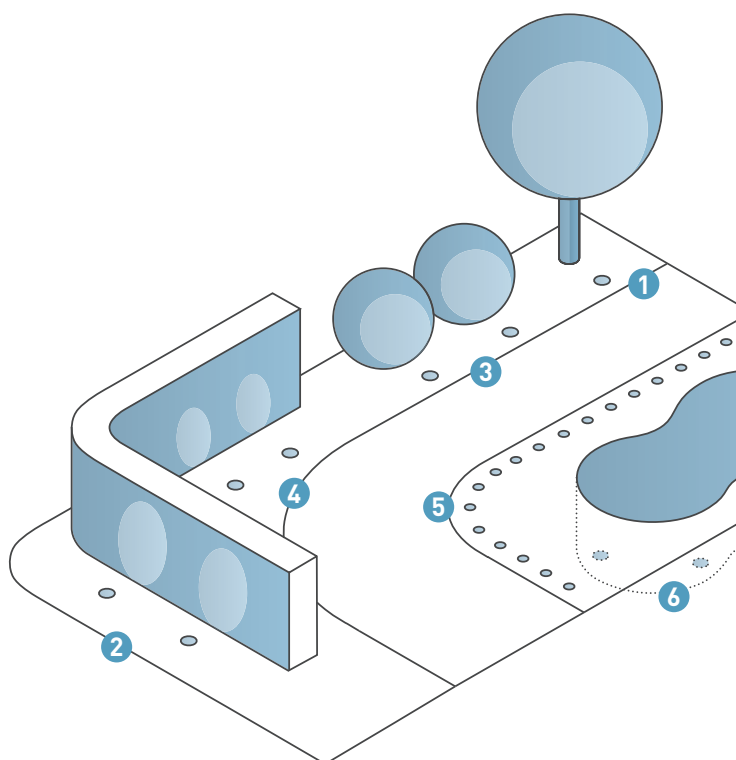
Highlighting features inside and out

Using ground lights in any light design can transform your space from dark and uninspiring to a perfectly illuminated space to suit any requirement.

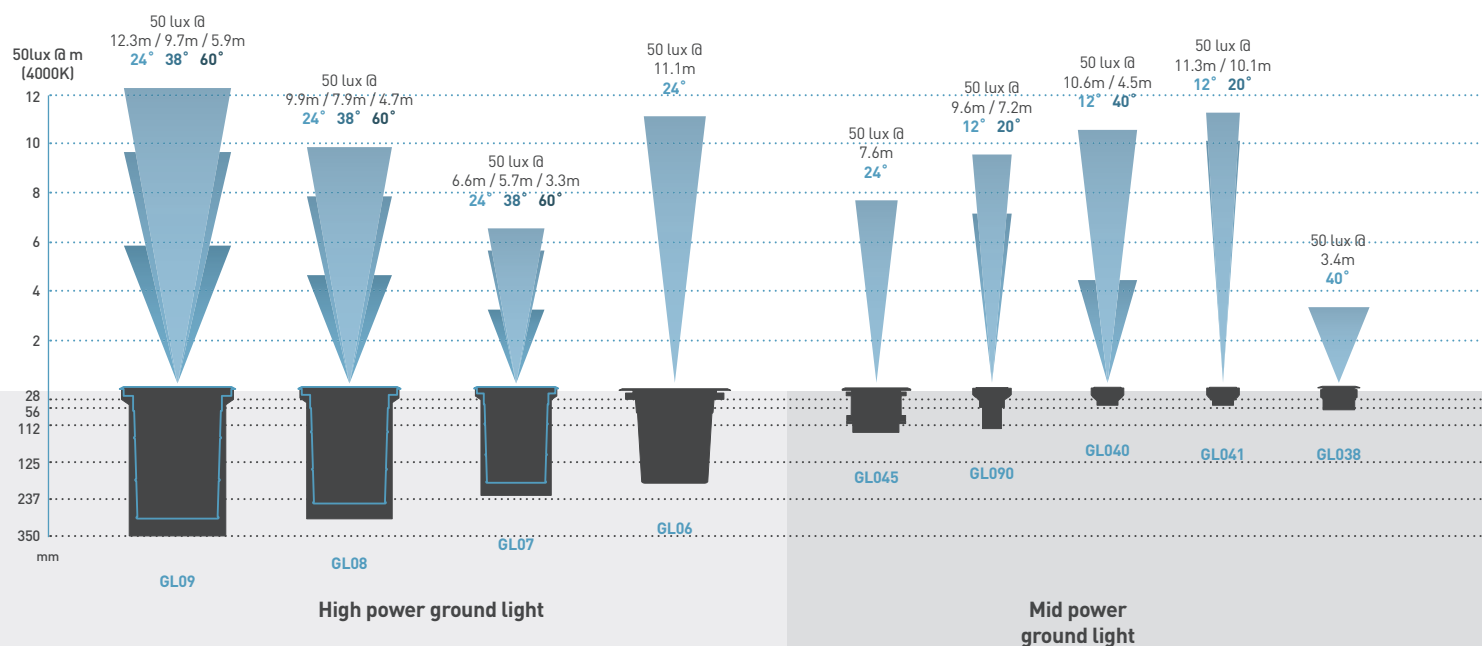
What type of ground light?

We offer the ideal ground light for every installation.

- 1 High power ground light**
 Powerful in output and large in scale, these fittings are ideal for illuminating big trees and the facades of taller buildings.
- 2 Mid power ground light**
 Choose these to light smaller façades, trees, shrubs and garden walls. These fittings can also be used inside large scale buildings to highlight architectural features.
- 3 Low power ground light**
 Ideal for uplighting domestic façades and for use on wide steps and terraces with low level planting, these fittings can also be used inside to highlight architectural features. They can also be recessed into ceilings to provide small downlight options in display cases, alcoves or in showers.
- 4 Low glare ground light**
 These fittings are ideal for use indoors or near terraces, seating areas and along pathways where people pass nearby.
- 5 Marker light**
 Providing a subtle, diffused glow of light, these fittings are ideal for steps, pathways, driveways and car parks.
- 6 Underwater lighting**
 IP rated to IP68 and tested to 9m submersion.



Choose the ideal size and output



Patented underwater technology

IP68 rated ground lights are completely air tight and can be used under water.

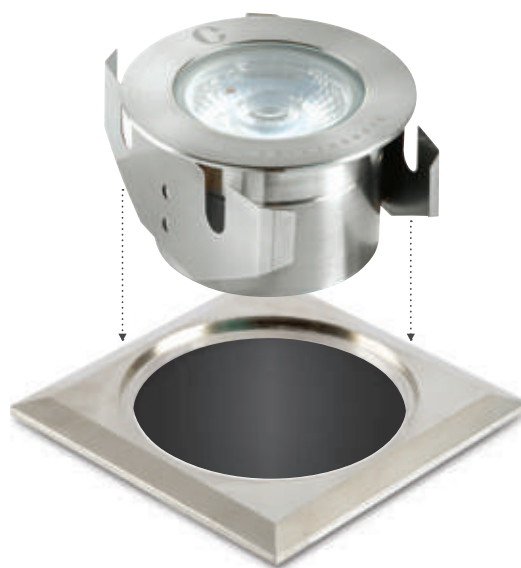
Our low voltage ground lights utilise patented technology, unique to Collingwood,. The anti syphon bung prevents water ingress when submerged, from where the cable enters the product.



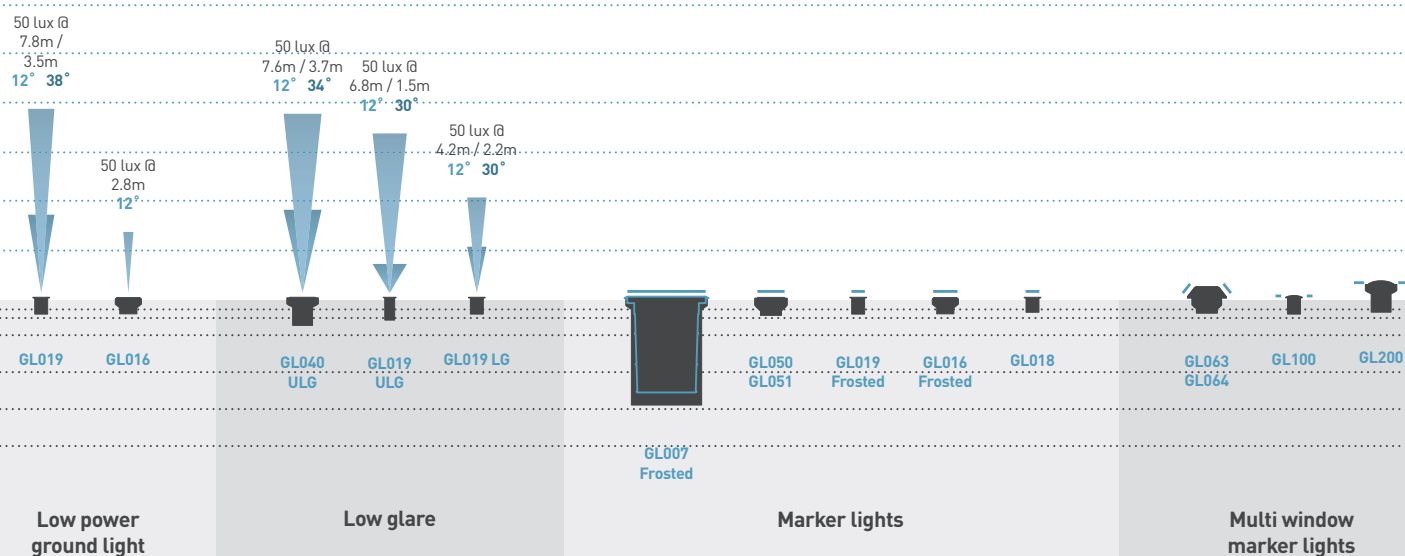
GLA01 square plate

The perfect accessory to change the look of ground lights. The GLA01 is a square plate to transform round ground lights to square ground lights.

This is also a marine grade stainless steel 316.






Diagrams shown are Mains and 700mA output.



Ground lights.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Marine-grade stainless steel 316 for long-lasting durability

Adjustable LED fittings

High light output of 2085 lumens

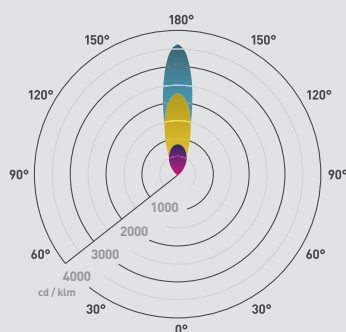
Straight to mains

Robust cable for outdoor use

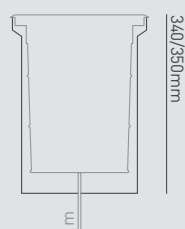
Installation tube included

10mm toughened glass, ideal for use in driveways

Beam angle: 24° 38° 60°



Ø300/290mm



GL09

25W, 2,085lm drive over ground light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Tilttable	20°
Walk over / drive over	Drive over (15mph maximum)
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.8A 0.2ms
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Weight	7.51Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL09D60X40	25.5W	4000K	60°	2085	82	1742
GL09D38X40	25.5W	4000K	38°	2085	82	4752
GL09D24X40	25.5W	4000K	24°	2085	82	7529
GL09D60X30	25.5W	3000K	60°	2085	82	1742
GL09D38X30	25.5W	3000K	38°	2085	82	4752
GL09D24X30	25.5W	3000K	24°	2085	82	7529

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	220-240V	-	No	2	-	-


ACCESSORIES


Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick waterproof connector	Sold separately	446

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Marine-grade stainless steel 316 for long-lasting durability

Adjustable LED fittings

High light output of 1390 lumens

Straight to mains

Robust cable for outdoor use

Installation tube included

10mm toughened glass, ideal for use in driveways



GL08

17W, 1,390lm drive over ground light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Tilttable	20°
Walk over / drive over	Drive over (15mph maximum)
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	1.8A 0.2ms
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Weight	4.1Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL08D60X40	17W	4000K	60°	1390	82	1103
GL08D38X40	17W	4000K	38°	1390	82	3146
GL08D24X40	17W	4000K	24°	1390	82	4862
GL08D60X30	17W	3000K	60°	1390	82	1103
GL08D38X30	17W	3000K	38°	1390	82	3146
GL08D24X30	17W	3000K	24°	1390	82	4862

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

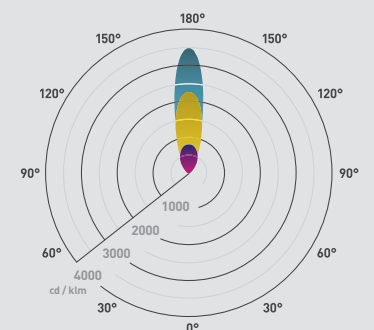
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	220-240V	Yes	No	2	-	-

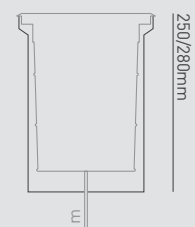
ACCESSORIES

Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick waterproof connector	Sold separately	446

Beam angle: 24° 38° 60°



Ø225/212mm



Ground lights.

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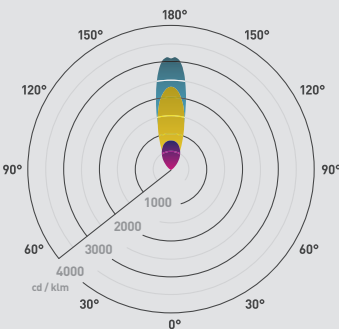
GUARANTEE / WARRANTY

5 year extended warranty

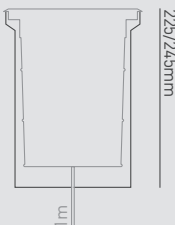
FEATURES & BENEFITS

- Marine-grade stainless steel 316 for long-lasting durability
- Adjustable LED fittings
- High light output of 695 lumens
- Robust cable for outdoor use
- Straight to mains
- Installation tube included
- 10mm toughened glass, ideal for use in driveways

Beam angle: 24° 38° 60°



Ø185/180mm



GL07

8.5W, 695lm drive over LED ground light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Tilttable	20°
Walk over / drive over	Drive over (15mph maximum)
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	0.92A 0.13ms
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Weight	2.8Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL07D60X40	8.5W	4000K	60°	695	82	550
GL07D38X40	8.5W	4000K	38°	695	82	1620
GL07D24X40	8.5W	4000K	24°	695	82	2198
GL07D60X30	8.5W	3000K	60°	695	82	550
GL07D38X30	8.5W	3000K	38°	695	82	1620
GL07D24X30	8.5W	3000K	24°	695	82	2198

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	220-240V	-	No	2	-	-


ACCESSORIES


Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick waterproof connector	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Marine-grade stainless steel 316 for long-lasting durability

Frosted effect for softer tone of light

Straight to mains

Installation tube included

10mm toughened glass, ideal for use in driveways



GL007 Frosted

8W, 100lm frosted LED drive over ground / marker light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Tilttable	N/A
Walk over / drive over	Drive over (15mph maximum)
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	10.7A 0.7ms
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Weight	2.7Kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL007 FROSTED NW	8W	4000K	120°	101	13	43
GL007 FROSTED WW	8W	3000K	120°	96	12	33

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

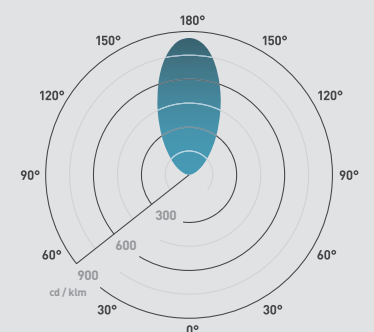
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	-	No	2	-	-

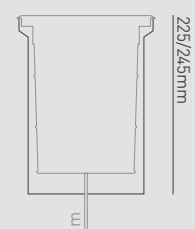
ACCESSORIES

Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick waterproof connector	Sold separately	446

Beam angle: 120°



Ø185/180mm



Ground lights.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Ideal for commercial and residential lighting, drive ways, perimeters and large trees

Straight to mains connection

Withstand any weather conditions with an IP67 rating

196mm cut out

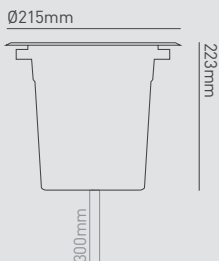
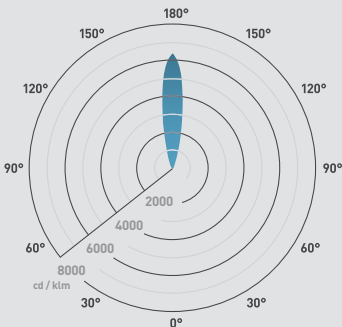
High intensity of light with 6200 lux at 1m

A narrow beam angle of 20° for a more focused light

Low glare UGR <10

Marine-grade stainless steel 316 for long-lasting durability

Beam angle: 20°



GL06

21W, 970lm straight to mains drive over ground light

FEATURES

IP rating	IP67
IK rating	IK08
Colour flexibility	Fixed colour
Tilttable	N/A
Walk over / drive over	Drive over
Input	220-240V
LED lifetime	30,000hrs L70 B10
CRI	>80Ra
SDCM	<4

INSTALLATION INFORMATION

Cut out size	Ø 196mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	10A 0.5ms
Construction material	Stainless steel 316 (cover ring) / Aluminium (body)
Weight	3.7kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL06X30	21W	3000K	20°	970	46	6203

WIRING INFORMATION

Cable / flying lead	300mm H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	N/A	N/A	N/A	N/A	N/A


ACCESSORIES


JB5	Gel filled waterproof connector	Sold separately	447
WCR375BLACK	3-core rubber cable	Sold separately	447

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Perfect for exterior use with IP67 rating

Straight to mains connection

117mm cut out diameter

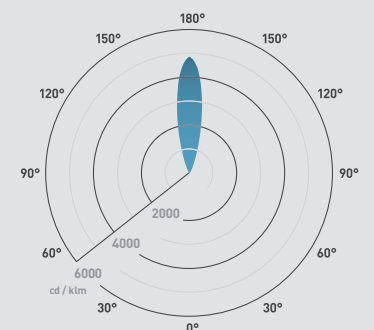
A narrow beam angle of 20° for a more focused light

High impact rating of IK08

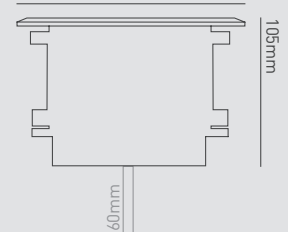
High light output of 610 lumens

Low glare UGR <10

Beam angle: 20°



Ø125mm



GL045

8W, 610lm walk over ground light

FEATURES

IP rating	IP67
IK rating	IK08
Colour flexibility	Fixed colour
Tilttable	N/A
Walk over / drive over	Walk over
Input	220-240V
LED lifetime	30,000hrs L70 B10
CRI	>80Ra
SDCM	<6

INSTALLATION INFORMATION

Cut out size	Ø 117mm
Bathroom zone	2
Suitable for coastal areas	No
Inrush current	20A 0.5ms
Construction material	Stainless steel 304 (cover ring) / Aluminium (body)
Weight	917g
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL045X30	8.1W	3000K	20°	610	75	2924

WIRING INFORMATION

Cable / flying lead	160mm H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	220-240V	N/A	N/A	N/A	N/A	N/A


ACCESSORIES


Installation Tube	Included	
JB5	IP68 waterproof connector	Sold Separately 447
WCR375BLACK	3-core rubber cable	Sold Separately 447




Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

High light output of up to 400lm

Robust cable for outdoor use

Marine-grade stainless steel 316 for long-lasting durability



GL090

7W, 400lm LED ground light

FEATURES

IP rating	IP68
IK rating	IK09
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel [316]
Weight	800g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL090 F NW	7W	4000K	20°	400	57	2594
GL090 S NW	7W	4000K	12°	400	57	4590
GL090 F WW	7W	3000K	20°	320	46	2076
GL090 S WW	7W	3000K	12°	320	46	3671
GL090 F 27	7W	2700K	20°	310	44	2011
GL090 S 27	7W	2700K	12°	310	44	3556
GL090 F BL	7W	Blue	20°	43	6	493
GL090 S BL	7W	Blue	12°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

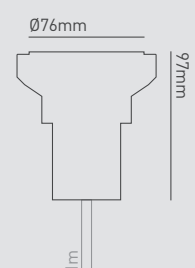
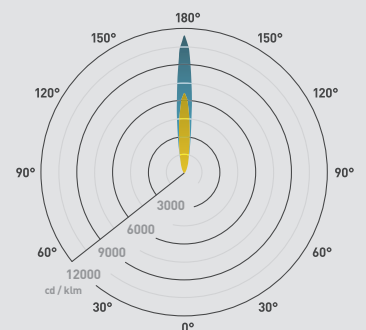
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP70018W	220-240V	Yes	No	1	1	2
PLD UNI-DRIVE 700mA	110-240V	Yes	Yes (1-10V)	1	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES




JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
GLA01	Square adaptor plate	Sold Separately	221

Beam angle: 12° 20°



Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Single LED and lens combination for maximum efficiency and optimal light distribution

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Marine grade stainless steel 316

Long lifetime of 70,000hrs



GL040 SPS

Up to 4.6W, 530lm ground light

FEATURES

IP rating	IP68
IK rating	IK08
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 70mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	818g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL040DWBX40	2.2W (350mA) 4.6W (700mA)	4000K	40°	310	141	600	530	115	1027
GL040DNBX40	2.2W (350mA) 4.6W (700mA)	4000K	12°	310	141	3310	530	115	5659
GL040DWBX30	2.2W (350mA) 4.6W (700mA)	3000K	40°	300	136	581	520	113	1008
GL040DNBX30	2.2W (350mA) 4.6W (700mA)	3000K	12°	300	136	3203	520	113	5552
GL040DWBX27	2.2W (350mA) 4.6W (700mA)	2700K	40°	290	132	562	515	112	998
GL040DNBX27	2.2W (350mA) 4.6W (700mA)	2700K	12°	290	132	3096	515	112	5499

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

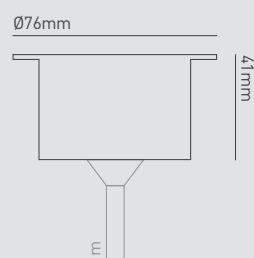
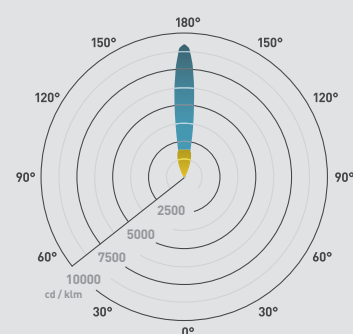
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	4
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	8
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	1	1	7

See pages 432-443 for complete LED driver offer

ACCESSORIES


JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
GLA01	Square adaptor plate	Sold Separately	221


Beam angle: 12° 40°




Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

A stylish, baffled ground light

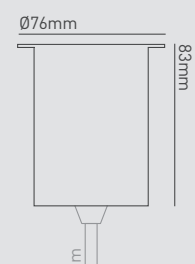
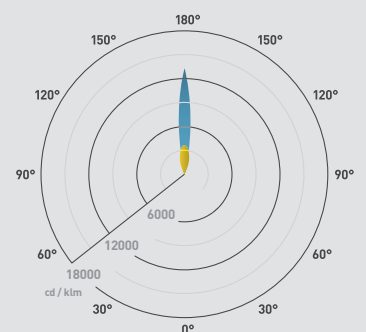
Perfect for both interior and exterior applications

Compliments environments with ultra low glare up-lighting effect

Can also be powered by a 700mA low voltage driver if more light is needed.

Marine-grade stainless steel 316

Beam angle: 12° 34°



GL040 Ultra low-glare

2W, 215lm ground light

FEATURES

IP rating	IP68
IK rating	IK08
Colour flexibility	Fixed colour
UGR	<10
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 70mm
Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel [316]
Weight	818g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL040DMBL40	2W	4000K	34°	215	108	694
GL040DNBL40	2W	4000K	12°	215	108	2891
GL040DMBL30	2W	3000K	34°	208	104	671
GL040DNBL30	2W	3000K	12°	208	104	2797
GL040DMBL27	2W	2700K	34°	200	100	645
GL040DNBL27	2W	2700K	12°	200	100	2689

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	4
PLR/350 1-5	220-240V	Yes	No	0	1	3
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	8




See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Single LED and lens combination for maximum efficiency and optimal light distribution.

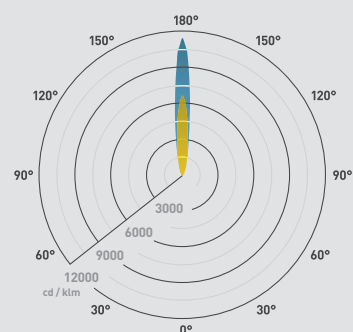
Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Robust cable for outdoor use

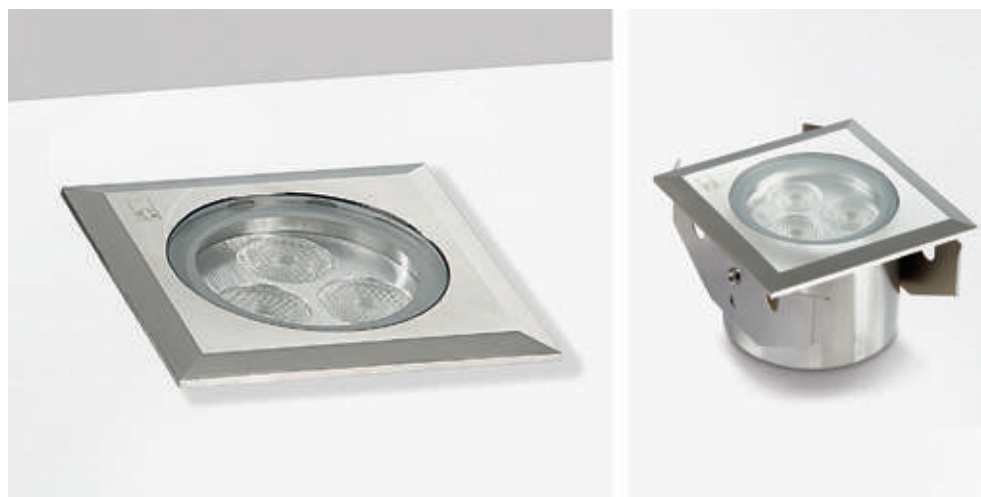
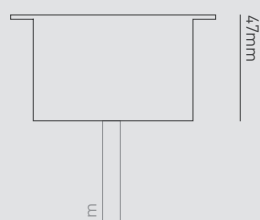
Marine grade stainless steel 316

Long lifetime of 70,000hrs

Beam angle: 12° 20°



76x76mm



GL041

3W, 200lm ground light

FEATURES

IP rating	IP68
IK rating	IK08
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	760g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL041 F NW	3W (350mA) 6W (700mA)	4000K	20°	200	67	1800	450	75	5163
GL041 S NW	3W (350mA) 6W (700mA)	4000K	12°	200	67	4500	450	75	6486
GL041 F WW	3W (350mA) 6W (700mA)	3000K	20°	160	53	1253	440	73	2853
GL041 S WW	3W (350mA) 6W (700mA)	3000K	12°	160	53	3210	440	73	5049

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLR/350 1-5	220-240V	Yes	No	0	1	1
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	1	1	3


See pages 432-443 for complete LED driver offer


ACCESSORIES


JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Single LED and lens combination for maximum efficiency and optimal light distribution

Straight to mains

Marine grade stainless steel 316

Long lifetime of 70,000hrs



GL038

2.9W, 300lm ground light

FEATURES

IP rating	IP67
IK rating	IK08
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 80-85mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	60A 0.037ms
Construction material	Stainless Steel 316 (top) / Aluminium (body)
Weight	696g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL038DWBM40	2.9W	4000K	40°	300	103	563
GL038DWBM30	2.9W	3000K	40°	290	100	544
GL038DWBM27	2.9W	2700K	40°	280	96	526

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

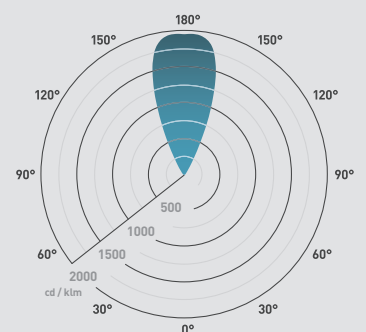
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

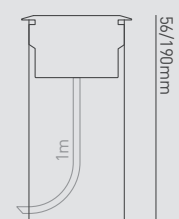
ACCESSORIES

Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick release waterproof joint	Sold separately	446

Beam angle: 40°






Ø98mm



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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

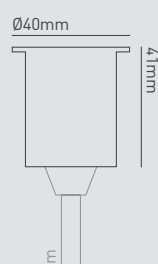
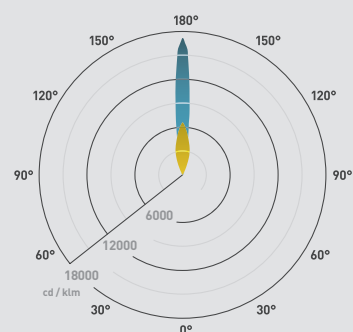
Compact yet powerful fitting

Shallow depth for easy installation

Robust cable for outdoor use

Marine-grade stainless steel 316

Beam angle: 12° 38°



GL019

Up to 2W, 180lm mini ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	204g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL019 F NW	1W (350mA) 2W (700mA)	4000K	38°	100	100	356	180	90	641
GL019 S NW	1W (350mA) 2W (700mA)	4000K	12°	100	100	1543	180	90	3087
GL019 F WW	1W (350mA) 2W (700mA)	3000K	38°	90	90	320	150	75	534
GL019 S WW	1W (350mA) 2W (700mA)	3000K	12°	90	90	1543	150	75	2572
GL019 F 27	1W (350mA) 2W (700mA)	2700K	38°	80	80	285	130	65	463
GL019 S 27	1W (350mA) 2W (700mA)	2700K	12°	80	80	1372	130	65	2229
GL019 F AMBER	1W (350mA) 2W (700mA)	Amber	38°	20	20	88	-	-	-
GL019 S AMBER	1W (350mA) 2W (700mA)	Amber	12°	20	20	407	-	-	-
GL019 F BLUE	1W (350mA) 2W (700mA)	Blue	38°	10	10	66	25	13	88
GL019 S BLUE	1W (350mA) 2W (700mA)	Blue	12°	10	10	509	25	13	407
GL019 F GREEN	1W (350mA) 2W (700mA)	Green	38°	80	80	352	120	60	528
GL019 S GREEN	1W (350mA) 2W (700mA)	Green	12°	80	80	1630	120	60	2444
GL019 F RED	1W (350mA) 2W (700mA)	Red	38°	35	35	154	-	-	-
GL019 S RED	1W (350mA) 2W (700mA)	Red	12°	35	35	712	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLU/700 3-9	220-240V	Yes	No	1	3	9


See pages 432-443 for complete LED driver offer


ACCESSORIES


JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

A stylish, baffled mini ground light

Perfect for both interior and exterior applications

Compliments environments with ultra low glare up-lighting effect

Can also be powered by a 700mA low voltage driver if more light is needed

Marine-grade stainless steel 316



GL019 Ultra low-glare

1W, 78lm mini ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
UGR	<10
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel [316]
Weight	260g
Maximum ambient temperature	50°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
GL019DMBL40	1W	4000K	30°	68	68	125
GL019DNBL40	1W	4000K	12°	78	78	2369
GL019DMBL30	1W	3000K	30°	64	64	25
GL019DNBL30	1W	3000K	12°	74	74	1324
GL019DMBL27	1W	2700K	30°	60	60	24
GL019DNBL27	1W	2700K	12°	70	70	1292

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

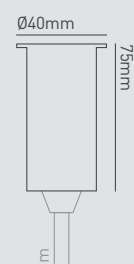
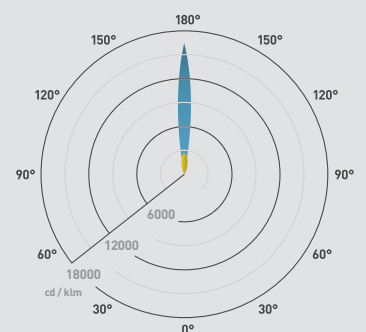
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10

See pages 432-443 for complete LED driver offer

ACCESSORIES




JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Beam angle: 12° 30°



Ground lights.

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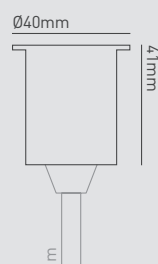
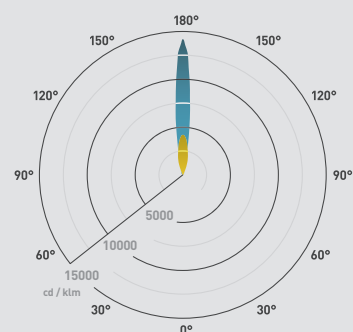
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Compact yet powerful fitting
Shallow depth for easy installation
Robust cable for outdoor use
Built-in glare reducing honeycomb baffle
Can also be powered by a 700mA low voltage driver if more light is needed
Marine-grade stainless steel 316

Beam angle: 12° 30°



GL019 LG

1W, 65lm mini low glare ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
UGR	<10
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	204g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL019LGFNW	1W	4000K	30°	65	65	262
GL019LGSNW	1W	4000K	12°	65	65	908
GL019LGFWW	1W	3000K	30°	55	55	222
GL019LGSWW	1W	3000K	12°	55	55	768
GL019LGF27	1W	2700K	30°	53	53	214
GL019LGS27	1W	2700K	12°	53	53	740

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



GL019 Frosted

1W, 13lm frosted mini ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	196g
Maximum ambient temperature	50°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL019DC0F40	1W	4000K	100°	13	13	5
GL019DC0F30	1W	3000K	100°	11	11	4
GL019DC0F27	1W	2700K	100°	10	10	4
GL019DC0FBL	1W	Blue	100°	2	2	0

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Frosted effect for softer light

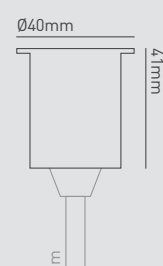
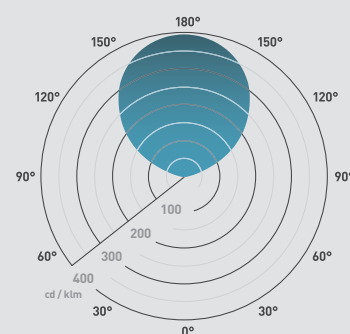
Robust cable for outdoor use

Shallow depth for easy installation

Can also be powered by a 700mA low voltage driver if more light is needed

Marine-grade stainless steel 316

Beam angle: 100°







GL019 SQ

Up to 2W, 130lm square mini ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel [316]
Weight	134g
Maximum ambient temperature	50°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL019 SQ F NW	1W (350mA) 2W (700mA)	4000K	20°	90	90	396	130	65	572
GL019 SQ S NW	1W (350mA) 2W (700mA)	4000K	12°	90	90	1833	130	65	2648
GL019 SQ F WW	1W (350mA) 2W (700mA)	3000K	20°	80	80	353	125	63	551
GL019 SQ F BLUE	1W (350mA) 2W (700mA)	Blue	20°	10	10	44	20	10	88
GL019 SQ S BLUE	1W (350mA) 2W (700mA)	Blue	12°	10	10	204	20	10	407

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

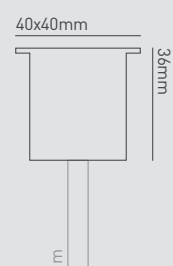
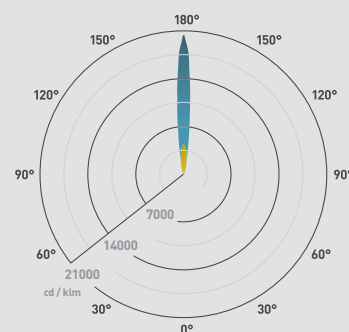
Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Shallow depth for easy installation

Square fascia for a different decorative effect




Marine-grade stainless steel 316

Beam angle: 12° 20°



Ground lights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

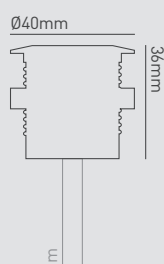
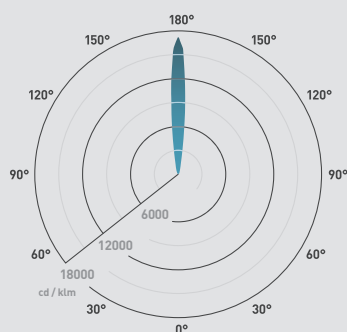
Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Incorporated thread and nut for secure fitting into panels, walls or ceilings

Shallow depth for easy installation

Marine-grade stainless steel 316

Beam angle: 12°



GL019 S T

Up to 2W, 130lm mini threaded ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 32mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	140g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL019 S T NW	1W (350mA) 2W (700mA)	4000K	12°	90	90	1833	130	65	2648
GL019 S T WW	1W (350mA) 2W (700mA)	3000K	12°	80	80	1629	125	63	2545
GL019 S T BLUE	1W (350mA) 2W (700mA)	Blue	12°	10	10	204	20	10	407

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



GL019 S TK

Up to 2W, 130lm mini threaded kit ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 37mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel [316]
Weight	304g
Maximum ambient temperature	50°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL019 S TK NW	1W (350mA) 2W (700mA)	4000K	12°	90	90	1833	130	65	2648
GL019 S TK BLUE	1W (350mA) 2W (700mA)	Blue	12°	10	10	204	20	10	407

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

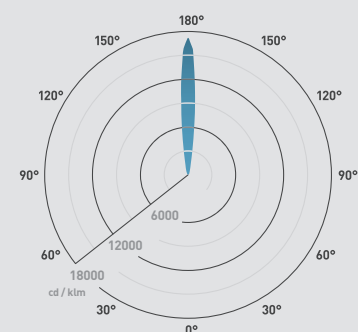
Theft/vandal-proof. Threaded body fits securely into supplied aluminium tube using tightening key

Aluminium tube for secure installation in concrete or soft ground environments

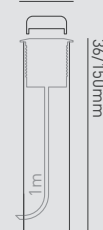
Low profile waterproof ground light. Ideal for decking or by swimming pools

Marine-grade stainless steel 316

Beam angle: 12°






Ø40/37mm



Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

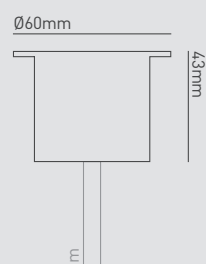
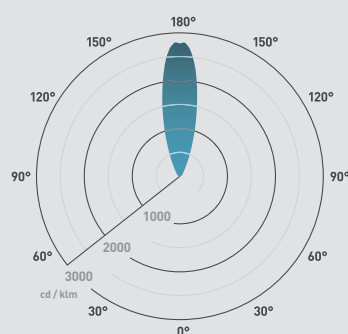
Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Robust cable for outdoor use

Shallow depth for easy installation

marine grade stainless steel 316

Beam angle: 26°



GL016

1W, 95lm ground light

FEATURES

IP rating	IP68
IK rating	IK09
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 50mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL016 F NW	1W (350mA) 2W (700mA)	4000K	26°	95	95	267	140	70	393
GL016 F WW	1W (350mA) 2W (700mA)	3000K	26°	75	75	210	135	68	379
GL016 F 27	1W (350mA) 2W (700mA)	2700K	26°	70	70	196	120	60	337
GL016 F AMBER	1W (350mA) 2W (700mA)	Amber	26°	-	-	-	-	-	-
GL016 F BLUE	1W (350mA) 2W (700mA)	Blue	26°	20	20	28	20	10	56
GL016 F GREEN	1W (350mA) 2W (700mA)	Green	26°	75	75	211	110	55	310
GL016 F RED	1W (350mA) 2W (700mA)	Red	26°	-	-	-	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

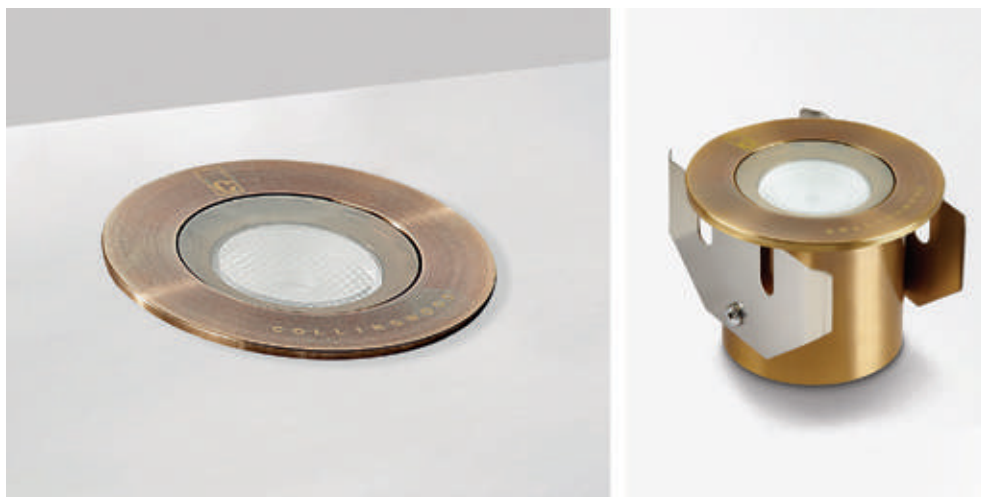
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/50	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



GL016 F AB

1W, 95lm ground light

FEATURES

IP rating	IP68
IK rating	IK09
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

Cut out size	Ø 50mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Brass
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL016 F AB NW	1W (350mA) 2W (700mA)	4000K	26°	95	95	267	140	70	393
GL016 F AB WW	1W (350mA) 2W (700mA)	3000K	26°	75	75	210	135	68	379
GL016 F AB 27	1W (350mA) 2W (700mA)	2700K	26°	70	70	196	120	60	337
GL016 F AB AMBER	1W (350mA) 2W (700mA)	Amber	26°	-	-	-	-	-	-
GL016 F AB BLUE	1W (350mA) 2W (700mA)	Blue	26°	20	20	28	20	10	56
GL016 F AB GREEN	1W (350mA) 2W (700mA)	Green	26°	75	75	211	110	55	310
GL016 F AB RED	1W (350mA) 2W (700mA)	Red	26°	-	-	-	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/50	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

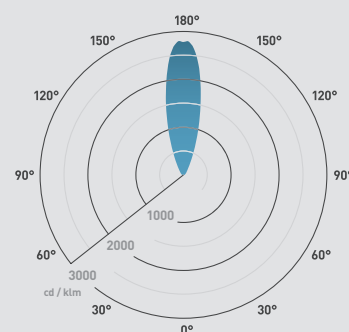
Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Robust cable for outdoor use

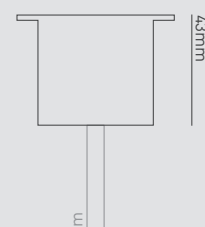
Shallow depth for easy installation

Solid brass with antique effect

Beam angle: 26°






Ø60mm



Ground lights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Robust cable for outdoor use

Shallow depth for easy installation

Marine grade stainless steel 316



GL016 SQ

1W, 95lm square ground light

FEATURES

IP rating	IP68
IK rating	IK09
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 50mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
GL016 SQ NW	1W (350mA) 2W (700mA)	4000K	26°	95	95	267	140	70	381
GL016 SQ WW	1W (350mA) 2W (700mA)	3000K	26°	75	75	210	135	68	379
GL016 SQ 27	1W (350mA) 2W (700mA)	2700K	26°	70	70	196	120	60	337
GL016 SQ BLUE	1W (350mA) 2W (700mA)	Blue	26°	20	20	28	20	10	56

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

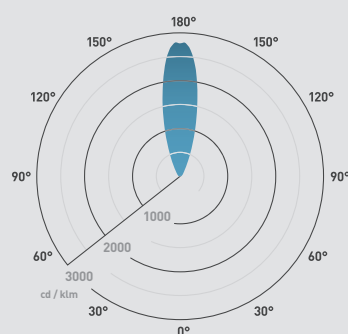
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

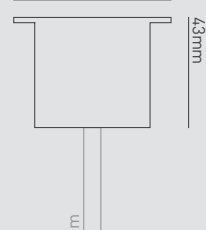
ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/50	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Beam angle: 26°



60x60mm





GL016 Frosted

1W, 15lm ground marker light

FEATURES

IP rating	IP68
IK rating	IK09
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA / 700mA
LED lifetime	70,000h L70, B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 50mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL016DC0F40	1W	4000K	100°	15	15	5
GL016DC0F30	1W	3000K	100°	13	13	5
GL016DC0F27	1W	2700K	100°	12	12	4

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/50	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Frosted effect for softer light

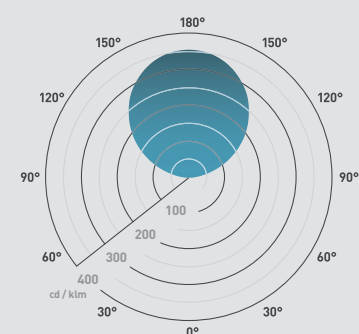
Robust cable for outdoor use

Shallow depth for easy installation

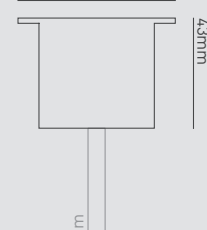
Can also be powered by a 700mA low voltage driver if more light is needed

Marine grade stainless steel 316

Beam angle: 100°






Ø60mm



Ground lights.

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GUARANTEE / WARRANTY

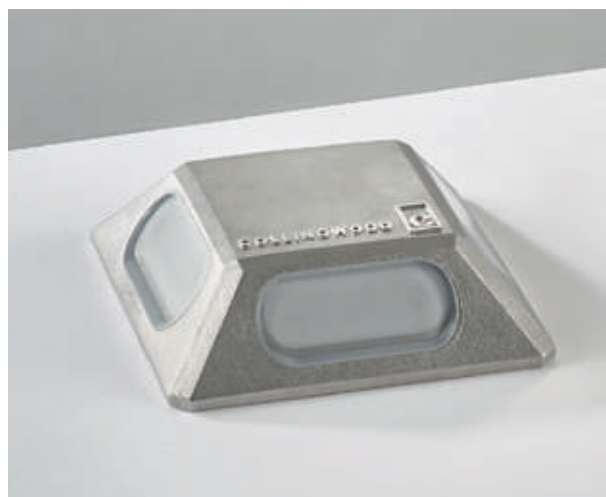
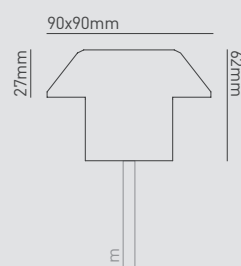
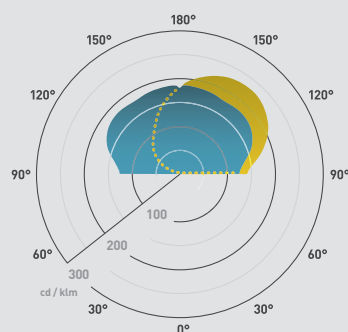
7 year extended warranty

FEATURES & BENEFITS

Cast stainless steel for aged effect

Raised profile sending light in three directions

Beam angle: **C0/C180** **C90/C270**



GL063

3W, 45lm 3 way ground light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Walk over / drive over	No
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 55mm
Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Cast stainless steel (316)
Weight	1.165Kg
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	lm	lm/W	lx at 1m
GL063	3W	3000K	45	15	9
GL063 27	3W	2700K	44	15	9

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	7
PLR/350 1-5	220-240V	Yes	No	1	1	1
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	2	1	3


See pages 432-443 for complete LED driver offer


ACCESSORIES


JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447

Ground lights.

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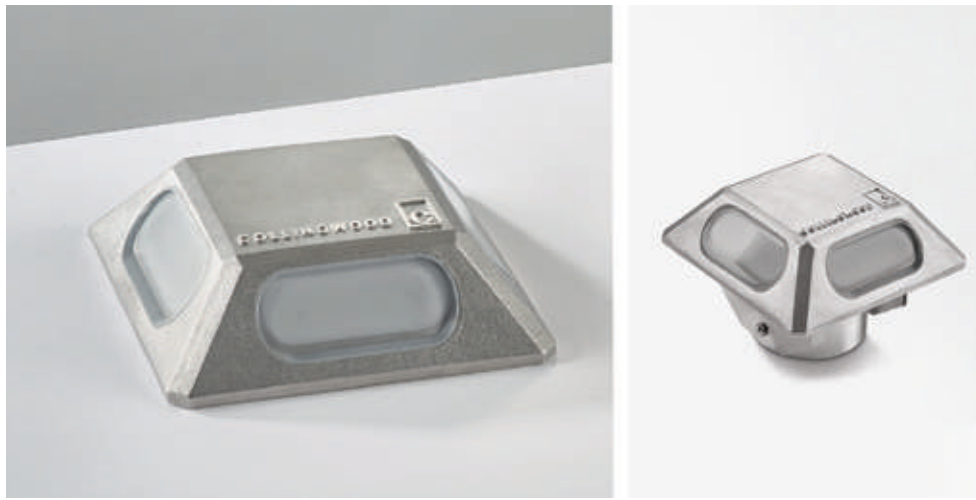
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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Cast stainless steel for aged effect
Raised profile sending light in four directions



GL064

4W, 65lm 4 way marker light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Walk over / drive over	No
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 55mm
Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Cast stainless steel (316)
Weight	1.165Kg
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	lm	lm/W	lx at 1m
GL064	4W	3000K	65	16	9
GL064 27	4W	2700K	63	16	9

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

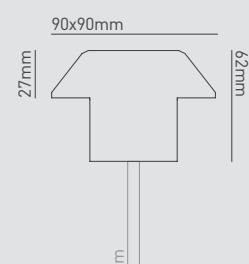
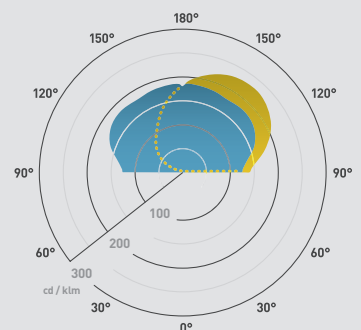
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLR/350 1-5	220-240V	Yes	No	1	1	1
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	2	1	2

See pages 432-443 for complete LED driver offer

ACCESSORIES




JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447

Beam angle: C0/C180 C90/C270



Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Walk over - perfect for foot traffic areas such as paths and steps

Marine-grade stainless steel 316

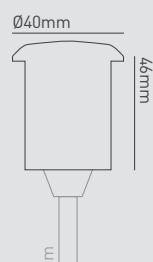
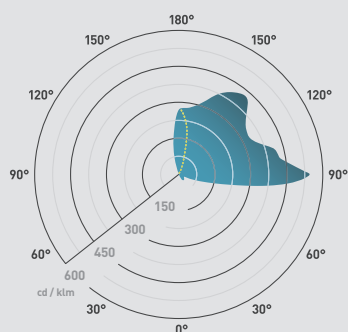
IP68 rated

Long-lifetime of 70,000hrs

Low power consumption of 1-2W

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Beam angle: 75°



GL100 (1 window - 2 windows)

Up to 2W, 14lm mini domed marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	221g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Window style	Wattage	Colour	Beam angle	350mA		700mA	
					lm	lm/W	lm	lm/W
GL100DX1X40	1 window	1W (350mA) 2W (700mA)	4000K	75°	3	3	4	2
GL100DX1X30	1 window	1W (350mA) 2W (700mA)	3000K	75°	2	2	4	2
GL100DX1X27	1 window	1W (350mA) 2W (700mA)	2700K	75°	2	2	3	2
GL100DX2140	2 windows, 1 direction	1W (350mA) 2W (700mA)	4000K	75°	6	6	7	4
GL100DX2130	2 windows, 1 direction	1W (350mA) 2W (700mA)	3000K	75°	4	4	8	4
GL100DX2127	2 windows, 1 direction	1W (350mA) 2W (700mA)	2700K	75°	4	4	6	3
GL100DX2240	2 windows, 2 directions	1W (350mA) 2W (700mA)	4000K	75°	6	6	7	4
GL100DX2230	2 windows, 2 directions	1W (350mA) 2W (700mA)	3000K	75°	4	4	8	4
GL100DX2227	2 windows, 2 directions	1W (350mA) 2W (700mA)	2700K	75°	4	4	6	3

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	447

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Walk over - perfect for foot traffic areas such as paths and steps

Marine-grade stainless steel 316

IP68 rated

Long-lifetime of 70,000hrs

Low power consumption of 1-2W

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output



GL100 (3 windows - 4 windows)

Up to 2W, 14lm mini domed marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	215g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Window style	Wattage	Colour	Beam angle	350mA		700mA	
					lm	lm/W	lm	lm/W
GL100DX3X40	3 windows	1W (350mA) 2W (700mA)	4000K	75°	9	9	11	5
GL100DX3X30	3 windows	1W (350mA) 2W (700mA)	3000K	75°	6	6	12	6
GL100DX3X27	3 windows	1W (350mA) 2W (700mA)	2700K	75°	6	6	9	5
GL100DX4X40	4 windows	1W (350mA) 2W (700mA)	4000K	75°	12	12	14	7
GL100DX4X30	4 windows	1W (350mA) 2W (700mA)	3000K	75°	8	8	14	7
GL100DX4X27	4 windows	1W (350mA) 2W (700mA)	2700K	75°	8	8	12	6

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

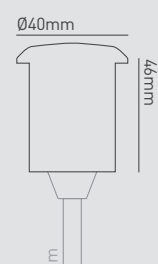
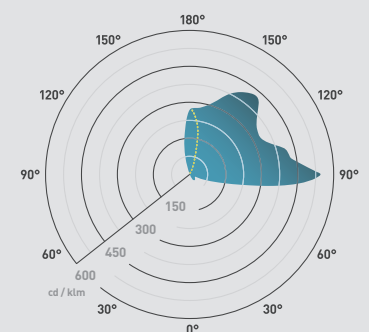
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

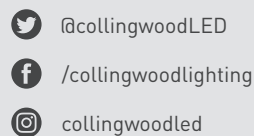
JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	447

Beam angle: 75°



Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Walk over - perfect for foot traffic areas such as paths and steps

Antique brass finish

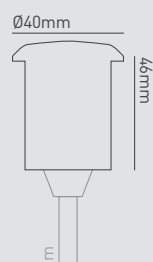
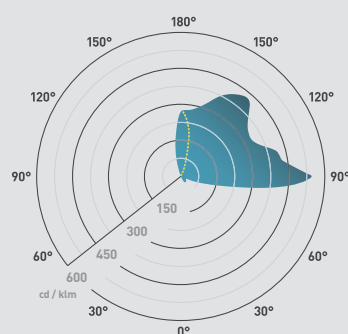
IP68 rated

Long-lifetime of 70,000hrs

Low power consumption of 1-2W

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output

Beam angle: 75°



GL100 (1 window - 2 windows)

Up to 2W, 14lm mini domed marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Brass
Weight	236g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Window style	Wattage	Colour	Beam angle	350mA		700mA	
					lm	lm/W	lm	lm/W
GL100AX1X30	1 window	1W (350mA) 2W (700mA)	3000K	75°	2	2	4	2
GL100AX1X27	1 window	1W (350mA) 2W (700mA)	2700K	75°	2	2	3	2
GL100AX2130	2 windows, 1 direction	1W (350mA) 2W (700mA)	3000K	75°	4	4	8	4
GL100AX2127	2 windows, 1 direction	1W (350mA) 2W (700mA)	2700K	75°	4	4	6	3
GL100AX2230	2 windows, 2 directions	1W (350mA) 2W (700mA)	3000K	75°	4	4	8	4
GL100AX2227	2 windows, 2 directions	1W (350mA) 2W (700mA)	2700K	75°	4	4	6	3

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	447

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Walk over - perfect for foot traffic areas such as paths and steps

Antique brass finish

IP68 rated

Long-lifetime of 70,000hrs

Low power consumption of 1-2W

Can be powered by either a 350mA or 700mA low voltage driver, depending on desired light output



GL100 (3 windows - 4 windows)

Up to 2W, 14lm mini domed marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 33mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Brass
Weight	228g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Window style	Wattage	Colour	Beam angle	350mA		700mA	
					lm	lm/W	lm	lm/W
GL100AX3X30	3 windows	1W (350mA) 2W (700mA)	3000K	75°	6	6	12	6
GL100AX3X27	3 windows	1W (350mA) 2W (700mA)	2700K	75°	6	6	9	5
GL100AX4X30	4 windows	1W (350mA) 2W (700mA)	3000K	75°	8	8	14	7
GL100AX4X27	4 windows	1W (350mA) 2W (700mA)	2700K	75°	8	8	12	6

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

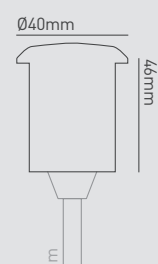
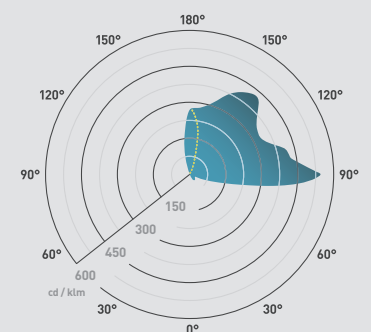
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	10
PLU/700 3-9	220-240V	Yes	No	1	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES




JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE332	Installation tube	Sold separately	220
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	447

Beam angle: 75°



Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Straight to mains

Large diameter

Drive over up to 18kN (approx. a 7 ton vehicle) - use with TUBE/68

Marine grade stainless steel 316

Long lifetime of 70,000hrs



GL200 (1 window - 2 windows)

5.7W, 40lm, domed ground light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Walk over / drive over	Drive over (15mph maximum)
Input	Mains AC
LED lifetime	70,000h L70
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	31A 0.12ms
Construction material	Stainless steel (316)
Weight	960g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Window style	Wattage	Colour	Beam angle	lm	lm/W
GL200DX1X40	1 window	5.7W	4000K	90°	10	2
GL200DX1X30	1 window	5.7W	3000K	90°	10	2
GL200DX1X27	1 window	5.7W	2700K	90°	10	2
GL200DX2140	2 windows, 1 direction	5.7W	4000K	90°	20	4
GL200DX2130	2 windows, 1 direction	5.7W	3000K	90°	20	4
GL200DX2127	2 windows, 1 direction	5.7W	2700K	90°	20	4
GL200DX2240	2 windows, 2 directions	5.7W	4000K	90°	20	4
GL200DX2230	2 windows, 2 directions	5.7W	3000K	90°	20	4
GL200DX2227	2 windows, 2 directions	5.7W	2700K	90°	20	4

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

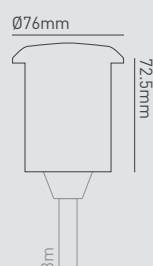
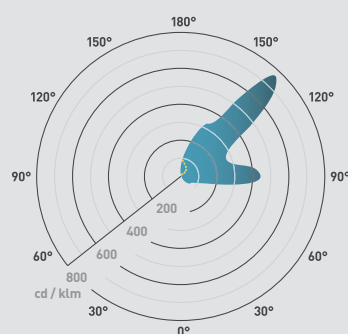
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

TUBE/68	Installation tube	Sold separately	220
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick waterproof connector	Sold separately	446

Beam angle: 90°





GL200 (3 windows - 4 windows)

5.7W, 40lm, domed ground light

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	Fixed colour
Walk over / drive over	Drive over (15mph maximum)
Input	Mains AC
LED lifetime	70,000h L70
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	31A 0.12ms
Construction material	Stainless steel (316)
Weight	940g
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Window style	Wattage	Colour	Beam angle	lm	lm/W
GL200DX3X40	3 windows	5.7W	4000K	90°	30	5
GL200DX3X30	3 windows	5.7W	3000K	90°	30	5
GL200DX3X27	3 windows	5.7W	2700K	90°	30	5
GL200DX4X40	4 windows	5.7W	4000K	90°	40	7
GL200DX4X30	4 windows	5.7W	3000K	90°	40	7
GL200DX4X27	4 windows	5.7W	2700K	90°	40	7

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

TUBE/68	Installation tube	Sold separately	220
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick waterproof connector	Sold separately	446

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Straight to mains

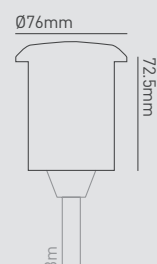
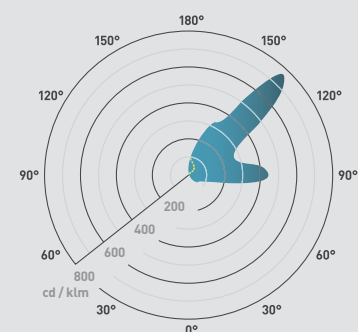
Large diameter

Drive over up to 18kN (approx. a 7 ton vehicle) - use with TUBE/68

Marine grade stainless steel 316




Long lifetime of 70,000hrs

Beam angle: 90°



Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

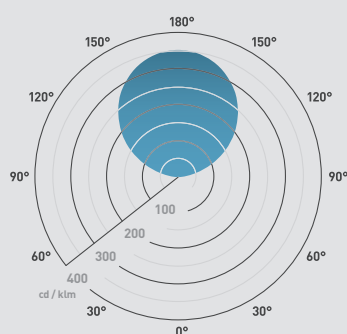
FEATURES & BENEFITS

Frosted effect for softer tone of light

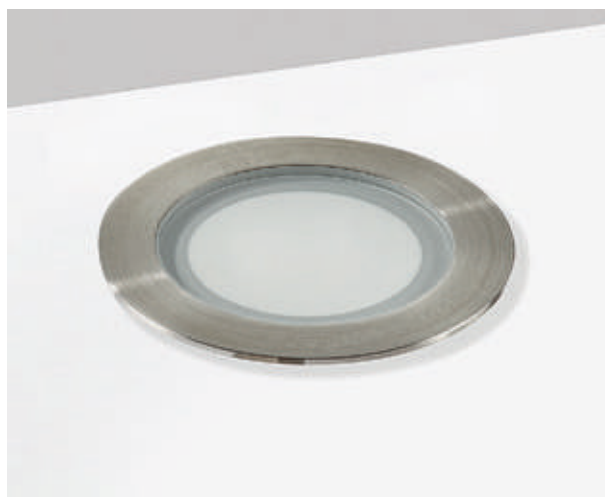
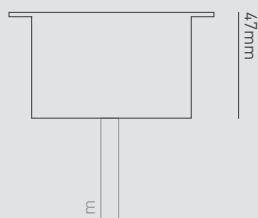
Robust cable for outdoor use

Brushed steel finish for sleek effect

Beam angle: 100°



Ø76mm



GL050

3W, 50lm round marker ground light

FEATURES

IP rating	IP68
IK rating	IK08
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	552g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL050 NW	3W	4000K	100°	50	17	20
GL050 WW	3W	3000K	100°	46	15	16
GL050 27	3W	2700K	100°	46	15	16
GL050 BLUE	3W	Blue	100°	7	2	2

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

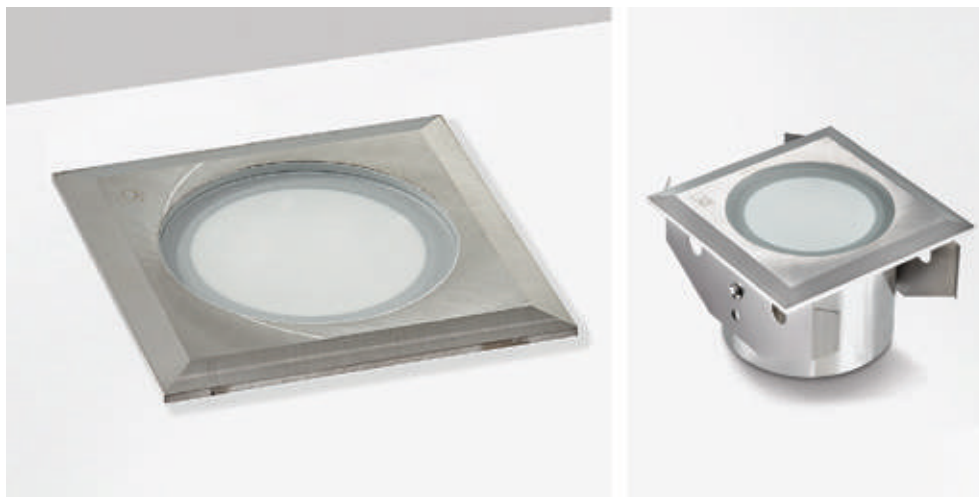
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLR/350 1-5	220-240V	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



GL051

3W, 50lm square marker ground light

FEATURES

IP rating	IP68
IK rating	IK08
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	600g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL051 NW	3W	4000K	100°	50	17	20
GL051 WW	3W	3000K	100°	46	15	16
GL051 BLUE	3W	Blue	100°	7	2	2

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLR/350 1-5	220-240V	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	1	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/68	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Ground lights.

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GUARANTEE / WARRANTY

7 year extended warranty

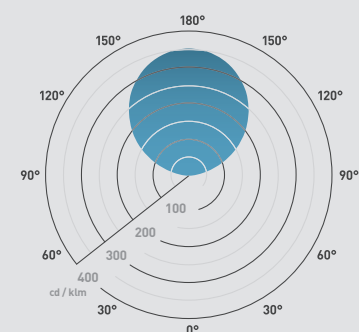
FEATURES & BENEFITS

Frosted effect for softer tone of light

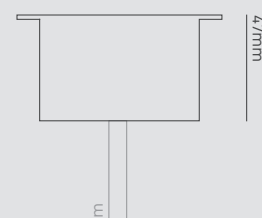
Robust cable for outdoor use

Brushed steel finish for sleek effect

Beam angle: 100°






76x76mm



Ground lights.

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GUARANTEE / WARRANTY

3 year extended warranty
[see "NEW" codes for 7 year extended warranty]

FEATURES & BENEFITS

Frosted effect for softer tone of light
Shallow depth for easy installation
Robust cable for outdoor use
Parallel wiring for easier installation and more fittings to a power supply
Stainless Steel 316 suitable for coastal areas



GL018 C

0.5W, 3lm mini round marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	24V DC
LED lifetime	30,000h L70 B10 NEW 70,000h L70 B10:
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 28mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL018 C NW	0.5W	4000K	120°	3	6	1
GL018 C WW NEW	0.4W	3000K	120°	4	10	1
GL018 C 27 NEW	0.4W	2700K	120°	4	10	1
GL018 C AMBER	0.5W	Amber	120°	-	-	-
GL018 C BLUE	0.5W	Blue	120°	1	2	1
GL018 C GREEN	0.5W	Green	120°	-	-	-
GL018 C RED	0.5W	Red	120°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS

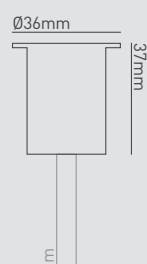
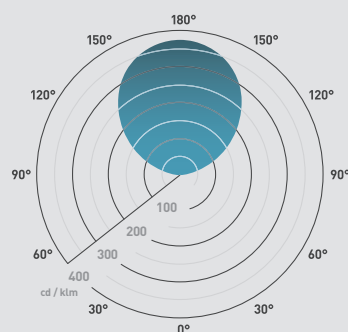
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS1524	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	220-240V	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB1 / JB5 / JB6	IP68 waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold separately	436

Beam angle: 120°





GL018 C AB

0.5W, 3lm mini antique brass marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	24V DC
LED lifetime	30,000h L70 B10 NEW 70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 28mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Brass
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
GL018 C AB NW	0.5W	4000K	120°	3	6	1
GL018 C AB WW NEW	0.4W	3000K	120°	4	10	1
GL018 C AB 27	0.5W	2700K	120°	3	6	1
GL018 C AB AMBER	0.5W	Amber	120°	-	-	-
GL018 C AB BLUE	0.5W	Blue	120°	-	-	-
GL018 C AB GREEN	0.5W	Green	120°	-	-	-
GL018 C AB RED	0.5W	Red	120°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS1524	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	220-240V	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB1 / JB5 / JB6	IP68 waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold separately	436

Ground lights.

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GUARANTEE / WARRANTY

3 year extended warranty
(see "NEW" codes for 7 year extended warranty)

FEATURES & BENEFITS

Frosted effect for softer tone of light

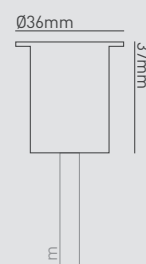
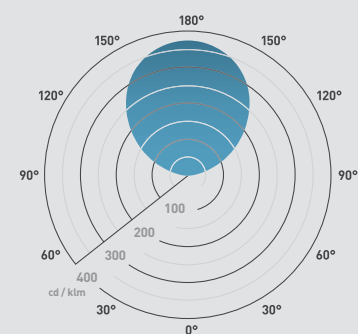
Robust cable for outdoor use

Shallow depth for easy installation

Solid brass for antique brass finish




Parallel wiring for easier installation and more fittings to a power supply

Beam angle: 120°



Ground lights.

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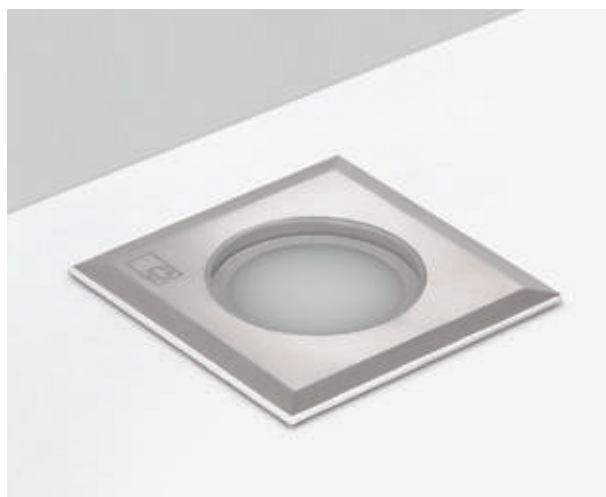
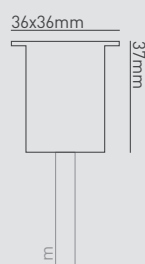
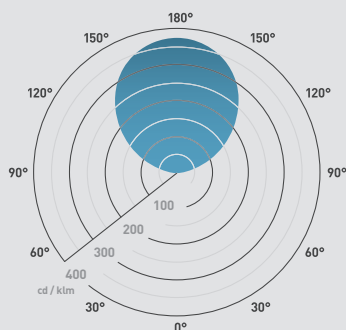
GUARANTEE / WARRANTY

3 year extended warranty
(see "NEW" codes for 7 year extended warranty)

FEATURES & BENEFITS

Frosted effect for softer tone of light
Shallow depth for easy installation
Robust cable for outdoor use
Square fascia for a different decorative effect
Parallel wiring for easier installation and more fittings to a power supply

Beam angle: 120°



GL018 SQ

0.5W, 3lm mini square marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	24V DC
LED lifetime	30,000h L70 B10 NEW 70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 28mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL018 SQ NW NEW	0.4W	4000K	120°	4	10	1
GL018 SQ WW	0.5W	3000K	120°	3	6	1
GL018 SQ BLUE	0.5W	Blue	120°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS1524	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	220-240V	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB1 / JB5 / JB6	IP68 waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold separately	436



GL018 T

0.5W, 3lm panel mount marker ground light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	24V DC
LED lifetime	30,000h
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 28mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel [316]
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL018 T NW	0.5W	4000K	120°	3	6	1
GL018 T BLUE	0.5W	Blue	120°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS1524	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	220-240V	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	220-240V	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB1 / JB5 / JB6	IP68 waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold separately	436

Ground lights.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

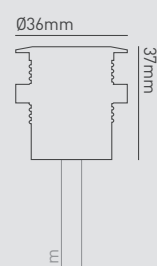
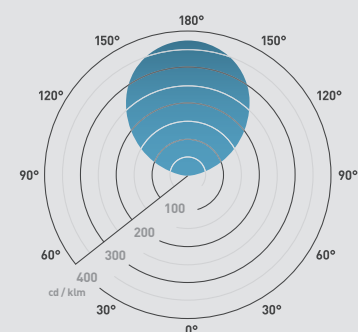
Frosted effect for softer tone of light

Incorporated thread and nut for secure fitting into panels, walls or ceilings

Robust cable for outdoor use

Parallel wiring for easier installation and more fittings to a power supply

Beam angle: 120°



Ground lights.

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GUARANTEE / WARRANTY

1 year guarantee

FEATURES & BENEFITS

- Use in concrete as shutter / formwork
- Use in slabs to retain soil / sand

TUBE332



TUBE/50



TUBE/68



Ø72mm

220



TUBE332 | TUBE/50 | TUBE/68

Installation tubes

INSTALLATION INFORMATION

Construction material	Anodised aluminium
Weight	TUBE332 - 142g TUBE/50 - 252g TUBE/68 - 362g

PRODUCT CODES

Product codes	Description
TUBE332	Ground light installation tube
TUBE/50	Ground light installation tube
TUBE/68	Ground light installation tube

USE WITH

TUBE332	TUBE50	TUBE68
GL019	GL016	GL040
GL019 Ultra low glare	GL016FAB	GL040 Ultra low glare
GL019LG	GL016RGBW	GL040CARGB
GL019SQ	GL016SQ	GL041
GL019 Frosted	GL016 Frosted	GL050
GL100	GL021	GL050RGBW
	GL022	GL051
		GL090
		GL090RGBW
		GL063
		GL064
		GL200



GLA01

Square plate accessory

INSTALLATION INFORMATION

Construction material	Stainless steel (316)
Weight	165g

PRODUCT CODES

Product codes	Description
GLA01	Ground Light Accessory, square plate, stainless steel 316, 65mm cut-out

USE WITH

GL040	LED ground light with single point source lens	190
GL040CARGB	Colour change LED ground light (3.5W max.)	414
GL040 Ultra low-glare	2W LED ground light	191
GL050	3W LED ground / marker light	214
GL050RGBW	Colour change LED ground / marker light (5W max.)	416
GL090	7W LED ground light	189
GL090RGBW	High output LED colour change ground light (12W max.)	413

Ground lights.

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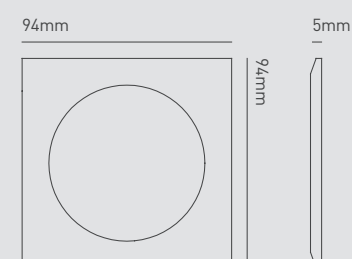
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Marine grade stainless steel 316

Transform round ground lights to square ground lights



Step lighting.

Functional and decorative

Step lights are the perfect solution for highlighting stairs and pathways. They are both functional and decorative whilst highlighting a potentially hazardous area in the dark.

Functional step lighting

Using lighting to highlight steps improves visual aesthetics and enhances safety, whilst adding an inviting glow to your space.

Considerations should be made for maintenance and glare when positioning lighting, ensuring ultimate visual appeal and added security knowing the walkway is correctly lit.



Low glare step lighting

The purpose of step lighting is to mark or highlight a particular area. As this type of lighting serves a functional purpose, it is important that the fittings do not cause any visual discomfort from glare.

Hooded

Using a hood over the light will restrict upwards light spill. This results in low visibility of the light source from above and will prevent glare to passers-by.



Asymmetric

An asymmetric light source will direct the light downwards, ensuring the stairway is illuminated without upwards glare, without the need of a hood. Eliminating the need for a hood allows these lights to also be used as ground lights.



Decorative step lighting

Step lights can be used to enhance your landscape, to amplify your overall lighting when entertaining and for commercial exterior lighting. Linking people and spaces together, highlighting steps can make a real difference.

Choose Collingwood's range of decorative step lighting which emit light from a decorative face-plate to transform your overall lighting design.



Round and square fittings

Choose between round and square fittings to achieve the ideal style for your installation.



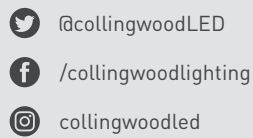
Highlight features as a ground light

The asymmetric beam of step lights makes them great for using as a ground light that directs its light onto a feature.



Step lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

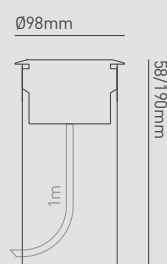
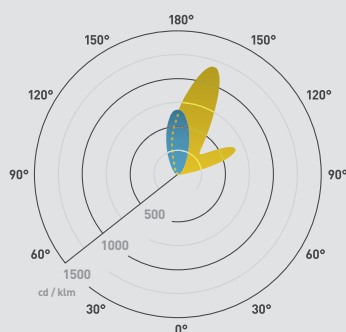
Recessed, asymmetric wall or ground light perfect for illuminating walls, steps and pathways

Straight to mains for easy retrofit

Available in rustic cast stainless steel and sleek brushed stainless steel finishes

Installation tube included

Plane: 50° C0/C180 50° C90/C270



WL339

Asymmetric, straight to mains, cast finish step light

FEATURES

IP rating	IP67
IK rating	N/A
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 80mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL339NW	2.6W	4000K	50°	59	22	65
WL339WW	2.6W	3000K	50°	50	19	54

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick release waterproof joint	Sold separately	446



WL340

Asymmetric, straight to mains, brush finish step light

FEATURES

IP rating	IP67
IK rating	N/A
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 80mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL340NW	2.6W	4000K	50°	59	22	65
WL340WW	2.6W	3000K	50°	50	19	54

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	-	No	2	-	-

ACCESSORIES

Installation tube	Included					
JB5	Gel filled waterproof connector	Sold separately			447	
WC 5-9	Quick release waterproof joint	Sold separately			446	

Step lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

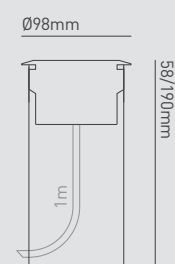
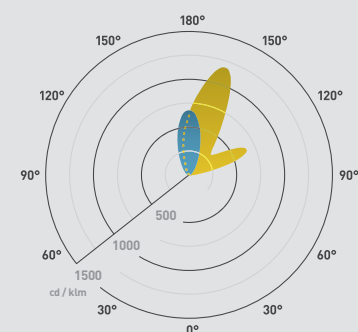
Recessed, asymmetric wall or ground light perfect for illuminating walls, steps and pathways

Straight to mains for easy retrofit

Available in rustic cast stainless steel and sleek brushed stainless steel finishes




Installation tube included

Plane: 50° C0/C180 50° C90/C270



Step lights.

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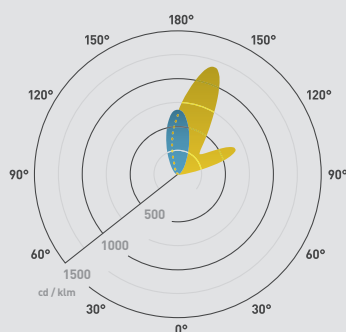
GUARANTEE / WARRANTY

7 year extended warranty

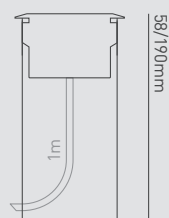
FEATURES & BENEFITS

Can be used as a wall light or ground light
Straight to mains for easy installation
Installation tube included
1m H05RN-F rubber cable attached for permanent use outdoors

Plane 50° C0/C180 50° C90/C270



98x98mm



WL341

Asymmetric, straight to mains, cast finish step light

FEATURES

IP rating	IP67
IK rating	N/A
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 80mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL341NW	2.6W	4000K	50°	59	22	65
WL341WW	2.6W	3000K	50°	50	19	54

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	-	No	2	-	-


ACCESSORIES


Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick release waterproof joint	Sold separately	446

Step lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Can be used as a wall light or ground light

Straight to mains for easy installation

Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

WL342

Asymmetric, straight to mains, brush finish step light

FEATURES

IP rating	IP67
IK rating	N/A
Colour flexibility	Fixed colour
Walk over / drive over	Walk over
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 80mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL342NW	2.6W	4000K	50°	59	22	65
WL342WW	2.6W	3000K	50°	50	19	54

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

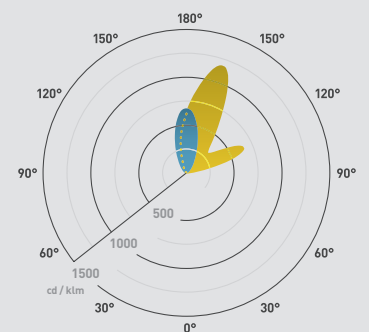
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	-	No	2	-	-

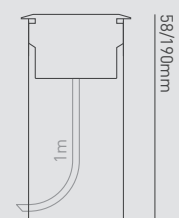
ACCESSORIES

Installation tube	Included	
JB5	Gel filled waterproof connector	Sold separately 447
WC 5-9	Quick release waterproof joint	Sold separately 446

Plane: 50° C0/C180 50° C90/C270






98x98mm



Step lights.

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GUARANTEE / WARRANTY

7 year extended warranty

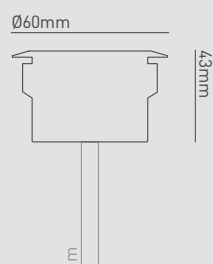
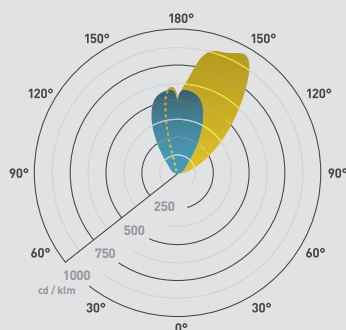
FEATURES & BENEFITS

Angled light, ideal for use as a step light

Robust cable for outdoor use

Brushed stainless steel for sleek effect

Plane: **C0/C180 C90/C270**



GL021

30° slotted LED ground / step light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 50mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	400g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL021 NW	1W	4000K	30°	10	10	10
GL021 WW	1W	3000K	30°	8	8	8
GL021 27	1W	2700K	30°	8	8	7
GL021 BLUE	1W	Blue	30°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	2	1	10


See pages 432-443 for complete LED driver offer


ACCESSORIES


JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/50	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Step lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Angled light, ideal for use as a step light

Cast stainless steel for aged effect

Robust cable for outdoor use



GL022

Square 30° slotted LED ground / step light

FEATURES

IP rating	IP68
IK rating	IK07
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 50mm
Bathroom zone	0
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	400g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL022 NW	1W	4000K	30°	10	10	10
GL022 WW	1W	3000K	30°	8	8	8
GL022 27	1W	2700K	30°	8	8	7
GL022 BLUE	1W	Blue	30°	-	-	-

WIRING INFORMATION

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

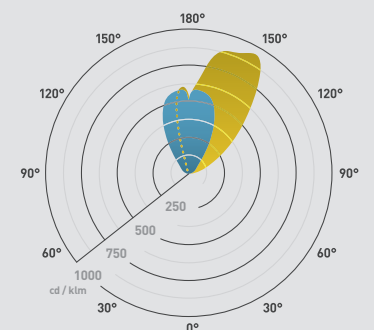
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	2	1	10

See pages 432-443 for complete LED driver offer

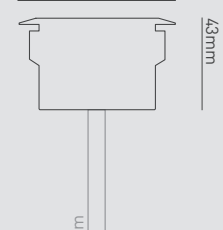
ACCESSORIES

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold separately	446-447
TUBE/50	Installation tube	Sold separately	220
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Plane: C0/C180 C90/C270






60x60mm



Step lights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

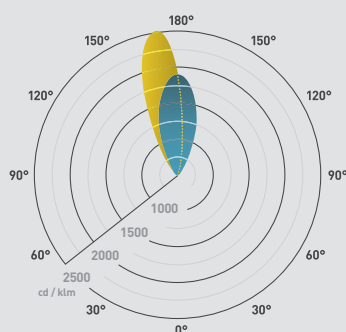
Single LED and lens combination for maximum efficiency and optimal light distribution

Straight to mains

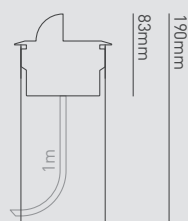
Marine grade stainless steel 316

Long lifetime of 70,000hrs

Beam angle: 40°



Ø98mm



GL034

Hooded LED ground light

FEATURES

IP rating	IP67
IK rating	IK08
Colour flexibility	Fixed colour
Walk over / drive over	Walk over (5mm toughened glass)
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 80-85mm
Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	60A 0.037ms
Construction material	Stainless Steel 316 (top) / Aluminium (body)
Weight	724g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL034DWBM40	2.9W	4000K	40°	190	66	357
GL034DWBM30	2.9W	3000K	40°	180	62	338
GL034DWBM27	2.9W	2700K	40°	170	59	320

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

Installation tube		Included	
JB5	Gel filled waterproof connector	Sold separately	447
WC 5-9	Quick release waterproof joint	Sold separately	446



Wall lights.

To create secure and adventurous spaces

Wall lights provide security as well as atmospheric and decorative lighting. Available in a range of styles and finishes, choose the perfect solution for your installation.

Choose your effect and how to create it

Highlight architecture or illuminate an entrance with Collingwood wall lights. The images below illustrate how your choice of lighting creates different effects.

Choose your effect:



Create it using:



WL070A

This up / down light produces a narrow and concentrated beam of light up and downwards. This is used most effectively in situations where there is a great deal of height to fully appreciate the effect of the columns of light. As a result, these fittings are great for framing doors and windows.

WL075A

The narrow and intense beam of light from this fitting will enhance the texture of the surface upon which it is mounted. This product works well on uneven stone and provides plenty of contrast between areas of light and shade.

MC050

This product perfectly combines practicality and drama. The wide-angle, downwards beam lights a broad area, while the narrow flume of uplight creates visual interest and a touch of glamour.

MC040

This clean and contemporary fitting provides a broad spread of light, which is great for lighting the threshold of any doorway. This product is also useful for providing general illumination and highlighting features.

WL060

This fitting provides a diffused decorative light from its top and a broad spread of down light which will light the threshold of a doorway. This fitting will also ensure both comfort and safety are accommodated in addition to highlighting any features positioned below.



Check out our wall light comparison video on the Collingwood Lighting YouTube channel or call 01604 495 151 to speak to our design team.

Premium finishes

Available in a range of stylish finishes such as anodised aluminium and copper, our powerful WL220 wall lights also sport an attractive single point source LED, maximising the look and feel of the luminaires without compromising on performance. Alongside our ultra-premium solid copper finish, we've updated our range to include stainless steel 316 and anodised bronze, giving you even more choice when designing your installation.



Framing vs. feature lighting

With several styles and finishes available, we have the solution that creates the perfect lighting effect for your installation. Types of light effects to consider are:

Wall grazing



WL175A

Directional



WL220

Decorative



WL041IP



WL012

This fitting provides a broad spread of light from the diffused window design. This makes it suitable for general illumination for entrance areas.



WL013

The up/ down wall light allows the framing of doors, windows and general architectural features. When it is interacting with brick and stone work, shadow effects can be created.



WL014

This fitting produces a different beam angle from the top compared to the bottom, leading to a more decorative lit effect.

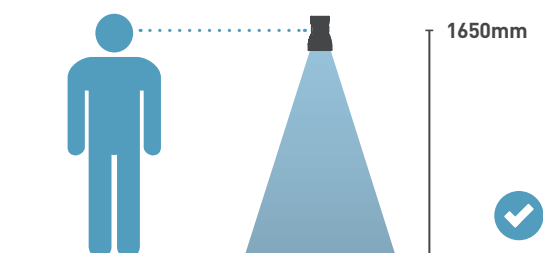


WL015

This fitting produces 1,000lm up and down, which means that the powerful output is great for illuminating tall structures.

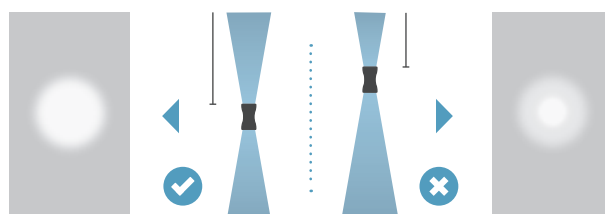
Height of wall lights

A general rule of choosing the correct height and position for wall lights is 1650mm from floor or ground level (eye level to a person of 5ft 8in height.)






Light positioning

To avoid hot spots when using up/down lights to frame doors and windows, ensure that they are not positioned too closely to the ceiling or other horizontal surfaces.



Wall lights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

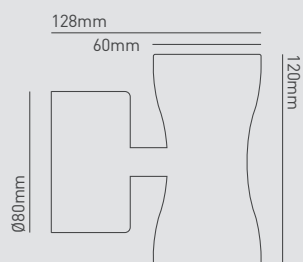
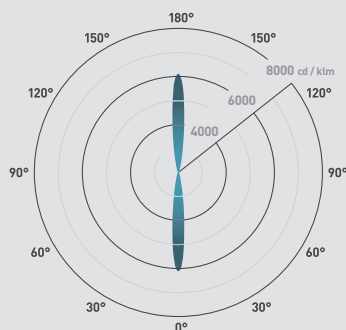
Single LED and lens combination for maximum efficiency and optimal light distribution

Bi-directional, straight to mains wall light, perfect for framing entrances and illuminating columns

Solid copper option gradually ages over time to offer a wonderful antique effect

Long lifetime of 70,000hrs

Beam angle: 12°



WL070

Straight to mains, high output LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotation angle	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	60A 0.037ms
Construction material	Anodised aluminium (black, silver and bronze) Solid copper
Weight	0.9kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL070BNBM40	Black	5.1W	4000K	12°	560 / 280	110	3455 / 1727
WL070BNBM30	Black	5.1W	3000K	12°	550 / 275	108	3394 / 1697
WL070BNBM27	Black	5.1W	2700K	12°	510 / 255	100	3147 / 1573
WL070ZNB40	Bronze	5.1W	4000K	12°	560 / 280	110	3455 / 1727
WL070ZNB30	Bronze	5.1W	3000K	12°	550 / 275	108	3394 / 1697
WL070ZNB27	Bronze	5.1W	2700K	12°	510 / 255	100	3147 / 1573
WL070CNBM30	Copper	5.1W	3000K	12°	550 / 275	108	3394 / 1697
WL070CNBM27	Copper	5.1W	2700K	12°	510 / 255	100	3147 / 1573
WL070SNBM40	Silver	5.1W	4000K	12°	560 / 280	110	3455 / 1727
WL070SNBM30	Silver	5.1W	3000K	12°	550 / 275	108	3394 / 1697
WL070SNBM27	Silver	5.1W	2700K	12°	510 / 255	100	3147 / 1573

WIRING INFORMATION

Cable / flying lead	0.3m
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A


ACCESSORIES


No accessories required

Wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Single LED and lens combination for maximum efficiency and optimal light distribution

Straight to mains wall light, perfect for framing entrances and illuminating columns

Quality anodised aluminium finish

Long lifetime of 70,000hrs



WL075

Straight to mains, high output LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tiltable	No
Rotation angle	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	60A 0.037ms
Construction material	Anodised aluminium
Weight	1.2kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class {1, 2, 3}	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL075BNBM40	Black	5.7W	4000K	12°	530	93	2843
WL075BNBM30	Black	5.7W	3000K	12°	520	91	2789
WL075BNBM27	Black	5.7W	2700K	12°	515	90	2763
WL075ZNBM40	Bronze	5.7W	4000K	12°	530	93	2843
WL075ZNBM30	Bronze	5.7W	3000K	12°	520	91	2789
WL075ZNBM27	Bronze	5.7W	2700K	12°	515	90	2763
WL075SNBM40	Silver	5.7W	4000K	12°	530	93	2843
WL075SNBM30	Silver	5.7W	3000K	12°	520	91	2789
WL075SNBM27	Silver	5.7W	2700K	12°	515	90	2763

WIRING INFORMATION

Cable / flying lead	0.3m
Type of wiring required	Parallel

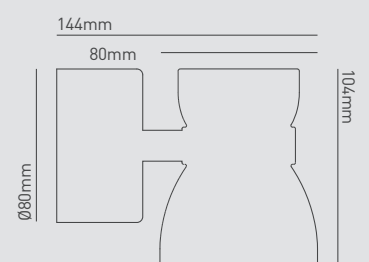
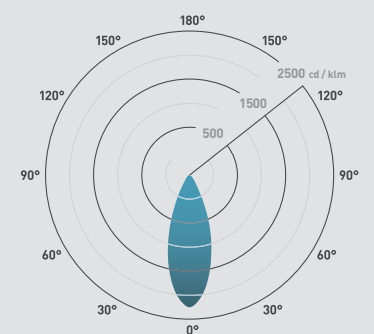
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

No accessories required

Beam angle: 12°



Wall
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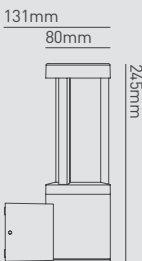
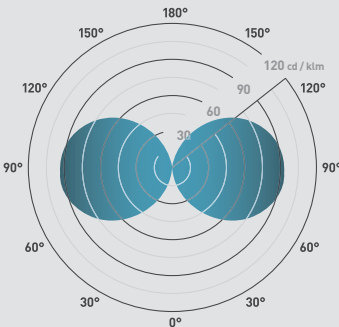
GUARANTEE / WARRANTY

5 year extended warranty available

FEATURES & BENEFITS

- Ideal for any doorways and entrances
- Straight to mains screw terminals
- Black coated finish
- High intensity of light with 610 lumens
- Withstand rain with an IP54 rating
- 360° beam angle for a wide even light spread
- Comes with a rubber grommet, to stop any water going into the terminals
- Supplied with a bracket at the back for easy installtion

Beam angle: 338°



WL012

IP54, 610lm straight to mains wall light

FEATURES

IP rating	IP54
Colour flexibility	Fixed colour
Dimmable	No
Input	220-240V
LED lifetime	30,000hrs L70 B10
CRI	>80Ra
SDCM	<5

INSTALLATION INFORMATION

Suitable for coastal areas	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Weight	1kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL012X30	Black	11W	3000K	338°	610	55	72

WIRING INFORMATION

Cable / flying lead	N/A
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A


ACCESSORIES


No accessories required

Wall lights.

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GUARANTEE / WARRANTY

5 year extended warranty available

FEATURES & BENEFITS

Ideal for any doorways and entrances

107° up and 91° down beam angle

Straight to mains screw terminals

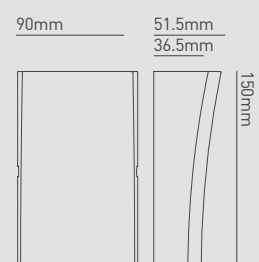
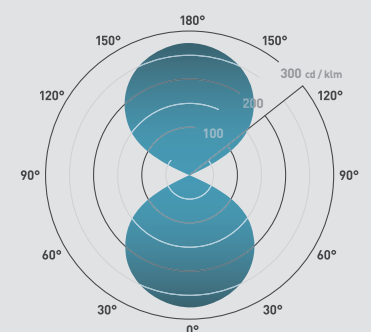
Contemporary look and feel with a matt black finish

IP65 rating making it perfect for all weather conditions

Comes with a rubber grommet, to stop any water going into the terminals

Supplied with a bracket at the back for easy installation

Beam angle: 107°/91°



WL013

IP65, 390lm up-down wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Dimmable	No
Input	220-240V
LED lifetime	30,000hrs L70 B10
CRI	>80Ra
SDCM	<6

INSTALLATION INFORMATION

Suitable for coastal areas	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Weight	467g
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL013X30	Black	6.5W	3000K	107°/91°	390	60	99

WIRING INFORMATION

Cable / flying lead	N/A
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

No accessories required

Wall lights.

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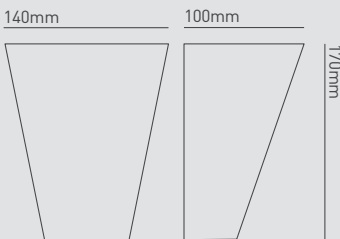
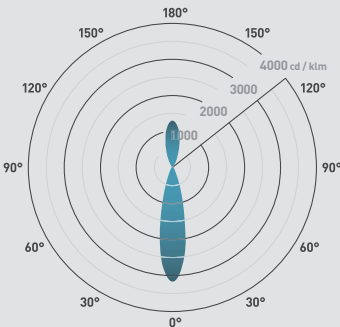
GUARANTEE / WARRANTY

5 year extended warranty available

FEATURES & BENEFITS

- Ideal for any doorways and entrances
- Narrow upper beam angle and wider lower beam angle
- Straight to mains screw terminals
- Contemporary look and feel with a matt black finish
- Can withstand rain with an IP54 rating
- High intensity of light with 610 lumens
- Comes with a rubber grommet, to stop any water going into the terminals
- Supplied with a bracket at the back for easy installation

Beam angle: 22°/26°



WL014

IP54, 350lm cone up-down wall light

FEATURES

IP rating	IP54
Colour flexibility	Fixed colour
Dimmable	No
Input	220-240V
LED lifetime	30,000hrs L70 B10
CRI	>80Ra
SDCM	<6

INSTALLATION INFORMATION

Suitable for coastal areas	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Weight	750g
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL014X30	Black	5.7W	3000K	22°/26°	350	61	1061

WIRING INFORMATION

Cable / flying lead	N/A
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A


ACCESSORIES


No accessories required

Wall lights.

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GUARANTEE / WARRANTY

5 year extended warranty available

FEATURES & BENEFITS

Ideal for any doorways and entrances

88° up and down beam angle

Straight to mains screw terminals

Contemporary look and feel with a matt black finish

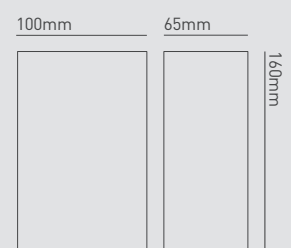
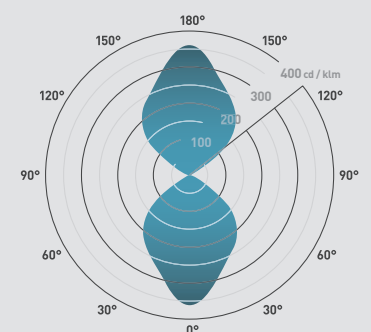
IP65 rating making it perfect for all weather conditions

High intensity of light with 1000 lumens, ideal for lighting up tall entrances

Comes with a rubber grommet, to stop any water going into the terminals

Supplied with a bracket at the back for easy installation

Beam angle: 88°



WL015

IP65, 1,000lm up-down wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Dimmable	No
Input	220-240V
LED lifetime	30,000hrs L70 B10
CRI	>80Ra
SDCM	<4

INSTALLATION INFORMATION

Suitable for coastal areas	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Weight	800g
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL015X30	Black	13W	3000K	88°	1000	77	362

WIRING INFORMATION

Cable / flying lead	N/A
Type of wiring required	Parallel

LED DRIVERS




Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

No accessories required

Wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

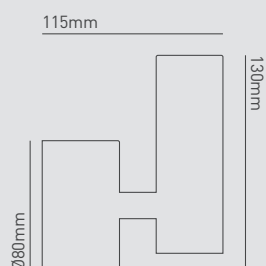
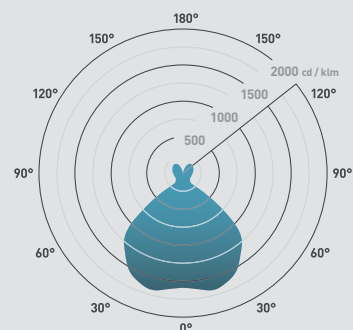
FEATURES & BENEFITS

Bi-directional wall light offering decorative halo effect and functional downward flood light

Straight to mains

Complete with wall fixings and waterproof crimp connectors

Beam angle: 110°



240



WL060 | WL160

Straight to mains LED halo / flood wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotation angle	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	0.6kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL060 NW	Silver	2.6W	4000K	110°	82	32	46
WL060 WW	Silver	2.6W	3000K	110°	58	22	26
WL060 27	Silver	2.6W	2700K	110°	56	22	25
WL160 NW	Black	2.6W	4000K	110°	82	32	46
WL160 WW	Black	2.6W	3000K	110°	58	22	26
WL160 27	Black	2.6W	2700K	110°	56	22	25

WIRING INFORMATION

Cable / flying lead	0.3m
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A


ACCESSORIES


No accessories required

Wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Straight to mains

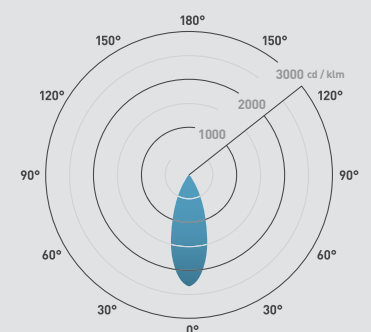
High efficacy N/A up to 93lm/W

Improved look and feel with single LED

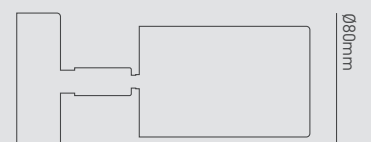
New stainless steel and anodised bronze finishes

Higher light output than predecessor

Beam angle: 40°



145mm



WL220 MAINS

Straight to mains LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	330°
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	60A 0.037ms
Construction material	Anodised aluminium Stainless Steel 316 Copper
Weight	0.5kg
Maximum ambient temperature	50°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL220BWB40	Black	5.7W	4000K	40°	530	93	1205
WL220BWB30	Black	5.7W	3000K	40°	520	91	1182
WL220BWB27	Black	5.7W	2700K	40°	515	90	1171
WL220ZWB40	Bronze	5.7W	4000K	40°	530	93	1205
WL220ZWB30	Bronze	5.7W	3000K	40°	520	91	1182
WL220ZWB27	Bronze	5.7W	2700K	40°	515	90	1171
WL220CWB27	Copper	5.7W	2700K	40°	515	90	1171
WL220DWB40	Stainless Steel 316	5.7W	4000K	40°	530	93	1205
WL220DWB30	Stainless Steel 316	5.7W	3000K	40°	520	91	1182
WL220DWB27	Stainless Steel 316	5.7W	2700K	40°	515	90	1171

WIRING INFORMATION

Cable / flying lead	0.3m
Type of wiring required	Parallel

LED DRIVERS




Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold Separately	273

Wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Unique radial appearance creates a decorative lit effect on surrounding surfaces

Can be used for interior and exterior applications

Straight to mains for easy installation

Complete with bracket and waterproof crimp connectors



WL041IP

Straight to mains, fan effect LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotation angle	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	0.3kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class {1, 2, 3}	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	lm	lm/W	lx at 1m
WL041 IP NW	Silver	1.6W	4000K	37	23	8
WL041 IP WW	Silver	1.6W	3000K	33	21	6
WL041 IP AMBER	Silver	1.6W	Amber	N/A	N/A	N/A
WL041 IP BLUE	Silver	1.6W	Blue	N/A	N/A	N/A

WIRING INFORMATION

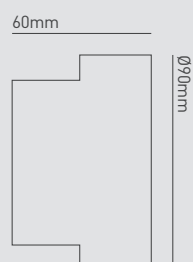
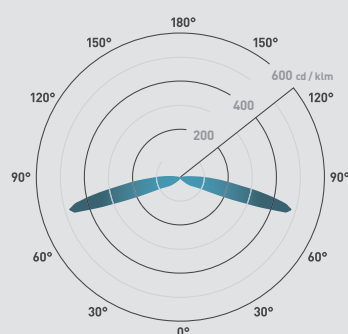
Cable / flying lead	0.3m
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A


ACCESSORIES


No accessories required




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GUARANTEE / WARRANTY

7 year extended warranty

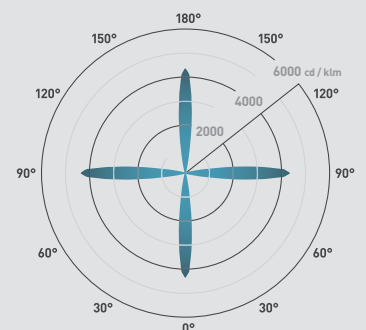
FEATURES & BENEFITS

Grazes light across the surrounding surface in four directions to create a decorative lit effect

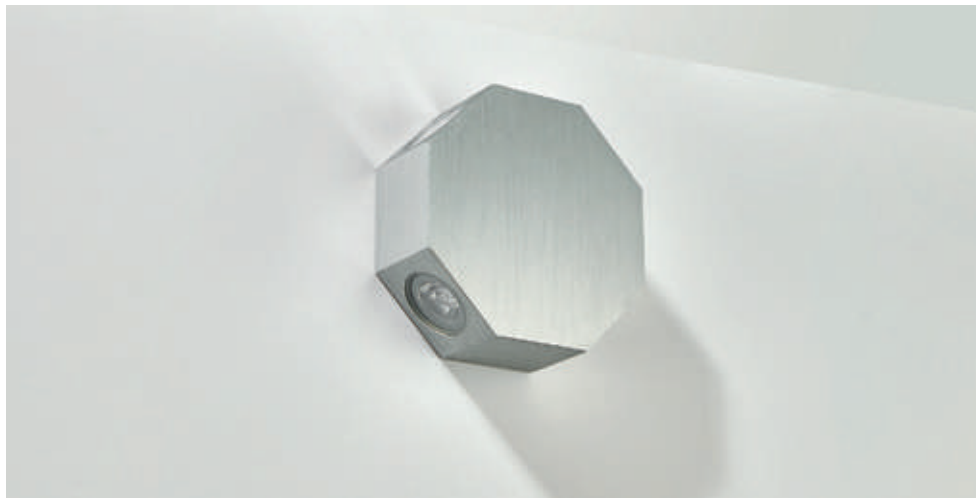
Can be rotated to direct light in desired direction

Complete with wall fixings

Beam angle: 12°



38mm



OCTOLED

Rotatable, octagonal LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tiltable	No
Rotation angle	350°
Dimmable	Yes with suitable driver
Input	350mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium (black, silver and bronze)
Weight	0.7kg
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
OCTOLEDNW	Silver	4W	4000K	12°	280	70	1485
OCTOLEDWW	Silver	4W	3000K	12°	220	55	1466

WIRING INFORMATION

Cable / flying lead	0.05m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLR/350 1-5	220-240V	Yes	No	1	1	2
PLD UNI-DRIVE 350MA	110-240V	Yes	Yes (1-10V)	2	1	2




See pages 432-443 for complete LED driver offer

ACCESSORIES

PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	446
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Wall
lights.

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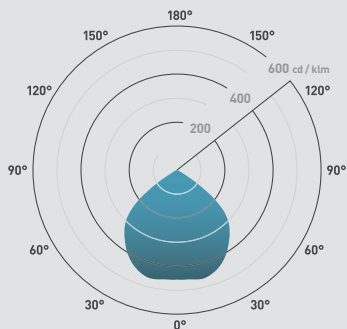
GUARANTEE / WARRANTY

7 year extended warranty

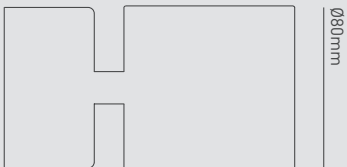
FEATURES & BENEFITS

Complete with wall fixings and waterproof crimp connectors
Equivalent to 35W halogen

Beam angle: 110°



156mm



MC040

Straight to mains LED wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	No
Rotation angle	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
MC040 NW	Silver	5W	4000K	110°	312	62	163
MC040 WW	Silver	5W	3000K	110°	243	48	118

WIRING INFORMATION

Cable / flying lead	0.3m
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A


ACCESSORIES


No accessories required

Wall lights.

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GUARANTEE / WARRANTY

7 year extended warranty

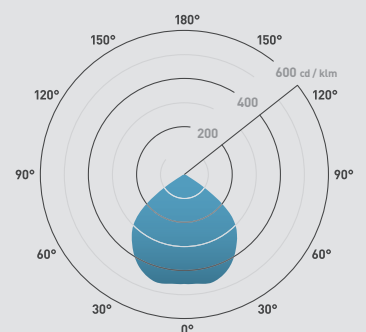
FEATURES & BENEFITS

Complete with wall fixings and waterproof crimp connectors

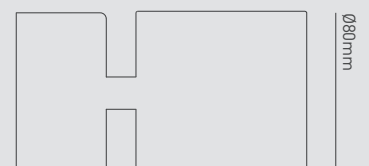
Integral LED light for decorative effect

Equivalent to 35W halogen

Beam angle: 110°



156mm



MC050

Straight to mains, decorative wall light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tiltable	No
Rotation angle	No
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Colour	Beam angle	CRI	lm	lm/W	lx at 1m
MC050 NW	Silver	4000K	110°	>80Ra	312	48	163
MC050 WW	Silver	3000K	110°	>80Ra	243	37	118

WIRING INFORMATION

Cable / flying lead	0.3m
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

No accessories required

Pond lights.

A flexible solution

Whether illuminating the edges of a pond or completely submerging in water, the durability of Collingwood products will suit every requirement.

Flexibility

With a 360° rotation and 180° tilt, our pond lights provide ultimate flexibility with the ability to be pointed in any direction, illuminating the areas you want to showcase.

360° rotation

This is achieved with an adjustable bracket at the base of the product.



180° tiltable

Using the bracket directly attached to the product, the light can be tilted upwards and downwards.



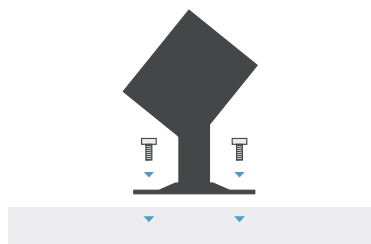
Coastal protection

Our products are completely protected from the effects of rust and salt water corrosion. This includes our marine-grade 316 and antique brass finish.



Mount anywhere

Designed with flexibility in mind, our fittings can be mounted on to most surfaces. The screw-in structure allows for attaching to a hard surface securely, where recessing a light is impossible.



Output options

Both products have a narrow beam which means punchy illumination from a neat and compact fitting. As each installation is unique, it may require a high or low output fitting.

High output

The UL030 is ideal for general illumination.



Low output

The UL010 works well for subtle feature illumination.



Discreet fittings

We understand the focus of lighting should be the illumination, not the fitting, which is why the flexible nature of these products ensures they are easy to conceal in a landscape.



Pond lights.

Underwater lighting

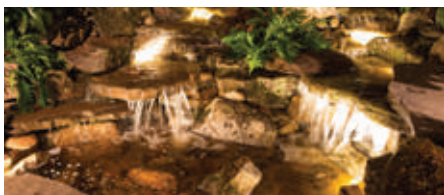
Illuminating a pond or water feature will help transform any landscape design, creating a focal point whilst also adding a layer of protection, ensuring passers-by are aware of where water is located.

Lighting effect

A number of effects can be created when strategically lighting water and water features.

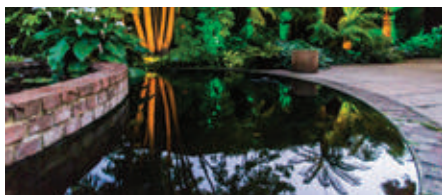
Backlighting waterfalls

Adding lighting to the soothing sound of a waterfall can create a calm and peaceful atmosphere.



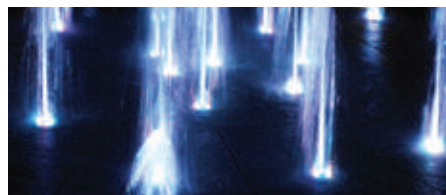
Reflections

Indirectly illuminate by up lighting surrounding shrubs and trees; unique reflections will be cast into the water.



Highlighting water features

Maintain maximum visual impact after the sun sets by using spot lighting to highlight water features.



Adding depth to your landscape

Highlighting water features can add significant depth and appeal to the overall landscape design.



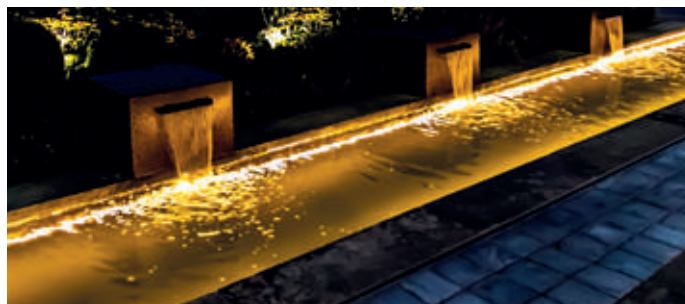
Submersible fittings

Our Collingwood patented technology ensures that our IP68 rated pond lights are completely air tight and can be used under water.






The ripple effects

As water moves and ripples, the light moves with it. This adds a sense of motion and fluidity to your scheme and sparks visual interest.



Pond lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

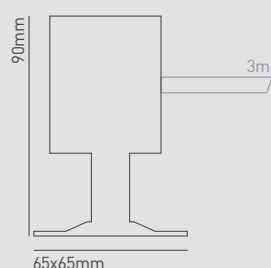
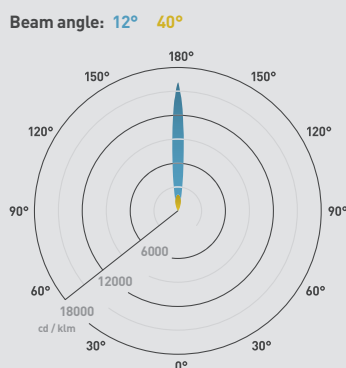
Single LED and lens combination for maximum efficiency and optimal light distribution

Complete with wall fixings

Tilt & rotate for adjusting light

Marine grade stainless steel 316

Long lifetime of 70,000hrs



UL030

High output universal LED light

FEATURES

IP rating	IP68
Colour flexibility	Fixed colour
Tilttable	360°
Rotation angle	360°
Dimmable	Yes with suitable driver
Input	700mA Driver required
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Suitable for coastal areas	Yes
Construction material	Stainless steel (316) Brass
Weight	Stainless Steel: 833g Brass: 855g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
UL030DWBX40	Stainless Steel	4.6W	4000K	40°	490	109	1050
UL030DNBX40	Stainless Steel	4.6W	4000K	12°	490	109	7975
UL030DWBX30	Stainless Steel	4.6W	3000K	40°	480	107	1029
UL030DNBX30	Stainless Steel	4.6W	3000K	12°	480	107	7812
UL030DWBX27	Stainless Steel	4.6W	2700K	40°	470	104	1007
UL030DNBX27	Stainless Steel	4.6W	2700K	12°	470	104	7649
UL030AWAX30	Brass	4.6W	3000K	40°	480	107	1029
UL030ANAX30	Brass	4.6W	3000K	12°	480	107	7812
UL030AWAX27	Brass	4.6W	2700K	40°	470	104	1007
UL030ANAX27	Brass	4.6W	2700K	12°	470	104	7649

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP70018W	220-240V	Yes	No	1	1	3
PLD UNI-DRIVE 700mA	110-240V	Yes	Yes (1-10V)	2	1	6


See pages 432-443 for complete LED driver offer


ACCESSORIES


JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
WCR 275 BLACK	2-core rubber cable	Sold separately	447

Pond lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Complete with wall fixings

Robust cable for use outdoors

Tilt & rotate for adjusting light

Long lifetime of 70,000hrs



UL010

Universal LED light

FEATURES

IP rating	IP68
Colour flexibility	Fixed colour
Tilttable	360°
Rotation angle	360°
Dimmable	Yes with suitable driver
Input	700mA Driver required
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	0
Suitable for coastal areas	Yes
Construction material	Stainless steel (316) Brass
Weight	Stainless Steel: 500g Brass: 512g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
UL010 NW	Stainless Steel	3W	4000K	18°	119	40	648
UL010 WW	Stainless Steel	3W	3000K	18°	95	32	411
UL010 27	Stainless Steel	3W	2700K	18°	92	31	399
UL010 BL	Stainless Steel	3W	Blue	18°	-	-	-
UL010 A WW	Brass	3W	3000K	18°	95	32	411
UL010 A 27	Brass	3W	2700K	18°	92	31	399

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

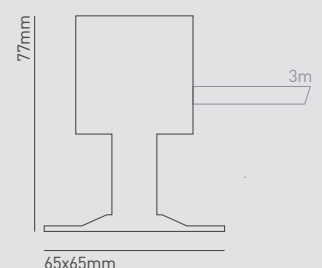
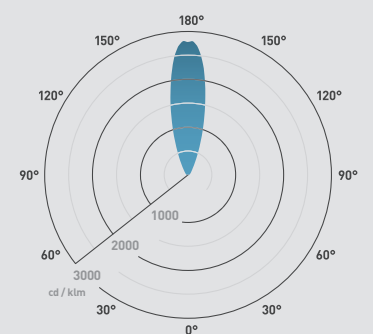
Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP70018W	220-240V	Yes	No	1	1	8
PLD UNI-DRIVE 700mA	110-240V	Yes	Yes [1-10V]	2	1	6

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	Sold separately	446-447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
WCR 275 BLACK	2-core rubber cable	Sold separately	447

Beam angle: 18°



Uplights.

To create exceptionally lit environments

In architecture, the façade of a building is the first place a visitor will see, and sets the tone for the rest of the building. Captivate passers-by with a mesmerising wash of light over any beautiful structure.

Choosing the right beam angle

Our uplighting range is ideal for creating an array of effects; whether you are adding grandeur to buildings, highlighting intricate architectural features or drawing guests to an entrance, we have a solution for many applications.

110° beam

This wide beam is perfect for creating a wash of light on flat surfaces or to illuminate surfaces from further away.



45° beam

Some architectural features require mid-level lighting and the 45° beam is perfect for this, allowing a swathe of light to be cast across a dedicated area.

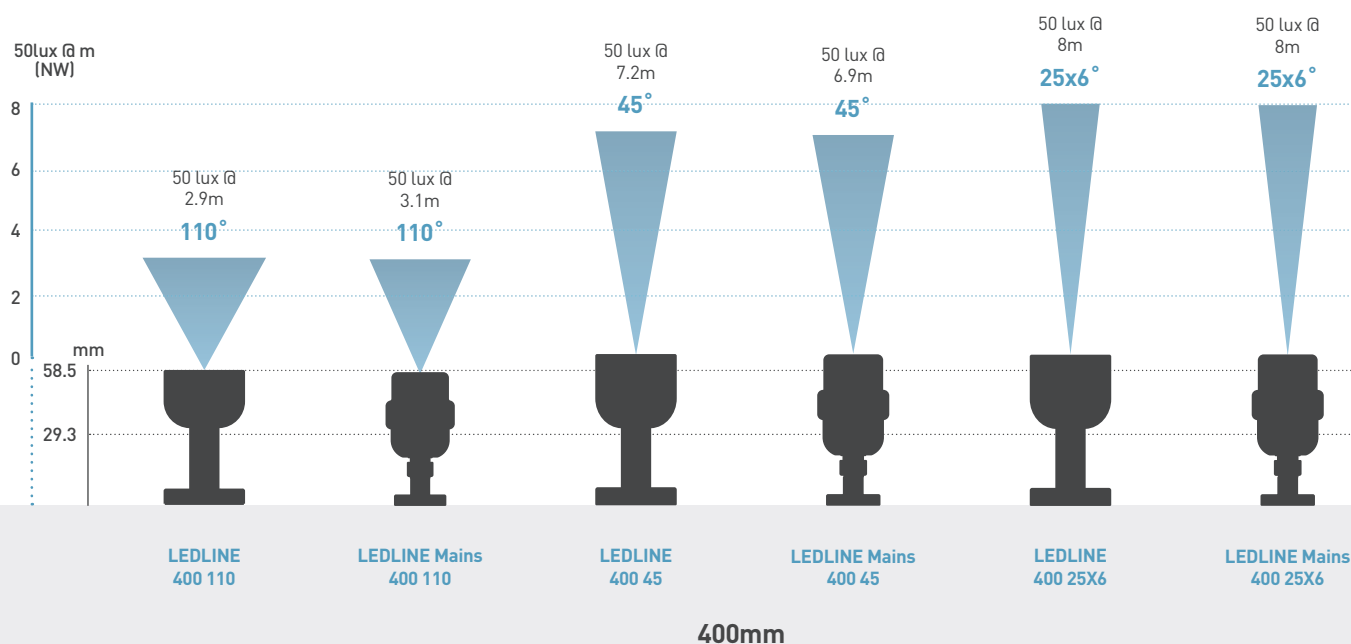


25x6° beam

Choose the asymmetric 25x6° beam for a more directed beam of light, perfect for walls and entrances.

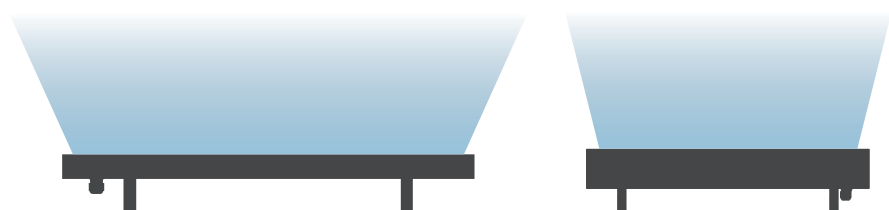


Choosing the ideal size and output



400 vs. 200

Choosing between a 400mm and 200mm LED light bar is very much determined by the application. Opt for a 400mm bar to illuminate larger surfaces such as walls and ledges, and 200mm in narrower spaces and more complex structures. Both lengths are available in three beam angle options and three colour temperatures, offering a wide variety of suitable options for your install.



Mains vs. 700mA

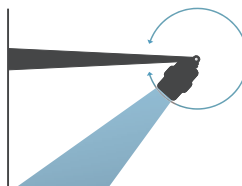
Mains voltage operates at the usual 240V direct from the main electricity supply. With a mains voltage connection the cable must be buried in the ground.

Low voltage operates at 24V, and the driver does not need to be located near the fittings, this is because it is a constant current driver meaning the output of the voltage and amps is fixed, which regulates the current across the circuit. This is a safer install, where the cable does not need to be buried.

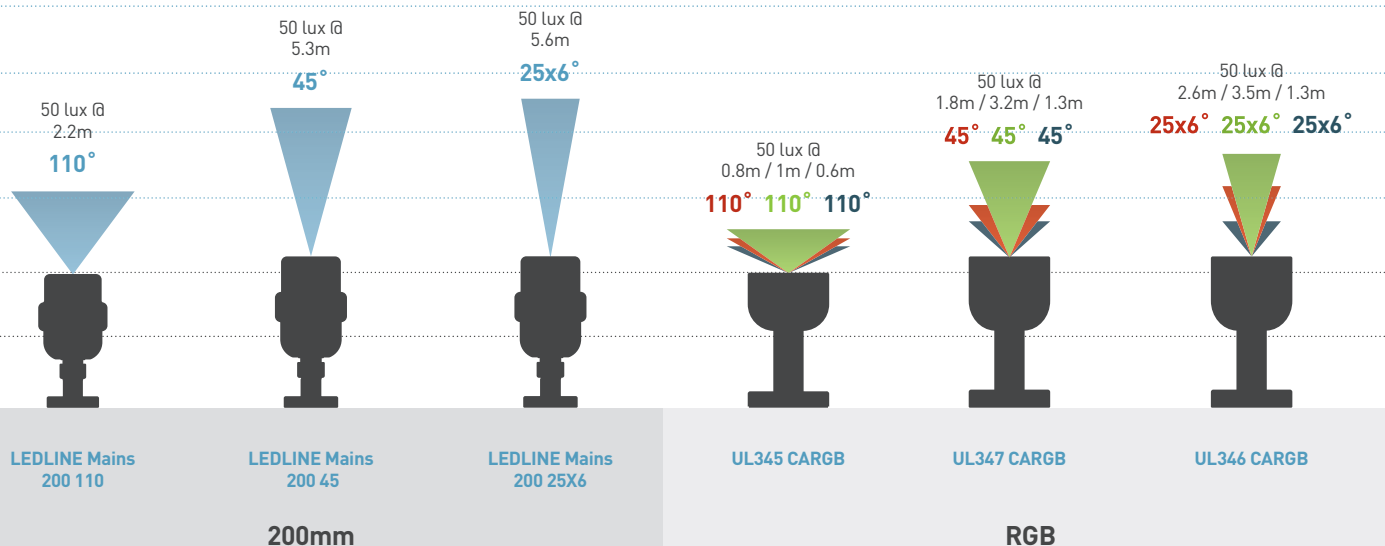
UL bracket

The UL bracket offers the ability to adjust the LEDLINE fitting to an angle of your choice; providing more options for how and where you direct the light.

The bracket is perfect for directing the light back onto a façade, highlighting particular signage or features. The UL bracket must be ordered separately using the partcode: ULBRACKET






Diagrams shown are Mains and 700mA output.



Uplights.

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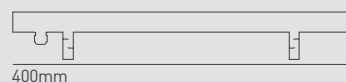
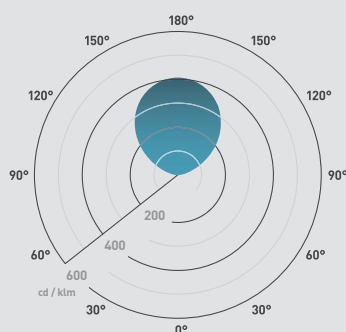
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Robust cable for permanent use outdoors
Wide beam angle ideal for wall wash

Beam angle: 110°



LEDLINE 400 110

110° wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Driver Required
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium
Weight	0.8kg
Maximum ambient temperature	40°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LEDLINE 400 NW 110	16W	4000K	110°	1000	63	422
LEDLINE 400 WW 110	16W	3000K	110°	750	47	316

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	220-240V	Yes	No	1	1	1
PSIP70036W	220-240V	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	1

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB4 / JB6	Gel filled junction box	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
WCR 275 BLACK	2-core rubber cable	Sold separately	447
ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261



LEDLINE MAINS 400 110°

110° straight to mains wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Mains AC
LED lifetime	70,000h L70 B50
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.1A 0.1ms
Construction material	Anodised aluminium
Weight	1.3kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
ULM345M40	19W	4000K	110°	1210	64	493
ULM345M30	19W	3000K	110°	1320	70	537

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261
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Uplights.

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GUARANTEE / WARRANTY

7 year extended warranty

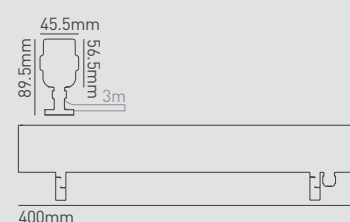
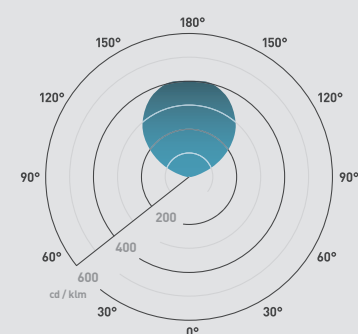
FEATURES & BENEFITS

Wide beam angle ideal for wall wash

Mains driver built-in for quick installation

Robust cable for permanent use outdoors

Beam angle: 110°



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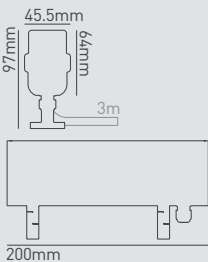
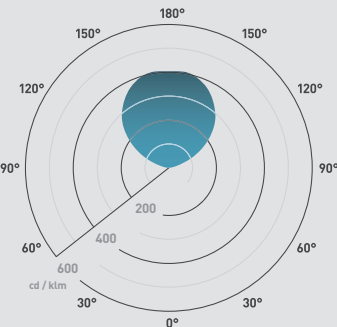
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- Wide beam angle ideal for wall wash
- Mains driver built-in for quick installation
- Robust cable for permanent use outdoors

Beam angle: 110°



LEDLINE MAINS 200 110°

110° straight to mains wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.1A 0.1ms
Construction material	Anodised aluminium
Weight	0.8kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
ULS345M40	10W	4000K	110°	590	59	253
ULS345M30	10W	3000K	110°	600	60	258

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261
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LEDLINE 400 25x6

25x6° wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Driver Required
LED lifetime	70,000h L70 B10
CRI	>80Ra (4000K >70Ra)
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	40°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LEDLINE 400 NW 25X6	16W	4000K	25x6°	1000	63	3174
LEDLINE 400 WW 25X6	16W	3000K	25x6°	750	47	2380

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	220-240V	Yes	No	1	1	1
PSIP70036W	220-240V	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	1

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB4 / JB6	Gel filled junction box	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
WCR 275 BLACK	2-core rubber cable	Sold separately	447
ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261

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GUARANTEE / WARRANTY

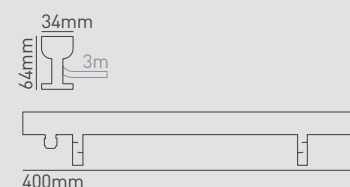
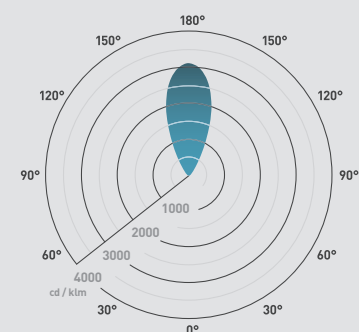
7 year extended warranty

FEATURES & BENEFITS

Asymmetric beam angle for distance wall wash

Robust cable for permanent use outdoors

Beam angle: 25x6°



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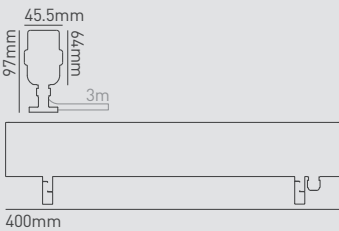
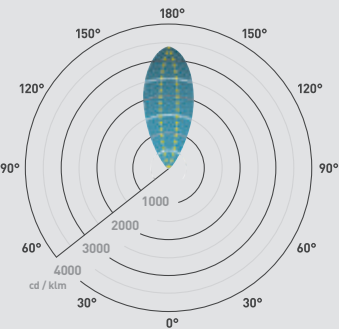
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- Asymmetric beam angle for distance wall wash
- Mains driver built-in for quick installation
- Robust cable for permanent use outdoors

Beam angle: C0/C180 C90/C270



LEDLINE MAINS 400 25x6°

25x6° straight to mains wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.1A 0.1ms
Construction material	Anodised aluminium
Weight	1.4kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
ULM346M40	Black	19W	4000K	25x6°	940	50	3191
ULM346M30	Black	19W	3000K	25x6°	880	46	2987

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261
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LEDLINE MAINS 200 25x6°

25x6° straight to mains wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.1A 0.1ms
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1 m
ULS346M40	10W	4000K	25x6°	490	49	1592
ULS346M30	10W	3000K	25x6°	460	46	1494

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261
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GUARANTEE / WARRANTY

7 year extended warranty

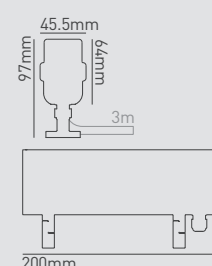
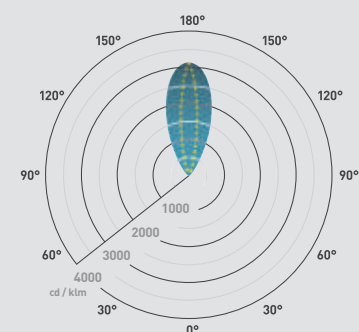
FEATURES & BENEFITS

Asymmetric beam angle for distance wall wash

Mains driver built-in for quick installation




Robust cable for permanent use outdoors

Beam angle: C0/C180 C90/C270



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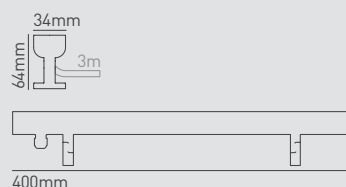
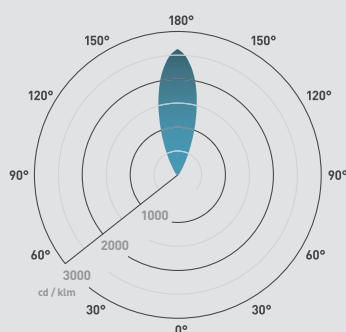
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

45° beam angle ideal for mid-level wall wash
Robust cable for permanent use outdoors

Beam angle: 45°



LEDLINE 400 45

45° wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Driver Required
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	40°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LEDLINE 400 NW 45	16W	4000K	45°	1000	63	2629
LEDLINE 400 WW 45	16W	3000K	45°	750	47	1972

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	220-240V	Yes	No	1	1	1
PSIP70036W	220-240V	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	1

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB4 / JB6	Gel filled junction box	Sold separately	447
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
WCR 275 BLACK	2-core rubber cable	Sold separately	447
ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261



LEDLINE MAINS 400 45°

45° straight to mains wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.1A 0.1ms
Construction material	Anodised aluminium
Weight	1.4kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
ULM347M40	19W	4000K	45°	1020	54	2366
ULM347M30	19W	3000K	45°	1000	53	2320

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261
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GUARANTEE / WARRANTY

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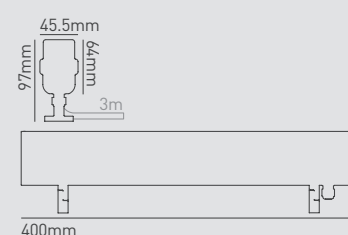
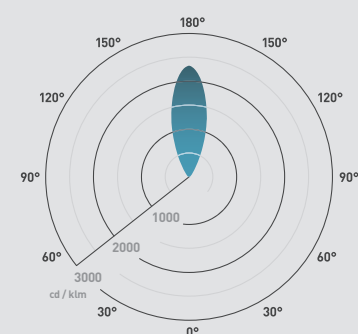
FEATURES & BENEFITS

45° beam angle ideal for mid-level wall wash

Mains driver built-in for quick installation




Robust cable for permanent use outdoors

Beam angle: 45°



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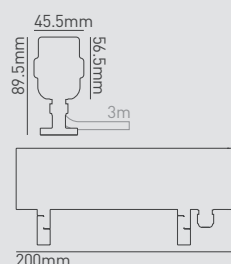
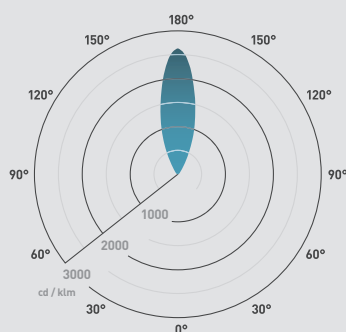
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

45° beam angle ideal for mid-level wall wash
Mains driver built-in for quick installation
Robust cable for permanent use outdoors

Beam angle: 45°



LEDLINE MAINS 200 45°

45° straight to mains wall washing light bar

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	Fixed colour
Tilttable	180°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Bathroom zone	2
Suitable for coastal areas	Yes
Inrush current	2.1A 0.1ms
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
ULS347M40	10W	4000K	45°	530	53	1401
ULS347M30	10W	3000K	45°	470	47	1242

WIRING INFORMATION

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS


Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-


ACCESSORIES


ULBRACKET	2-piece black anodised aluminium bracket	Sold separately	261
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Uplights.

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GUARANTEE / WARRANTY

1 year guarantee

FEATURES & BENEFITS

Supplied with fixtures & fittings



ULBRACKET

2-piece black anodised aluminium bracket

INSTALLATION INFORMATION

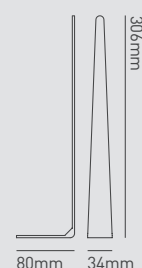
Construction material	Aluminium
Weight	150g

PRODUCT CODES

Product codes	Description
ULBRACKET	2-piece black anodised aluminium bracket

USE WITH

LEDLINE 400 110	110° LED wall washing light bar	252
LEDLINE 400 25X6	25X6° LED wall washing light bar	255
LEDLINE 400 45	45° LED wall washing light bar	258
LEDLINE MAINS 400 110	110° straight to mains LED wall washing light bar	253
LEDLINE MAINS 400 25x6	25X6° straight to mains LED wall washing light bar	256
LEDLINE MAINS 400 45	45° straight to mains LED wall washing light bar	259
LEDLINE MAINS 200 110	110° straight to mains LED wall washing light bar	254
LEDLINE MAINS 200 25x6	25X6° straight to mains LED wall washing light bar	257
LEDLINE MAINS 200 45	45° straight to mains LED wall washing light bar	260
UL345CARGB	110° colour change LED wall washing light bar	420
UL346CARGB	25x6° colour change LED wall washing light bar	421
UL347CARGB	45° colour change LED wall washing light bar	422



Spike lights.

To create engaging outdoor spaces

Whether lighting a pathway, planting or to really embellish an outdoor feature, spike lights are a great addition to any environment.

Choose your effect

Spike lights can be used in a variety of ways, for example, illuminating pathways, highlighting mid-level planting or to pick out certain features within a garden. The great thing about these products is that they can move as your landscape changes season to season, year to year.



Pathways



Mid-level
planting



Features

Layering light

Spike lights can effectively work as the main focus of an outdoor lighting scheme; however, they also work well in spreading the focus throughout an installation. Combine various effects using these versatile fittings to light features at different levels and to create a scene with depth and interest. Pathway lighting can be combined with uplighting to create a multi-layered effect.



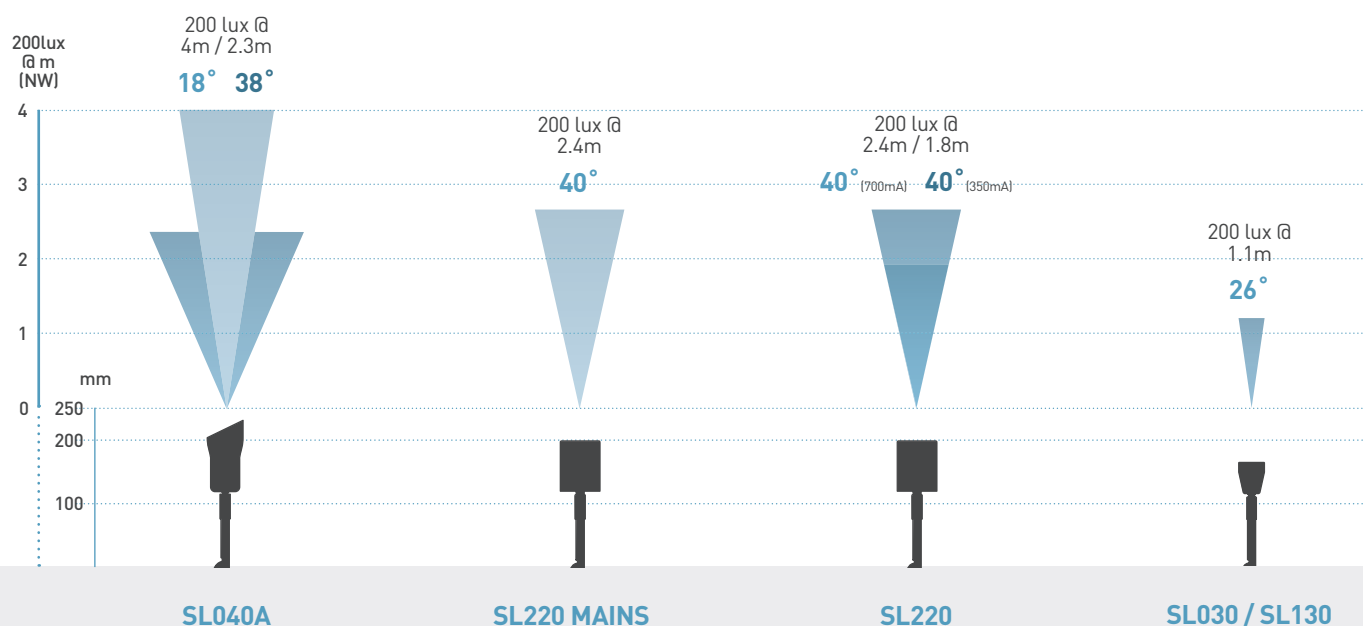
Light confined to
one area



Light spread across
installation

Product comparison

Use the diagram to work out which size product and output is ideal for your installation.



Diagrams shown are Mains and 700mA output.

All spike lights continue 240mm under the surface.

Low voltage vs. mains

Choose the right connection for any install with both mains and low voltage options available. These are ideal for both retro-fit and new installations.

All of our spike lights come with 3m integrated cable as standard for ease of installation.

Waterproof

Our spike lights are waterproof to IP65 and have been designed for permanent use outdoors. Spike lights must be installed using waterproof connections to avoid moisture ingress through non-waterproof joints. To choose from our range waterproof connectors, please see page 446-447.

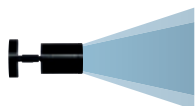


Check out our IP rated installation video on the Collingwood Lighting YouTube channel.

Low glare hoods and snoots

Upgrade the look and feel of your spike light installation with a simple low glare hood or snoot accessory. The accessories minimise any 'spill light' from the product to create a crisp beam of light which is low glare.

Standard spike light



Flexible spike lighting with a high-quality fixture. Without using an accessory the beam of light has a soft halo around the measured beam angle.

Low glare hood



A simple solution to create discreet lighting whilst optimising the light distribution. The widest part of the hood reduces the spill light from one side of the light.

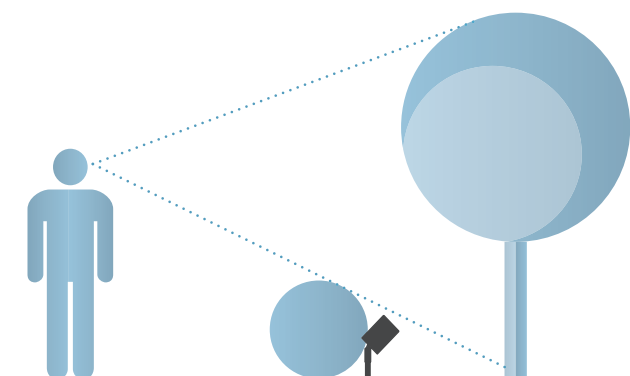
Low glare snoot



This cylindrical snoot accentuates the style factor. Perfect for creating a moonlight effect the snoot reduces the spill light in all directions.

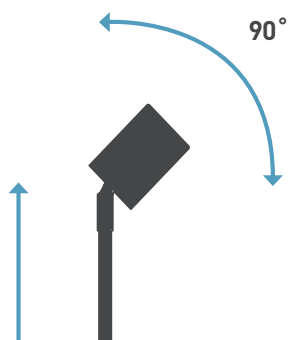
Discreet lighting

Conceal your spike lights to allow attention to focus on the illumination, not the light source.



Flexibility

Spike lights are the most flexible lighting choice for a garden as they can be used in a variety of environments and are easy to manoeuvre, which gives the option to change the lighting scheme to reflect the season.



Tilt




Select the best angle to illuminate features.

Move

Simply pick up and move a spike light to illuminate a different feature.

Spike lights.

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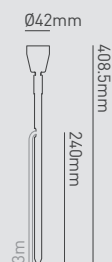
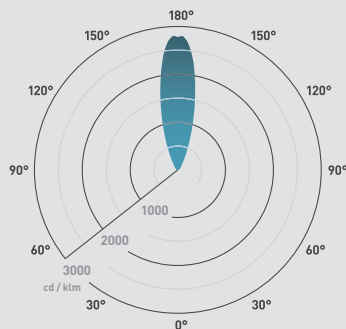
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Long spike included for extra stability
Robust cable for outdoor use
Small & discreet
Single point source LED
IP65 allows for use in exterior spaces

Beam angle: 26°



SL030

1W LED spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	N/A
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Stainless steel 316
Weight	700g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	350mA			700mA		
					lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
SL030 F NW	Stainless steel 316	1W (350mA) or 2W (700mA)	4000K	26°	95	95	267	140	70	393
SL030 F WW	Stainless steel 316		3000K	26°	75	75	210	135	68	379
SL030 F 27	Stainless steel 316		2700K	26°	70	70	196	120	60	337
SL030 F AMBER	Stainless steel 316		Amber	26°	-	-	-	-	-	-
SL030 F BLUE	Stainless steel 316		Blue	26°	-	-	-	-	-	-
SL030 F GREEN	Stainless steel 316		Green	26°	-	-	-	-	-	-
SL030 F RED	Stainless steel 316		Red	26°	-	-	-	-	-	-

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

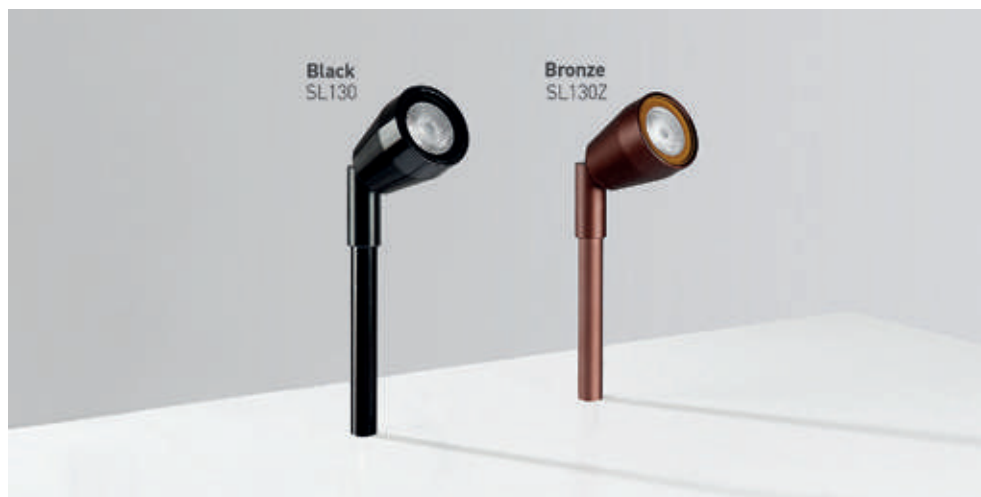
LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	1	1	5
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	10

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	1-10V dimmer module	Sold separately	446



SL130

1W LED spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	N/A
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium
Weight	405g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	350mA			700mA		
					lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
SL13040	Black	1W (350mA) or 2W (700mA)	4000K	26°	95	95	267	140	70	393
SL13030	Black		3000K	26°	75	75	210	135	68	379
SL13027	Black		2700K	26°	70	70	196	120	60	337
SL130ZMBX40	Bronze		4000K	26°	95	95	267	140	70	393
SL130ZMBX30	Bronze		3000K	26°	75	75	210	135	68	379
SL130ZMBX27	Bronze		2700K	26°	70	70	196	120	60	337

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	8
PLR/350 1-5	220-240V	Yes	No	1	1	5
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	10

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
WCR 275 BLACK	2-core rubber cable	Sold separately	447
PDC/GRID DIMMER	1-10V dimmer module	Sold separately	446

Spike lights.

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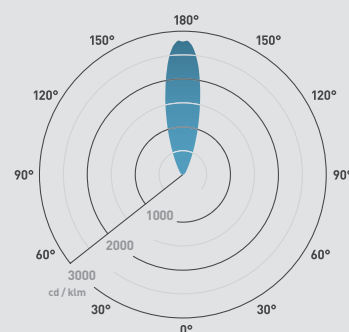
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- Long spike included for extra stability
- Robust cable for outdoor use
- Small & discreet
- IP65 allows for use in exterior spaces

Beam angle: 26°






Ø42mm



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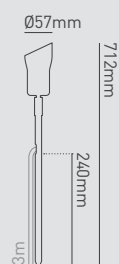
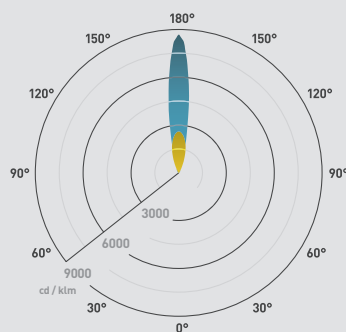
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Long spike included for extra stability
Robust cable for outdoor use
Hooded for reduced glare

Beam angle: 18° 38°



SL040A

High output LED spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	N/A
Input	Driver required (700mA)
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium
Weight	600g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SL040A F NW	Black	7W	4000K	38°	520	74	1471
SL040A S NW	Black	7W	4000K	18°	520	74	4614
SL040A F WW	Black	7W	3000K	38°	413	59	1168
SL040A S WW	Black	7W	3000K	18°	413	59	3665
SL040A F 27	Black	7W	2700K	38°	377	54	1066
SL040A S 27	Black	7W	2700K	18°	377	54	3345

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	220-240V	Yes	No	1	1	3
PSIP70018W	220-240V	Yes	No	1	1	2
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	446-447
WCR 275 BLACK	2-core rubber cable	447
PDC/GRID DIMMER	1-10V dimmer module	446



SL220

Low voltage LED spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	N/A
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium Stainless Steel 316 Copper
Weight	SL220B: 512g SL220C: 1301g SL220D: 1000g SL220Z: 512g
Maximum ambient temperature	50°C
SELV	Driver Dependant
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	350mA			700mA		
					lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
SL220BWBX40	Black	2.2W (350mA) or 4.6W (700mA)	4000K	40°	310	141	705	530	115	1205
SL220BWBX30	Black		3000K	40°	300	136	682	520	113	1182
SL220BWBX27	Black		2700K	40°	290	132	659	515	112	1171
SL220ZWBX40	Bronze		4000K	40°	310	141	705	530	115	1205
SL220ZWBX30	Bronze		3000K	40°	300	136	682	520	113	1182
SL220ZWBX27	Bronze		2700K	40°	290	132	659	515	112	1171
SL220DWBX30	Stainless steel 316		3000K	40°	300	136	682	520	113	1182
SL220DWBX40	Stainless steel 316		4000K	40°	310	141	705	530	115	1205
SL220DWBX27	Stainless steel 316		2700K	40°	290	132	659	515	112	1171
SL220CWBX27	Copper		2700K	40°	290	132	659	515	112	1171

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	3
PL/IP/700 1-3	220-240V	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	2	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
PDC/GRID DIMMER	1-10V dimmer module	Sold separately	446
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold separately	273

Spike lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

High efficacy - up to 144lm/W

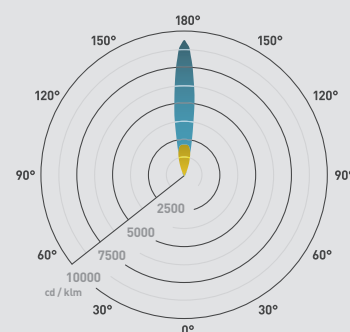
Single LED and lens combination for maximum efficiency and optimal light distribution

New stainless steel and anodised bronze finishes

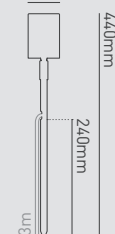
Higher light output than predecessor

Can be powered by either a 350mA or 700mA driver depending on desired light output

Beam angle: 40°



Ø62.5mm



Spike
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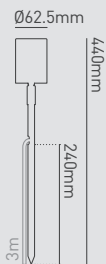
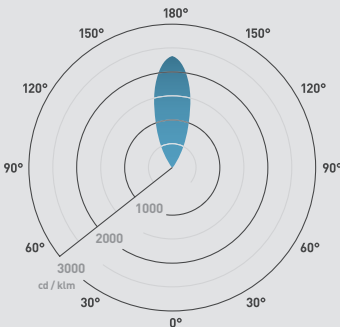
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- High efficacy - up to 93lm/W
- Single LED and lens combination for maximum efficiency and optimal light distribution
- New stainless steel and anodised bronze finishes
- Straight to mains for easier retrofit installations

Beam angle: 40°



SL220 MAINS

Straight to mains LED spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	N/A
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	60A 37µs
Construction material	Anodised aluminium Stainless Steel 316 Copper
Weight	SL220B: 512g SL220C: 1301g SL220D: 1000g SL220Z: 512g
Maximum ambient temperature	50°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SL220BWB40	Black	5.7W	4000K	40°	530	93	1205
SL220BWB30	Black	5.7W	3000K	40°	520	91	1182
SL220BWB27	Black	5.7W	2700K	40°	515	90	1171
SL220ZWB40	Bronze	5.7W	4000K	40°	530	93	1205
SL220ZWB30	Bronze	5.7W	3000K	40°	520	91	1182
SL220ZWB27	Bronze	5.7W	2700K	40°	515	90	1171
SL220DWB40	Stainless steel 316	5.7W	4000K	40°	530	93	1205
SL220DWB30	Stainless steel 316	5.7W	3000K	40°	520	91	1182
SL220DWB27	Stainless steel 316	5.7W	2700K	40°	515	90	1171
SL220CWB27	Copper	5.7W	2700K	40°	515	90	1171

WIRING INFORMATION

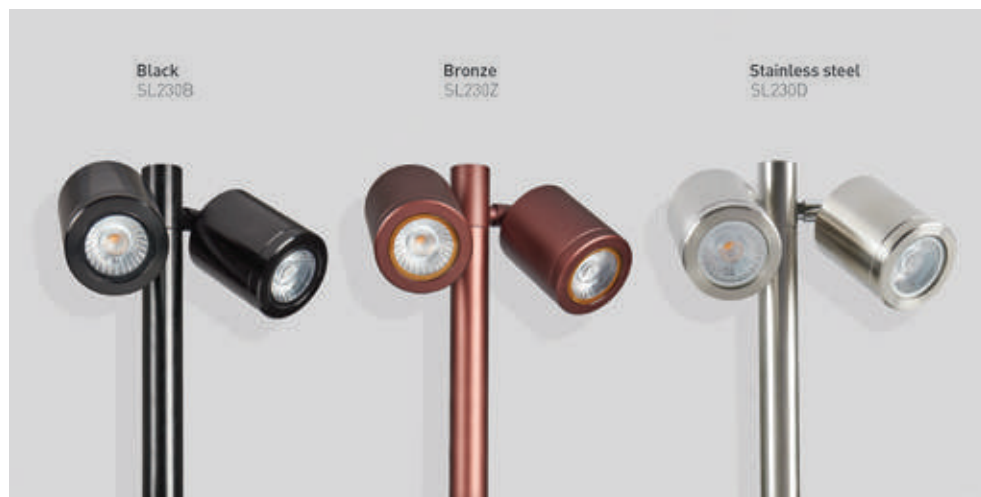
Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	-	-	-

ACCESSORIES

JB5	Gel filled waterproof connector	Sold separately	447
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold separately	273



SL230

Low voltage LED twin pole spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	330°
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium Stainless steel 316
Weight	Black: 1432g Bronze: 1401g Stainless steel: 3200g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	350mA			700mA		
					lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
SL230BWBX40	Black	4.4W (350mA) or 9.2W (700mA)	4000K	40°	620	144	2X 705	1060	114	2X 1205
SL230BWBX30	Black		3000K	40°	600	140	2X 682	1040	112	2X 1182
SL230BWBX27	Black		2700K	40°	580	135	2X 659	1030	111	2X 1171
SL230DWBX40	Stainless steel 316	4.4W (350mA) or 9.2W (700mA)	4000K	40°	620	144	2X 705	1060	114	2X 1205
SL230DWBX30	Stainless steel 316		3000K	40°	600	140	2X 682	1040	112	2X 1182
SL230DWBX27	Stainless steel 316		2700K	40°	580	135	2X 659	1030	111	2X 1171
SL230ZWBX40	Bronze	4.4W (350mA) or 9.2W (700mA)	4000K	40°	620	144	2X 705	1060	114	2X 1205
SL230ZWBX30	Bronze		3000K	40°	600	140	2X 682	1040	112	2X 1182
SL230ZWBX27	Bronze		2700K	40°	580	135	2X 659	1030	111	2X 1171

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	1	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold separately	273

Spike lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Adjustable pole-mounted twin heads are perfect for illuminating paths, steps and trees

Easily ground mounted with spiked pole and single cable for quick installation

Elegant and discreet finish

Available in both low voltage and mains voltage

Highly efficient: up to 114lm/W

The Spike Lights can be run on 350mA or 700mA drivers

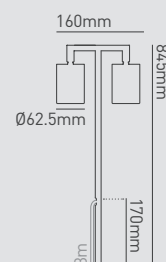
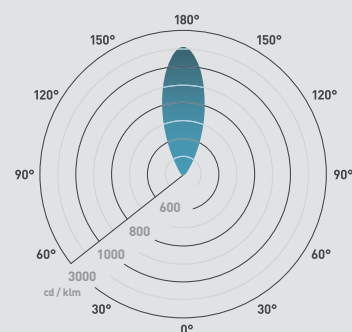
Stainless steel 316 making it ideal for coastal areas

700mA is ideal for lighting up tall features such as buildings or trees

Discreet cabling




Additional accessories also available such as hoods and snoots

Beam angle: 40°



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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Adjustable pole-mounted twin heads are perfect for illuminating paths, steps and trees

Easily ground mounted with spiked pole and single cable for quick installation

Elegant and discreet finish

Available in both low voltage and mains voltage

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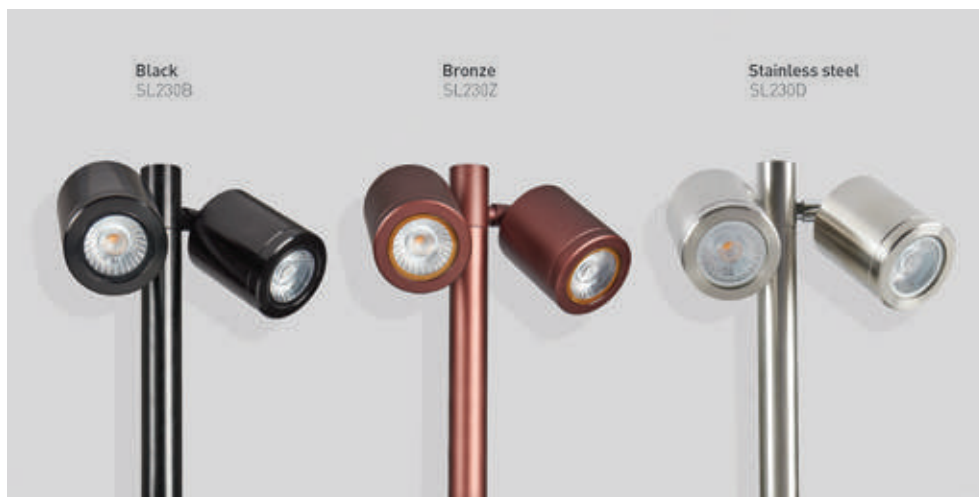
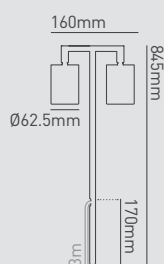
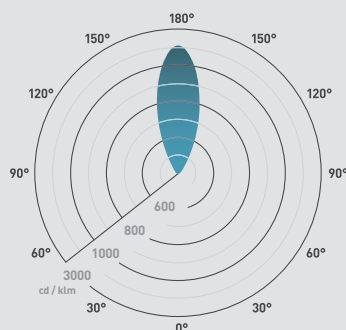
Stainless steel 316 making it ideal for coastal areas

700mA is ideal for lighting up tall features such as buildings or trees

Discreet cabling

Additional accessories also available such as hoods and snoots

Beam angle: 40°



SL230

Mains voltage LED twin pole spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	330°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	120A 37µs
Construction material	Anodised aluminium Stainless steel 316
Weight	Black: 1432g Bronze: 1401g Stainless steel: 3200g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SL230BWB40	Black	11.4W	4000K	40°	1060	93	2X 1205
SL230BWB30	Black	11.4W	3000K	40°	1040	91	2X 1182
SL230BWB27	Black	11.4W	2700K	40°	1030	90	2X 1171
SL230DWB40	Stainless steel 316	11.4W	4000K	40°	1060	93	2X 1205
SL230DWB30	Stainless steel 316	11.4W	3000K	40°	1040	91	2X 1182
SL230DWB27	Stainless steel 316	11.4W	2700K	40°	1030	90	2X 1171
SL230ZWB40	Bronze	11.4W	4000K	40°	1060	93	2X 1205
SL230ZWB30	Bronze	11.4W	3000K	40°	1040	91	2X 1182
SL230ZWB27	Bronze	11.4W	2700K	40°	1030	90	2X 1171

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

JB5	Gel filled waterproof connector	Sold separately	447
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold separately	273



SL240

Low voltage LED twin bar spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	330°
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Anodised aluminium Stainless steel 316
Weight	Black: 1584g Bronze: 1414g Stainless steel: 2600g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	350mA			700mA		
					lm	lm/W	lx at 1m	lm	lm/W	lx at 1m
SL240BWBX40	Black	4.4W (350mA) or 9.2W (700mA)	4000K	40°	620	144	2X 705	1060	114	2X 1205
SL240BWBX30	Black		3000K	40°	600	140	2X 682	1040	112	2X 1182
SL240BWBX27	Black		2700K	40°	580	135	2X 659	1030	111	2X 1171
SL240DWBX40	Stainless steel 316	4.4W (350mA) or 9.2W (700mA)	4000K	40°	620	144	2X 705	1060	114	2X 1205
SL240DWBX30	Stainless steel 316		3000K	40°	600	140	2X 682	1040	112	2X 1182
SL240DWBX27	Stainless steel 316		2700K	40°	580	135	2X 659	1030	111	2X 1171
SL240ZWBX40	Bronze	4.4W (350mA) or 9.2W (700mA)	4000K	40°	620	144	2X 705	1060	114	2X 1205
SL240ZWBX30	Bronze		3000K	40°	600	140	2X 682	1040	112	2X 1182
SL240ZWBX27	Bronze		2700K	40°	580	135	2X 659	1030	111	2X 1171

WIRING INFORMATION

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	1	1	2
PLD UNI-DRIVE 700MA	110-240V	Yes	Yes (1-10V)	1	1	3

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold separately	273

Spike lights.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Adjustable bar-mounted twin heads, ideal for discreet illumination of shrubbery, trees and other landscape features

Easily ground mounted with two spikes and single cable for quick installation

Elegant and discreet finish

Available in both low voltage and mains voltage

Highly efficient: up to 114lm/W

The Spike Lights can be run on 350mA or 700mA drivers

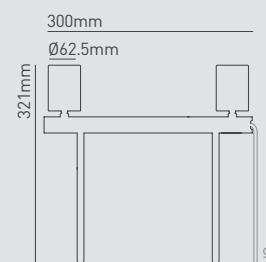
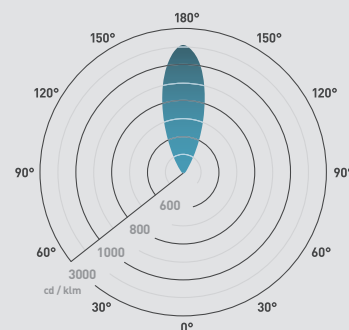
Stainless steel 316 making it ideal for coastal areas

700mA is ideal for lighting up tall features such as buildings or trees

Discreet cabling

Additional accessories also available such as hoods and snoots

Beam angle: 40°



Spike lights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

Adjustable bar-mounted twin heads, ideal for discreet illumination of shrubbery, trees and other landscape features

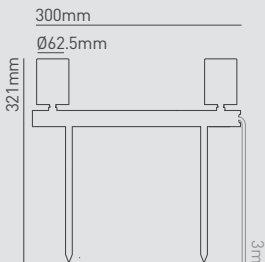
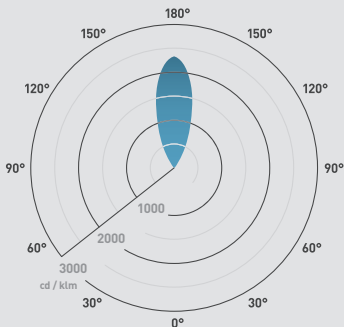
Easily ground mounted with two spikes and single cable for quick installation

Elegant and discreet black and bronze finishes

Available in both low voltage and mains voltage

Highly efficient up to 93lm/W

Beam angle: 40°



SL240

Mains voltage LED twin bar spike light

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	330°
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	120A 37µs
Construction material	Anodised aluminium Stainless steel 316
Weight	Black: 1584g Bronze: 1414g Stainless steel: 2600g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SL240BWM40	Black	11.4W	4000K	40°	1060	93	2X 1205
SL240BWM30	Black	11.4W	3000K	40°	1040	91	2X 1182
SL240BWM27	Black	11.4W	2700K	40°	1030	90	2X 1171
SL240DWM40	Stainless steel 316	11.4W	4000K	40°	1060	93	2X 1205
SL240DWM30	Stainless steel 316	11.4W	3000K	40°	1040	91	2X 1182
SL240DWM27	Stainless steel 316	11.4W	2700K	40°	1030	90	2X 1171
SL240ZWM40	Bronze	11.4W	4000K	40°	1060	93	2X 1205
SL240ZWM30	Bronze	11.4W	3000K	40°	1040	91	2X 1182
SL240ZWM27	Bronze	11.4W	2700K	40°	1030	90	2X 1171

WIRING INFORMATION

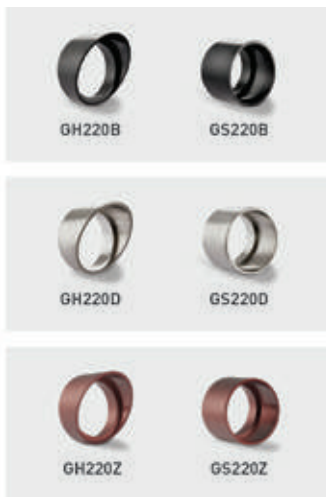
Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	Yes	No	2	-	-

ACCESSORIES

JB5	Gel filled waterproof connector	Sold separately	447
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold separately	273
GS220	Simple snoot to reduce glare whilst maintaining a good light distribution	Sold separately	273



GH220 | GS220

Low-glare, tapered hood | Low-glare, cylindrical snoot

INSTALLATION INFORMATION

Construction material	Anodised aluminium Stainless steel 316
Weight	Anodised aluminium hood 80g Anodised aluminium snoot 110g Stainless steel 316 hood 200g Stainless steel 316 snoot 310g

PRODUCT CODES

Product code	Finish	Description
GH220B	Black	Glare Hood, anodised black
GH220D	Stainless steel 316	Glare Hood, stainless steel 316
GH220Z	Bronze	Glare Hood, anodised bronze
GS220B	Black	Glare Snoot, anodised black
GS220D	Stainless steel 316	Glare Snoot, stainless steel 316
GS220Z	Bronze	Glare Snoot, anodised bronze

USE WITH

SL220	Low voltage LED spike light	267
SL220 MAINS	Straight to mains LED spike light	268
SL230	Low voltage LED twin pole spike light	269
SL230 MAINS	Mains voltage LED twin pole spike light	270
WL220 MAINS	Straight to mains adjustable LED wall light	241

Spike lights.

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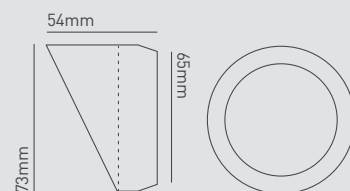
GUARANTEE / WARRANTY

7 year extended warranty

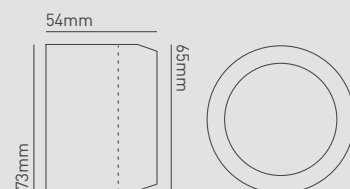
FEATURES & BENEFITS

- Supplied with fixtures & fittings
- Simple accessories for controlling glare
- Can be used on both spike light and wall light families for a consistent outdoor lighting installation

GH220






GS220



Spike lights.

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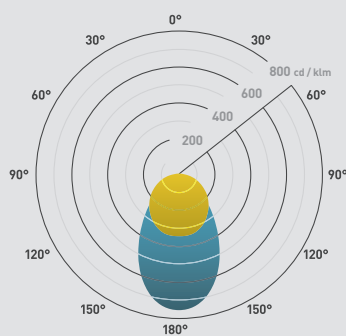
GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

- Low voltage product
- Robust cable for outdoor use
- Long lifetime of 70,000hrs

Beam angle: 60-110°



SL250

Low voltage LED path light with spike

FEATURES

IP rating	IP65
Colour flexibility	Fixed colour
Tilttable	N/A
Rotation angle	N/A
Input	Driver required (24V)
LED lifetime	50,000h L70 B10
CRI	>80Ra
SDCM	6SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	N/A
Construction material	Brass, copper or powder coated aluminium
Weight	1390g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SL250BPX0X40	Black powder coated aluminium	4W	4000K	60-110°	240	60	182 / 82
SL250BPX0X30	Black powder coated aluminium	4W	3000K	60-110°	220	55	167 / 75
SL250BPX0X27	Black powder coated aluminium	4W	2700K	60-110°	200	50	152 / 68
SL250ATX0X27	Brass, treated	4W	2700K	60-110°	200	50	152 / 68
SL250ATX0X30	Brass, treated	4W	3000K	60-110°	220	55	167 / 75
SL250ATX0X40	Brass, treated	4W	4000K	60-110°	240	60	182 / 82
SL250CTX0X27	Copper, treated	4W	2700K	60-110°	200	50	152 / 68

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS1524	220-240V	Yes	Yes (with PDCINT 1-10V)	-	1	3
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	-	1	7
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	-	1	18

See pages 432-443 for complete LED driver offer

ACCESSORIES

JB1 / JB5 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
WCR 275 BLACK	2-core rubber cable	Sold separately	447



SL250A1

Path light surface mount accessory

INSTALLATION INFORMATION

Construction material	Powder coated aluminium
Weight	138g

PRODUCT CODES




Product codes	Description
SL250A1	SL250 Black Powder Coated Aluminium Base Plate Accessory

USE WITH

SL250	Low voltage LED path light with spike	274
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Spike lights.

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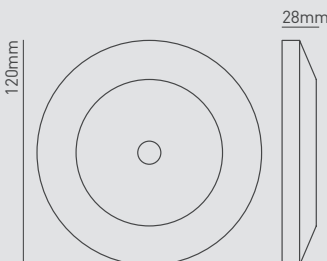
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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Quality brushed aluminium finish



Flexible bollards.

Wide choice to suit your application

Adding style and flair to any design scheme, bollards can add depth and dimension to a landscape, creating safer, 24-hour spaces.

Head options

Two broad styles are available to suit the majority of applications. The head options produce divergent lit effects and should be selected with the end result in mind.

General illumination

Ideal for general illumination of an area. The broad spread of light means that it is suitable for illuminating and marking paths, walkways as well as general area lighting.

BOL10



BOL20



Low glare

The low glare design has minimal upwards spill-light beyond 90°, maximising the efficiency of the lit effect and increasing visual comfort.

BOL30



Height options

Available in two heights, each of the bollards have a full-height and a half-height option, providing the perfect solution for any installation.

Half-height

A more discreet option whilst also having a greater intensity of light at ground level.



Full-height

A more prominent option that is tall enough to provide light over obstacles such as shrubbery.



Root mount

The root mounting kit is ideal for mounting a bollard into concrete. They simply attach to the bottom and anchor the bollard into place.



Straight to mains

The integral driver means that mains connections can be made inside the body of the bollard, quickly and simply. The screw terminal block clearly labels Live and Neutral, with provision for Earth.



Bespoke wooden bollards.

Purpose built in Great Britain, for your installation.



Adding style and flair to any design scheme, bollards can add depth and dimension to a landscape, creating safer, 24-hour spaces.

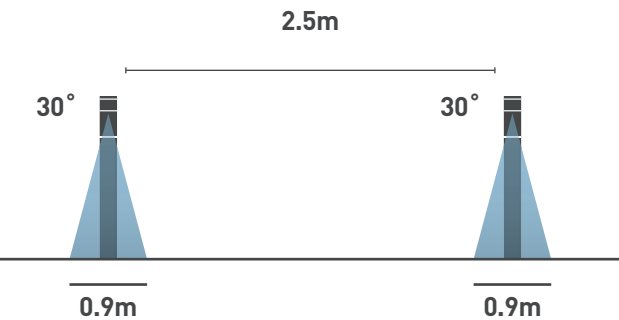
Single LED bollard

Use the single LED bollard to add new lighting to existing pathways, gardens or shared spaces. The remote SELV power supply provides increased flexibility when fitting. Long distances of cable can be concealed within trunking.

Bollards are often purposely positioned in a uniformed capacity to highlight a walkway; however, they can also be integrated into a landscape feature, maximising the overall design of the space.



For a pathway with consistent points highlighted:

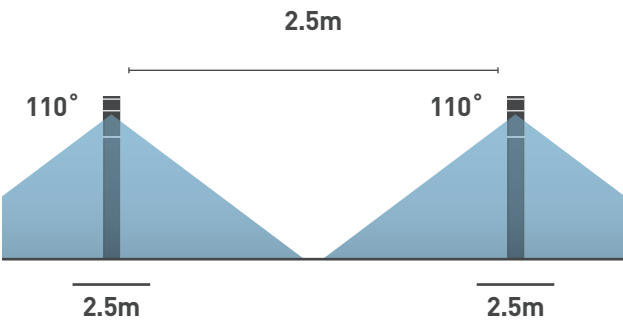


Triple LED bollard

Using an integral power supply, this direct to mains bollard is ideal for replacing existing bollard lighting, which may be looking tired or in need of replacement. It is easy to replace using existing cables or as part of a new build, where cables can easily be installed with minimum impact. Using three LEDs instead of one and with a wider beam angle, these products are capable of being positioned at greater distances whilst still creating an even spread of light.



For a pathway consistently lit at 30 lux:



Choice of material

Choose from three beautifully crafted woods to obtain the ideal aesthetic for your bollard.

Iroko



Oak



Sapele



Choice of style

Choose from three unique styles to suit your installation.

Domed



Chamfered



Pointed



Colour temperature

Choose between three available colour temperatures.

2700K



3000K



4000K



Choosing the ideal wooden bollard.

For your installation

Use the five easy steps below to ascertain the perfect bollard for your installation.

Do you prefer a bollard with single or triple LEDs?

Single LED bollard

Beam angle : 30°



Triple LED bollard

Beam angle : 110°



Which style head would you like?

Domed



Chamfered



Pointed



Which type of wood do you prefer?

Iroko



Oak



Sapele



Will the bollard be recessed or surface mounted?

Recessed mount

Side cable entry is required for recess mounting.



Surface mount

Base cable entry is required for surface mounting.



When surface mounting you will also need a bracket.

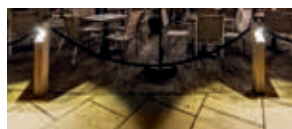


Partcode: BOL LED BRACKET

Which colour temperature do you need?

Warmest

For a warm cosy look use 2700K.



Warm

For the warmth of a halogen use 3000K.



Natural white

For a more neutral look use 4000K.



Now you've determined what you'll need, use the partcode generator on the next page to obtain the correct partcode.

Now you know what attributes you want, use the matrix below to work out which partcode you need.

Use the generator below to build your wooden bollards partcode based on the attributes you have selected.

The example shown is for a single LED with base cable entry, 2700K, iroko wood, domed head bollard, resulting in the partcode BL01DIB27. You can change each element to represent the bollard you need.

1	2	3	4	5	6
B L	0 1	D	I	B	2 7
	0 3	F	O	S	3 0
		P	S		4 0

1 Product type

B L Bollard

2 Single / triple LED

0 1 Single LED

0 3 Triple LED

3 Style

D Domed

F Chamfered

P Pointed

4 Material

I Iroko wood

O Oak wood

S Sapele wood

5 Cable entry

B Base entry

S Side entry

6 Colour temperature

2 7 2700K

3 0 3000K

4 0 4000K

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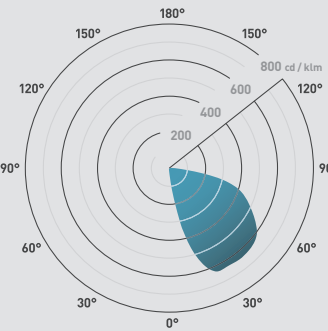
GUARANTEE / WARRANTY

7 year extended warranty

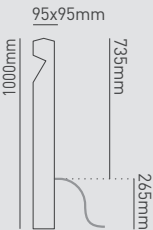
FEATURES & BENEFITS

- Choice of wood finishes: Iroko, Sapele or Oak
- Pointed, Chamfered or Domed top
- Choice of low-voltage or straight-to-mains
- Side-entry cable or base-entry cable options
- Three colour temperature options: 2700K, 3000K or 4000K

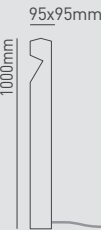
Beam angle: 110°



Recessed mount



Surface mount



BOL03

Straight to mains, Hand crafted and bespoke wooden bollard

FEATURES

IP rating	IP65
IK rating	N/A
Colour flexibility	Fixed colour
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes with appropriate treatment
Inrush current	17.9A 0.1ms
Construction material	See page 278-279
Weight	5500g
Maximum ambient temperature	35°C
SELV	N/A (Integrated SELV driver)
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
See page 278-279	5W	4000K	110°	246	49	104
	5W	3000K	110°	160	32	80
	5W	2700K	110°	156	31	78

WIRING INFORMATION

Cable / flying lead	NEW 1.5mm SY 2 Core PVC Steel Braid Cable
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	-	-	N/A	N/A	N/A

ACCESSORIES

BOL LED BRACKET	Stainless steel bracket for BOL LED range	Sold separately	282
JB5	Gel filled junction box	Sold separately	447



BOL01

Hand crafted and bespoke wooden bollard

FEATURES

IP rating	IP65
IK rating	N/A
Colour flexibility	Fixed colour
Input	350mA / 700mA
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Suitable for coastal areas	Yes with appropriate treatment
Inrush current	N/A
Construction material	See page 278-279
Weight	5800g
Maximum ambient temperature	35°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	350mA			700mA		
				lm	lm/W	Lx at 1m	lm	lm/W	Lx at 1m
See page 278-279	1W (350mA) or 2W (700mA)	4000K	26°	95	95	267	140	70	393
		3000K	26°	75	75	210	135	68	379
		2700K	26°	70	70	204	120	60	337

WIRING INFORMATION

Cable / flying lead	1.8m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PSIP3509W	220-240V	Yes	No	N/A	1	8
PLR/350 1-5	220-240V	Yes	No	N/A	1	5
PLU/700 3-9	220-240V	Yes	No	N/A	3	9

See pages 432-443 for complete LED driver offer

ACCESSORIES

BOL LED BRACKET	Stainless steel bracket for BOL LED range	Sold separately	282
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold separately	446-447
WCR 275 BLACK	2-core rubber cable	Sold separately	447

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Choice of wood finishes: Iroko, Sapele or Oak

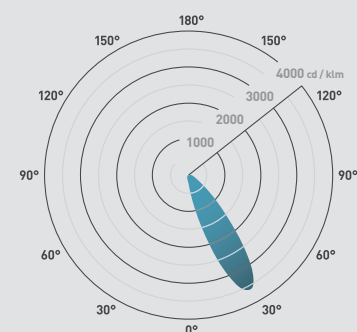
Pointed, Chamfered or Domed top

Choice of low-voltage or straight-to-mains

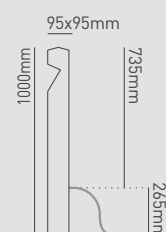
Side-entry cable or base-entry cable options

Three colour temperature options: 2700K, 3000K or 4000K

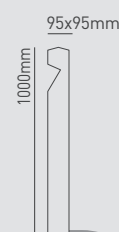
Beam angle: 26°



Recessed mount



Surface mount



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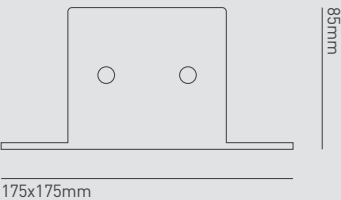
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GUARANTEE / WARRANTY

1 year extended warranty

FEATURES & BENEFITS

Supplied with stainless steel fixtures & fittings



BOL LED BRACKET

Stainless steel bracket for wooden bollard ranges

FEATURES

Construction material	Stainless steel (304)
Weight	1780g

PRODUCT CODE

Product code	Description
BOLBRACKET	Stainless steel bracket for BOL LED range

USE WITH

BOL01	Hand crafted and bespoke wooden bollard	Sold separately	281
BOL03	Straight to mains, Hand crafted and bespoke wooden bollard	Sold separately	280



BOL100 | BOL101 Post Light

Straight to mains IP54, 610lm post light

FEATURES

IP rating	IP54
IK rating	IK04
Colour flexibility	Fixed colour
Input	220-240V
LED lifetime	30,000h L70 B10
CRI	>80Ra
SDCM	<5

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	20A
Construction material	Aluminium/PVC
Weight	BOL100: 1.2Kg BOL101: 1.5Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Height	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
BOL100X30	Black	Midi	11W	3000K	338°	610	55	92
BOL101X30	Black	Full	11W	3000K	338°	610	55	92

WIRING INFORMATION

Cable required for connector	3 x 1.0mm ²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SLEV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

JB5	Waterproof junction box / Gel filled waterproof connectors	Sold separately	447
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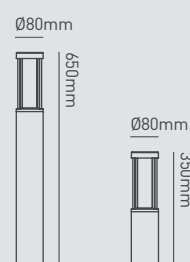
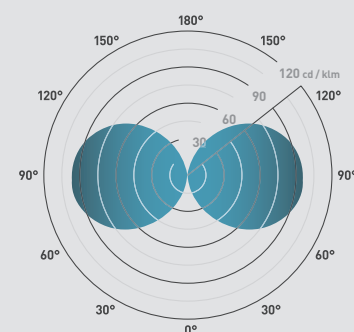
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

- Black powder coated finish
- Straight to mains screw terminals
- Ideal for residential landscape projects, such as lighting low level shrubs
- Can withstand rain with an IP54 rating
- Beam angle of 338° makes it ideal to light up car parking spaces and driveways
- High intensity of light with 610 lumens
- Great for soft illumination onto stone paths
- Large arc of light can be used to light multiple steps at once

Beam angle: 338°



Bollards.

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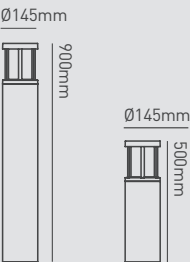
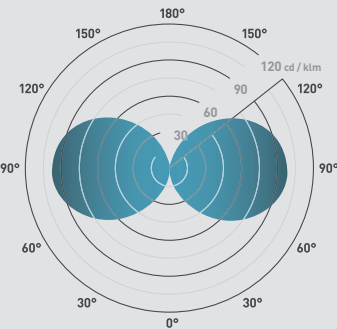
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

- Black powder coated finish
- Straight to mains screw terminals
- Comes complete with root mounting kit
- Perfect for any outdoor condition with an IP65 rating
- Low glare 360° illumination, ideal for pathways, boundary marking, or general illumination of exterior spaces
- High intensity of light with 930 lumens

Beam angle: 360°



BOL200 | BOL201 Bollard

Straight to mains, IP65, 930lm bollard

FEATURES

IP rating	IP65
IK rating	IK04
Colour flexibility	Fixed colour
Input	220-240V
LED lifetime	30,000h L70 B10
CRI	>80Ra
SDCM	<5

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	20A 0.5ms
Construction material	Aluminium/PVC
Weight	BOL200: 2.6Kg BOL201: 4.4Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Height	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
BOL200X30	Black	Midi	23W	3000K	360°	930	40	108
BOL201X30	Black	Full	23W	3000K	360°	930	40	108

WIRING INFORMATION

Cable required for connector	3 x 1.0mm ²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SLEV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

Root mount kit		Included	
JB5	Waterproof junction box / Gel filled waterproof connectors	Sold separately	447



BOL300 | BOL301 Bollard

Straight to mains, IP65, 500lm bollard

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
Input	220-240V
LED lifetime	30,000h L70 B10
CRI	>80Ra
SDCM	<5

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	20A
Construction material	Aluminium/PVC
Weight	BOL300: 2.9Kg BOL301: 4.6Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Height	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
BOL300X30	Black	Midi	23W	3000K	360°	500	22	144
BOL301X30	Black	Full	23W	3000K	360°	500	22	144

WIRING INFORMATION

Cable required for connector	3 x 1.0mm ²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SLEV driver)	220-240V	Yes	No	N/A	N/A	N/A

ACCESSORIES

Root mount kit	Included		
JB5	Waterproof junction box / Gel filled waterproof connectors	Sold separately	447

Bollards.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Black powder coated finish

Straight to mains screw terminals

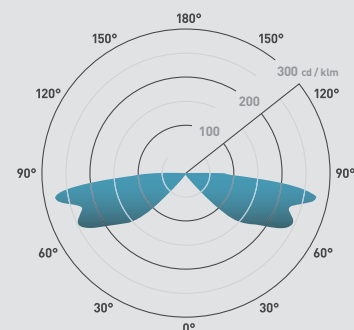
Comes complete with root mounting kit

Domed top for a low glare finish, and a minimum up spill of light making it comfortable on the eye

Perfect for any outdoor condition with an IP65 rating

Benefiting from light all round with a 360° beam angle

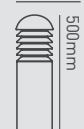
Beam angle: 360°



Ø150mm



Ø150mm



Residential floodlights.

Popular for illuminating environments with bright washes of light, floodlights are becoming an indispensable element of security in today's society. Our 10W and 20W floodlights offer a crisp, flicker-free light to compliment any CCTV recordings and ensuring a perfect image when played back, providing reassurance and peace of mind.

Not only this, the circular bracket provides full 360° orientation of the light - even after installation - allowing for incredible illumination for every requirement.

Should the installation requirements change in the future, the 360° control means the process is as simple as rotating the product in the desired direction. Colour switchable technology is also present with a convenient IP65 rated toggle switch, located on the back of the product. This can also be used after installation to aid you in choosing the right colour temperature for the environment.



Residential floodlights.

Functional and security lighting

The Collingwood residential floodlights have been upgraded to be the most efficient in the market, have an extended warranty of up to 5 years, IP65 PIR sensor and approval for installation in coastal areas.

IP65 directional PIR sensor

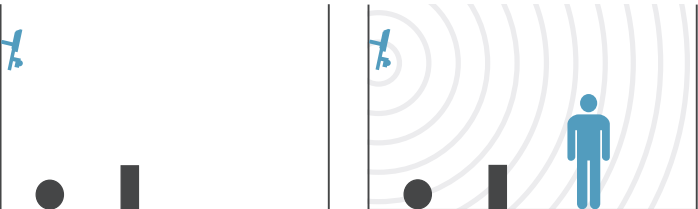
The IP65 rating provides optimum protection against the impacts of rainwater and general adverse weather conditions. The PIR sensor can rotate, meaning that the activation can occur in a different area to where the floodlight illuminates. For example, the sensor could be pointed to a door so that when a person exits the building a separate walkway is illuminated, increasing safety.

With the three adjustable toggles beneath the PIR sensor, customise settings such as motion sensitivity, lux levels and time required. Each option has a symbol clearly marked, from increasing to decreasing setting of each function. There is a manual override function which disables the PIR sensor when required.



How does it work

PIR sensors detect changes in heat within the surrounding space. When a new object enters the area the infrared energy levels change rapidly, this trips the sensor and turns on the light.



High efficacy

Up to 130lm/W, we're proud to offer our floodlights as the most energy efficient we've ever produced.

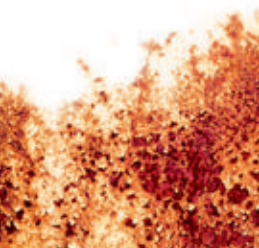
A cost saving over time and beneficial with regards to environmental welfare.



Coastal areas

With corrosion resistant protection and coastal protective paint our floodlights are perfect for use in coastal areas.

Rust protection



Salt mist protection



Colour switchable

We've designed this light with three colour temperatures which can be changed using an IP65 switch on the back.

3000K



4000K



6500K



Warranty

Standard

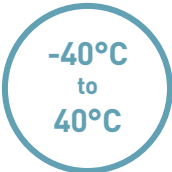
5-year extended warranty available.

With PIR

3-year extended warranty available.

Temperature range

Capable of performing in the extremist of conditions.



Flicker-free

The two benefits of a flicker-free light are:

Visual comfort

Flickering lights can create uncomfortable environments and health problems such as migraines, so flicker-free alternatives make for a more comfortable setting.

Security

Flickering floodlights disrupt the quality of CCTV images. However, using flicker-free alongside cameras will ensure a perfect, crisp image.

Adjustable bracket

With an adjustable bracket, our product can be positioned in any direction.

Flexibility and reliability

Combining 360° rotation and 180° tilt, this light can be pointed in any direction, ensuring you can illuminate a space from any position.



360° rotation

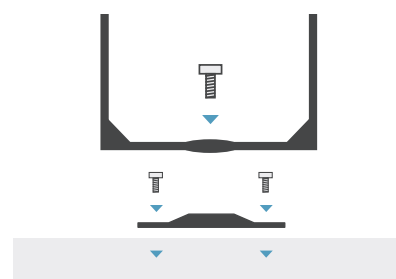
The product has a circular bracket at the end which allows it to be rotated in any direction. Once installed onto a wall, the light can be pointed in any direction with ease.

180° tiltable

The bracket directly attached to the floodlight allows the product to tilt both upwards and downwards.

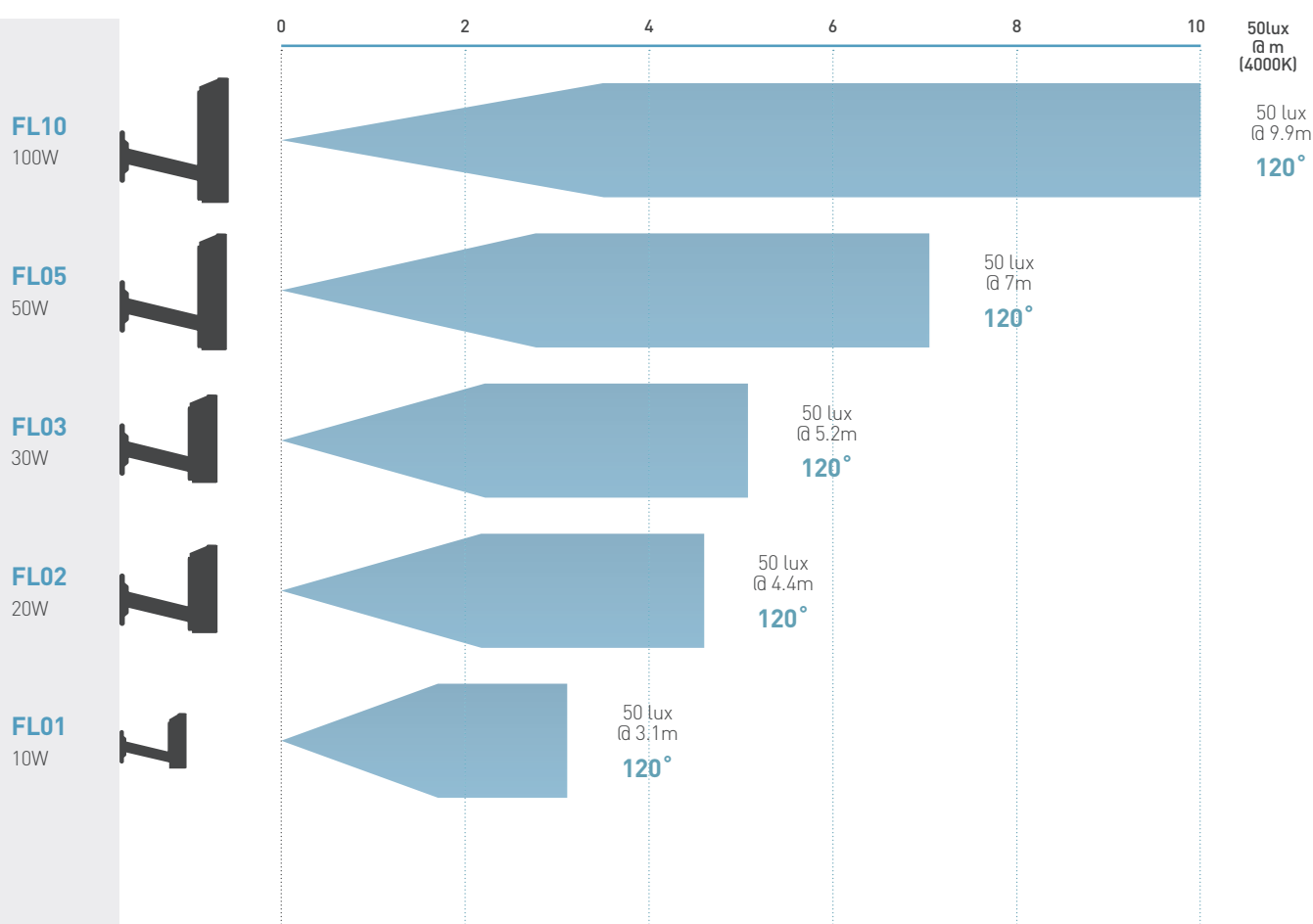
Easy installation

The circular bracket is detachable and can be mounted to the surface before the rest of the product, allowing for a remarkably easy installation. The product is then simply attached onto the bracket with screws and installation is completed.






Product comparison

Using the diagram below, determine which size product and output is suitable for your installation.



Residential floodlights.

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GUARANTEE / WARRANTY

5 year extended warranty. 3 year on PIR.

FEATURES & BENEFITS

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

High efficacy of up to 130lm/W, being the most energy efficient and providing cost savings over time

First mount, detachable circular bracket for speed of install

A unique 360° rotation for total flexibility, and a 180° tilt

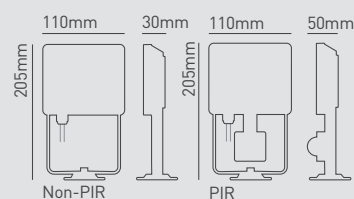
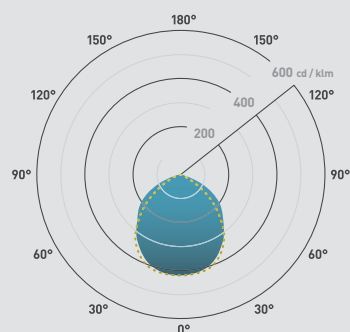
Supplied with 1m cable

Approved for coastal areas with a salt mist protective paint and has marine grade 316 stainless steel fixings

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

Beam angle: 120°



FL01

10W colour switchable floodlight

FEATURES

IP rating	IP65
IK rating	IK07
Colour flexibility	Colour switchable
Tilttable	180°
Rotation angle	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000 hours L70 B50
CRI	>80Ra
SDCM	5SDCM
Flicker free	Yes

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	10A 262μs
Construction material	Black painted cast aluminium
Weight	Non PIR: 440g PIR: 480g
Maximum ambient temperature	-40°C to 40°C
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Sensor	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
FL01BXCS	Black	Non PIR sensor	10W	6500K	120°	1300	130	463
				4000K	120°	1150	115	484
				3000K	120°	1100	110	421
FL01BPCS	Black	PIR sensor	10W	6500K	120°	1300	130	463
				4000K	120°	1150	115	484
				3000K	120°	1100	110	421

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required



FL02

20W colour switchable floodlight

FEATURES

IP rating	IP65
IK rating	IK07
Colour flexibility	Colour switchable
Tilttable	180°
Rotation angle	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000 hours L70 B50
CRI	>80Ra
SDCM	5SDCM
Flicker free	Yes

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	11A 474µs
Construction material	Black painted cast aluminium
Weight	Non PIR: 580g PIR: 620g
Maximum ambient temperature	-40°C to 40°C
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Sensor	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
FL02BXCS	Black	Non PIR sensor	20W	6500K	120°	2400	120	943
				4000K	120°	2400	120	986
				3000K	120°	2200	110	858
FL02BPCS	Black	PIR sensor	20W	6500K	120°	2400	120	943
				4000K	120°	2400	120	986
				3000K	120°	2200	110	858

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required

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GUARANTEE / WARRANTY

5 year extended warranty. 3 year on PIR.

FEATURES & BENEFITS

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

High efficacy of up to 120lm/W, being the most energy efficient and providing cost savings over time

First mount, detachable circular bracket for speed of install

A unique 360° rotation for total flexibility, and a 180° tilt

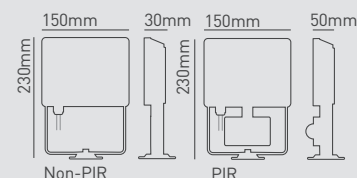
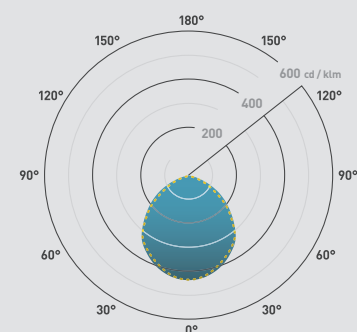
Supplied with 1m cable

Approved for coastal areas with a salt mist protective paint and has marine grade 316 stainless steel fixings

Wide 120° beam angle, reducing the number of fittings per area required




Performs in even more extreme conditions from -40°C to +40°C

Beam angle: 120°



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GUARANTEE / WARRANTY

5 year extended warranty. 3 year on PIR.

FEATURES & BENEFITS

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

High efficacy of up to 130lm/W, being the most energy efficient and providing cost savings over time

First mount, detachable circular bracket for speed of install

A unique 360° rotation for total flexibility, and a 180° tilt

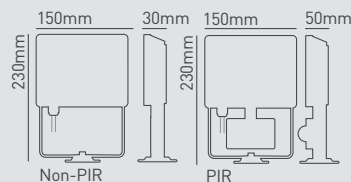
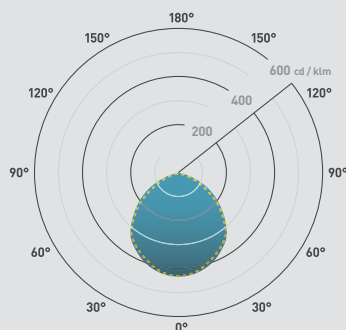
Supplied with 1m cable

Approved for coastal areas with a salt mist protective paint and has marine grade 316 stainless steel fixings

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

Beam angle: 120°



FL03

30W colour switchable floodlight

FEATURES

IP rating	IP65
IK rating	IK07
Colour flexibility	Colour switchable
Tilttable	180°
Rotation angle	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000 hours L70 B50
CRI	>80Ra
SDCM	5SDCM
Flicker free	Yes

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	30A 4μs
Construction material	Black painted cast aluminium
Weight	Non PIR: 590g PIR: 630g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Sensor	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
FL03BXCS	Black	Non PIR sensor	30W	6500K	120°	3900	130	1280
				4000K	120°	3300	110	1366
				3000K	120°	3000	100	1195
FL03BPCS	Black	PIR sensor	30W	6500K	120°	3900	130	1280
				4000K	120°	3300	110	1366
				3000K	120°	3000	100	1195

WIRING INFORMATION


Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel


ACCESSORIES


No accessories required

Residential floodlights.

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GUARANTEE / WARRANTY

5 year extended warranty. 3 year on PIR.

FEATURES & BENEFITS

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

High efficacy of up to 130lm/W, being the most energy efficient and providing cost savings over time

First mount, detachable circular bracket for speed of install

A unique 360° rotation for total flexibility, and a 180° tilt

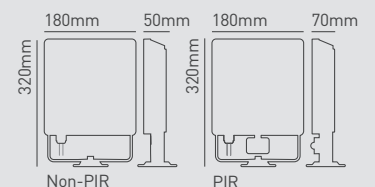
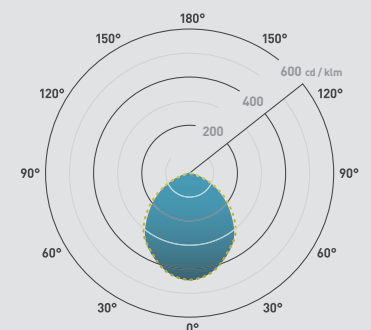
Supplied with 1m cable

Approved for coastal areas with a salt mist protective paint and has marine grade 316 stainless steel fixings

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

Beam angle: 120°



FL05

50W colour switchable floodlight

FEATURES

IP rating	IP65
IK rating	IK07
Colour flexibility	Colour switchable
Tilttable	180°
Rotation angle	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000 hours L70 B50
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	28A 13μs
Construction material	Black painted cast aluminium
Weight	Non PIR: 1220g PIR: 1250g
Maximum ambient temperature	-40°C to 40°C
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Sensor	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
FL05BXCS	Black	Non PIR sensor	50W	6500K	120°	5100	102	2230
				4000K	120°	5600	112	2449
				3000K	120°	5000	100	2230
FL05BPCS	Black	PIR sensor	50W	6500K	120°	5100	102	2230
				4000K	120°	5600	112	2449
				3000K	120°	5000	100	2230

WIRING INFORMATION




Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required

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GUARANTEE / WARRANTY

5 year extended warranty.

FEATURES & BENEFITS

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

High efficacy of up to 130lm/W, being the most energy efficient and providing cost savings over time

First mount, detachable circular bracket for speed of install

A unique 360° rotation for total flexibility, and a 180° tilt

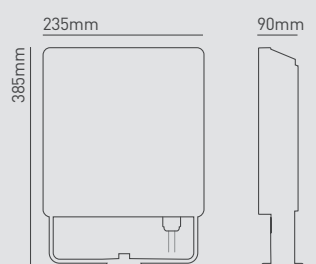
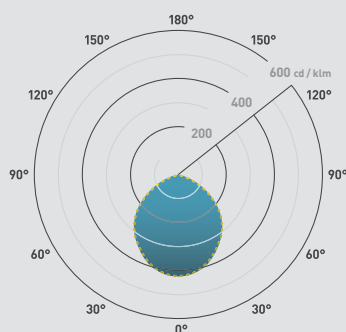
Supplied with 1m cable

Approved for coastal areas with a salt mist protective paint and has marine grade 316 stainless steel fixings

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

Beam angle: 120°



FL10

100W colour switchable floodlight

FEATURES

IP rating	IP65
IK rating	IK07
Colour flexibility	Colour switchable
Tilttable	180°
Rotation angle	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000 hours L70 B50
CRI	>80Ra
SDCM	4SDCM
Flicker free	Yes

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	75A 5μs
Construction material	Black painted cast aluminium
Weight	2100g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Sensor	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
FL10BXCS	Black	Non PIR sensor	100W	6500K	120°	10970	110	4575
				4000K	120°	11810	118	4926
				3000K	120°	10250	103	4275

WIRING INFORMATION

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required



FL200

Dimmable linear LED floodlight

FEATURES

IP rating	IP65
IK rating	N/A
Colour flexibility	Fixed colour
Tiltable	180°
Rotation angle	360°
UGR	N/A
Dimmable	Yes
Input	Mains AC
LED lifetime	70,000h L70 B10
CRI	>80Ra
SDCM	3SDCM
Flicker free	Yes

INSTALLATION INFORMATION

Suitable for coastal areas	Yes
Inrush current	15A 0.5ms
Construction material	Anodised aluminium (body) stainless steel 316 (bracket)
Weight	1300g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
FL200FNW	21W	4000K	50°	1830	87	4366
FL200FWW	21W	3000K	50°	1690	80	4032

WIRING INFORMATION

Cable / flying lead	N/A (IP65 waterproof connector)
Type of wiring required	Parallel

ACCESSORIES

Dimming options	Call us on 01604 495151 for more information
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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Neat and compact, straight to the mains linear floodlight

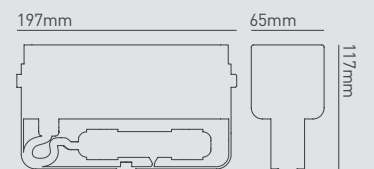
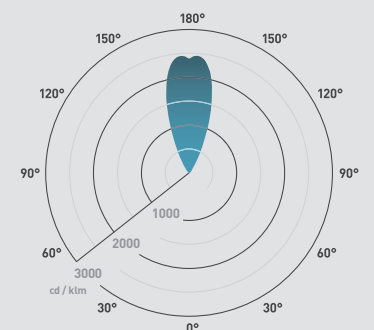
Complete with wall fixings

Mains waterproof connector included

Max. 3 on 500W mains dimmer
Max. 5 on 1000W mains dimmer

Compatible with many leading lighting control systems

Beam angle: 50°



Bulkheads.

Bulkhead lighting is a functional, and simple light that offers a solution to the requirement of lighting indoor communal spaces such corridors and stairways. They can be used in residential, commercial or industrial settings and can be attached to walls and ceilings. In addition to indoor use, this IP65 rated product is also ideal for use outdoors, whether it is for lighting pathways, car parks or highly-trafficked public areas.

Adding extra efficiency and security, our bulkheads can be purchased with microwave sensors which activate when motion is detected, ensuring appropriate illumination and conserving energy by only lighting when required. This dynamic product is also available in Collingwood's emergency pack service, wherein the lights have already been pre-wired, providing a flexible solution and peace of mind, ultimately reducing installation time.



Bulkheads.

Functional illumination

Ideal for exteriors and illuminating large outdoor spaces. This versatile product is also suitable for internal stairwells and where there is a requirement for well lit spaces by a high output luminaire.

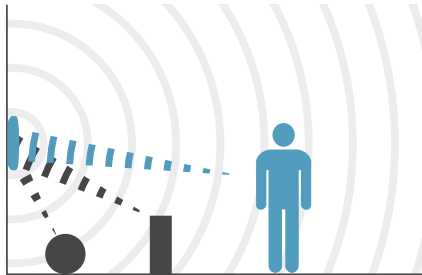
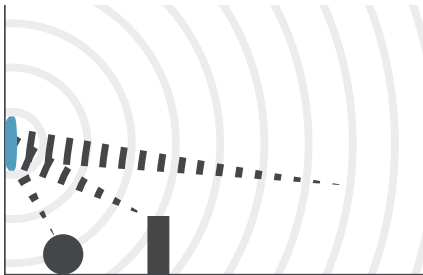
Microwave sensors

Microwave sensors create spaces that are energy efficient as the light will only activate when sensing motion nearby. The microwave option is perfect for areas with high footfall, such as public spaces, communal corridors and staircases.

How does it work

Microwave sensors send out pulses which bounce off nearby objects and measure the reflections.

When a moving object enters the area, the sensor receives a new reflection which trips the sensor and activates the light.



Microwave step-dim sensor

The sensor detects movement from up to 6 meters away and allows the user to set up two step-dim parameters, reducing the light output during stand-by period, saving energy whilst maintaining ambient illuminance for a prolonged period, until turns off, offering full control of the luminaire light output and the time it is on.

Colour switchable

Easily switch between three colour temperatures by using a switch on the inside of the product.

3000K



4000K



6500K



Lumen switchable

Easily switch between 2 lumen options on the WL95 by using a switch on the inside of the product.

10W



15W



Emergency pack service

In the event of a power outage, your emergency lighting system will illuminate a safe evacuation route. Ideal for commercial and high occupancy buildings such as office spaces, hospitals and hotels.

Collingwood Lighting's pre-wired emergency pack service option is available across our bulkhead range offering a flexible solution to compliment any lighting scheme. With this service, the wiring has already been completed so you don't have to, providing peace of mind and reducing installation time.

The emergency versions will remain illuminated for a minimum of three hours using Li-on batteries, and the convenient manual test feature will ensure that any failings will be clearly evident.

Bulkhead options

Choose between IP ratings and facias to get the perfect bulkhead for your installation.

Indoor IP44



WL94

Outdoor IP65



WL95



White eyelid



Black eyelid



Black grille

Easy installation

Our bulkheads offer the versatility of different mounting options,

WL95 Mounting options

Our bulkheads offer different mounting options, allowing for easier install and ensuring that the product is versatile enough to install in most environments.

Two-point cable entry

Cable can run through one of two potential entry points: top and bottom, or side to side, depending on orientation of the fitting.

Rear cable entry

The cable can exit through the back of the product, concealing it and ensuring maximum aesthetic appeal.

BESA box mountable

Our bulkheads have points for screws to pass through, allowing it to easily attach to a BESA box.

WL94 easy install bracket

The WL94 comes with a detachable bracket for quick and easy installation.

Simple push the quick release button to detach the bracket.



You can mount the bracket to surface and then easily attach the bulkhead.



Push-fit terminal

All our bulkheads come with push-fit terminals for quick and easy installation.



The WL94 comes with a removable twist and lock panel for easy access.



High efficacy

Our bulkheads have been upgraded to efficacy ratings up to 120lm/W for even more energy saving costs.

120lm/W

IK Rating

Designed to withstand tough environments.

IK07
or
IK10

IP Rating

IP44 & IP65 options for indoor and outdoor installations.

IP44
or
IP65

Bulkheads.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Colour switchable - 3000K, 4000K & 6500K, via a switch under the back cover

Up to 110lm/W efficacy offers low running costs

IP44 rating makes it suitable for use in kitchens and bathrooms

Diffuser design makes a halo effect on the wall or ceiling

Easy access push fit terminals

Innovative clip-on bracket design

Straight to mains

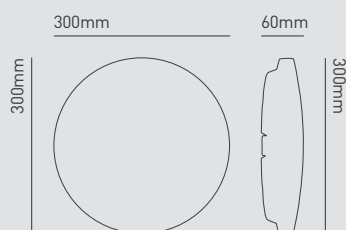
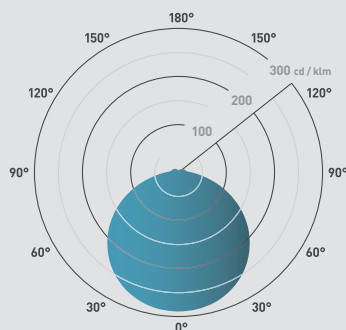
IP44 grommets included

Microwave step-dim dusk-down sensor, which is programmable by dip switches, saving energy by having it on only when needed

Emergency versions available. Lumen output in EM mode = 220lm

Flicker free, resulting in a more comfortable setting

Beam angle: 120°



300



WL94

IP44 LED Bulkhead

FEATURES

IP rating	IP44
IK rating	IK07
Colour flexibility	Colour switchable
Dimmable	No
Input	220-240V 50-60Hz
LED lifetime	35,000h L70 B50
CRI	>80Ra
Sensor	Microwave
SDCM	6
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install Connector Type	4 ways, push-fit
Bathroom zone	2
Inrush current	9.8A 50µs Emergency: 13.5A 100µs
Construction material	Polycarbonate Galvanized steel Bracket
Weight	830g
Maximum ambient temperature	-20° to 40°C
SELV	No
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL9410SCS	White	Standard	10W	6500K	120°	1100	110	317
				4000K	120°	1100	110	317
				3000K	120°	1000	100	288
WL9410ECS	White	Emergency	10W	6500K	120°	1100	110	317
				4000K	120°	1100	110	317
				3000K	120°	1000	100	288
WL9410MCS	White	Microwave Sensor	10W	6500K	120°	1100	110	317
				4000K	120°	1100	110	317
				3000K	120°	1000	100	288
WL9410CCS	White	Microwave and Emergency	10W	6500K	120°	1100	110	317
				4000K	120°	1100	110	317
				3000K	120°	1000	100	288

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

ACCESSORIES

No accessories required



WL94

IP44 LED Bulkhead

FEATURES

IP rating	IP44
IK rating	IK07
Colour flexibility	Colour switchable
Dimmable	No
Input	220-240V 50-60Hz
LED lifetime	35,000h L70 B50
CRI	>80Ra
Sensor	Microwave
SDCM	6
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install Connector Type	4 ways, push-fit
Bathroom zone	2
Inrush current	11A 110µs
Construction material	Polycarbonate Galvanized steel Bracket
Weight	830g
Maximum ambient temperature	-20° to 40°C
SELV	No
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL9418SCS	White	Standard	18W	6500K	120°	2000	111	576
				4000K	120°	2000	111	576
				3000K	120°	1800	100	518
WL9418ECS	White	Emergency	18W	6500K	120°	2000	111	576
				4000K	120°	2000	111	576
				3000K	120°	1800	100	518
WL9418MCS	White	Microwave Sensor	18W	6500K	120°	2000	111	576
				4000K	120°	2000	111	576
				3000K	120°	1800	100	518
WL9418CCS	White	Microwave and Emergency	18W	6500K	120°	2000	111	576
				4000K	120°	2000	111	576
				3000K	120°	1800	100	518

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

ACCESSORIES

No accessories required

Bulkheads.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Colour switchable - 3000K, 4000K & 6500K, via a switch under the back cover

Up to 111lm/W efficacy offers low running costs

IP44 rating makes it suitable for use in kitchens and bathrooms

Diffuser design makes a halo effect on the wall or ceiling

Easy access push fit terminals

Innovative clip-on bracket design

Straight to mains

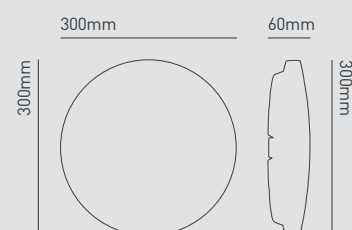
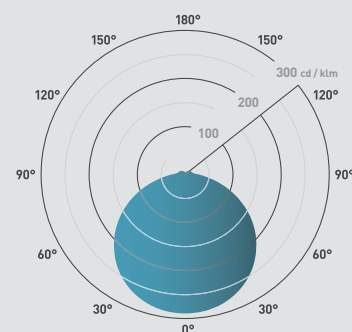
IP44 grommets included

Microwave step-dim dusk-down sensor, which is programmable by dip switches, saving energy by having it on only when needed

Emergency versions available. Lumen output in EM mode = 220lm




Flicker free, resulting in a more comfortable setting

Beam angle: 120°



Bulkheads.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Wattage switchable - 10W & 15W

Colour switchable - 3000K, 4000K & 6500K,
via a switch under the back cover

Slimline design

Multiple mounting options: BESA box, M20
conduit, cable glands

IP65 rated, making it perfect for using
outdoors

Up to 120lm/W efficacy offers low running
costs

Emergency versions available. Lumen
output in EM mode = 120lm

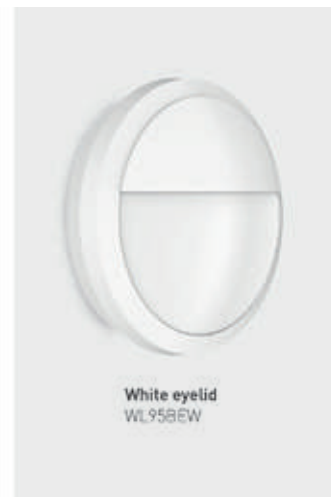
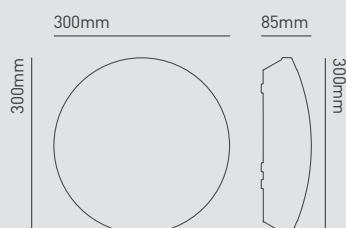
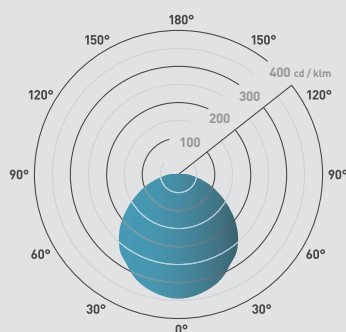
White eyelid bezel option available

Easy access push fit terminals

Microwave step-dim dusk-dawn sensor,
which is programmable by dip switches,
saving energy by having it on only when
needed

Flicker free, resulting in a more comfortable
setting

Beam angle: 115°



WL95

IP65 Wattage and Colour Switchable Bulkhead

FEATURES

IP rating	IP65
IK rating	IK10
Colour flexibility	Colour switchable
Dimmable	No
Input	220-240V 50-60Hz
LED lifetime	35,000h L70 B50
CRI	>80Ra
SDCM	6
Flicker free	Yes
Sensor	Microwave
Emergency version available	Yes

INSTALLATION INFORMATION

Install Connector Type	4 ways, push-fit
Bathroom zone	2
Inrush current	10A 50μs
Construction material	ABS Housing PC Diffuser
Weight	850g
Maximum ambient temperature	-20° to 40°C
SELV	No
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL9515SCS	White	Standard	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546
WL9515MCS	White	Microwave Sensor	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546
WL9515ECS	White	Emergency	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546
WL9515CCS	White	Microwave and Emergency	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

ACCESSORIES

WL95BEW	White Eyelid Accessory	Sold Separately	304
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WL95

Black finish, IP65 wattage and colour switchable bulkhead

FEATURES

IP rating	IP65
IK rating	IK10
Colour flexibility	Colour switchable
Dimmable	No
Input	220-240V 50-60Hz
LED lifetime	35,000h L70 B50
CRI	>80Ra
SDCM	6
Flicker free	Yes
Sensor	Microwave
Emergency version available	Yes

INSTALLATION INFORMATION

Install Connector Type	4 ways, push-fit
Bathroom zone	2
Inrush current	10A 50µs
Construction material	ABS Housing PC Diffuser
Weight	850g
Maximum ambient temperature	-20° to 40°C
SELV	No
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL9515SCSB	Black	Standard	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546
WL9515ECSB	Black	Emergency	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546
WL9515MCSB	Black	Microwave Sensor	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546
WL9515CCSB	Black	Microwave and Emergency	10-15W	6500K	115°	1200-1800	120-120	397-596
				4000K	115°	1200-1800	120-120	397-596
				3000K	115°	1100-1650	110-110	364-546

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

ACCESSORIES

WL95BE	Black Eyelid Accessory	Sold Separately	304
WL95BG	Black Grille Accessory	Sold Separately	304

Bulkheads.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Wattage switchable - 10W & 15W

Colour switchable - 3000K, 4000K & 6500K, via a switch under the back cover

Slimline design

Multiple mounting options: BESA box, M20 conduit, cable glands

IP65 rated, making it perfect for using outdoors

Up to 120lm/W efficacy offers low running costs

Emergency versions available. Lumen output in EM mode = 120lm

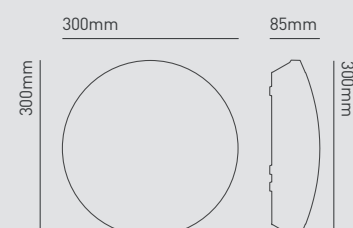
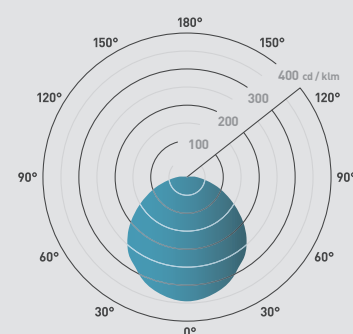
Multiple black bezel options available

Easy access push fit terminals

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 115°



Bulkheads.

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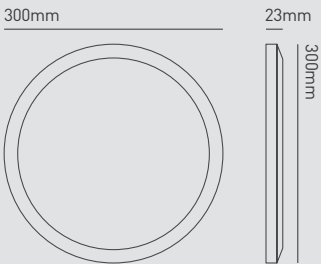
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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

- Used with WL95 bulkheads
- Easy field installation
- Slimline design
- Suitable to be used with microwave and emergency versions



WL95 Bezels

Fascia options for WL95 bulkhead range

INSTALLATION INFORMATION

Construction material	ABS Plastic
Weight	150g
Maximum ambient temperature	-20° to 40°C

PRODUCT CODE

Product code	Description
WL95BEW	WL95 Bulkhead Accessory - White Eyelid
WL95BE	WL95 Bulkhead Accessory - Black Eyelid
WL95BG	WL95 Bulkhead Accessory - Black Grille

USE WITH

WL95	IP65 wattage and colour switchable bulkhead	302-303
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Commercial.

Used in offices, hospitals and retail outlets, commercial lighting has to be functional, durable and serve the appropriate purposes. Consider the illumination of the space and the lux levels required. Consuming less power and having a much greater operating life than that of its more traditional competitors, LED lighting is being quickly adopted in this sector and rapidly proving numerous benefits.

Lighting in commercial spaces can have a huge impact on productivity, morale and basic health and safety. Fitting the correct lighting is massively important in creating a safe and comfortable working environment for all occupants. Not only can LED lighting offer financial, environmental and health benefits, it also allows a space to be controlled easily with the use of dimmers, sensors and smartphone devices. Collingwood's range of commercial lighting caters for all environments and is the ideal solution for your installation.



Solis.

Panels

The Solis range brings all the benefits of low glare LED technology to a commercial space.

Commercial panels

The addition of LED panels to the Collingwood collection means we can now provide a complete solution for your commercial lighting projects. Available in three different sizes, the new Solis range brings all the benefits of LED lighting to a conventional ceiling panel. Ideal for large open-plan commercial areas such as offices, shops, reception areas, schools and universities. All of our panels are back-lit, available in 30W, 40W and 60W options, and both TP(a) and TP(b) options. With a high efficacy of 110lm/W the Solis panels will provide cost and energy savings.

1200 x 600 mm



1200 x 300 mm



600 x 600 mm



Low UGR

Available in both ≤ 19 and ≤ 22 UGR ratings, these products are low glare and the UGR ≤ 19 options are in keeping with Chartered Institution of Building Services Engineers (CIBSE) recommendations. Suitable for office environments where reading, writing, meetings and computer-based work takes place.

UGR 19

UGR 22

Flicker-free

In line with Collingwood values, the best electrical components have been included in the product design. This has resulted in our confidence to assert that the panels are flicker free fittings.

Having flicker free panels result in a more comfortable working environment and increases employee satisfaction and productivity.



IP40

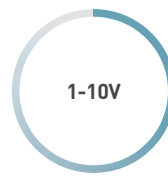
The build quality of our panel range ensures that they are IP40 rated as standard, making them suitable for indoor commercial uses, such as offices, receptions and education establishments.



Dimming options

A choice of two dimming options are available, DALI-2 or 1-10V.

The DALI-2 offers the flexibility for even the largest of applications, and the 1-10V is ideal for retro fitting into applications.



5 year extended warranty


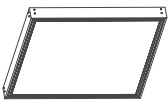

A 5 year extended warranty is available for that added peace of mind.



Which mounting method?

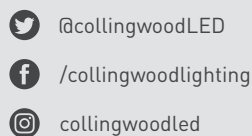
The surface mount frame is an ideal solution to mount panels in places without suspended ceiling grids and where recessed mounting is not possible. The frame screws easily into the ceiling and the panel will slide into the frame, with the remaining side screws on to finalise the installation.

The suspension kit allows the panel to be suspended from a ceiling, which is ideal for situations where recessed mounting is not possible. Installation is quick and easy – simply screw one end to the ceiling while the other side loops through the brackets supplied.

Which mounting method?	Product	Kit required for 600 x 600 mm	Kit required for 1200 x 300 mm	Kit required for 1200 x 600 mm
Suspended To suspend from ceiling	 Suspension kit	P1SK 2 x Suspensions supplied	P1SK 2 x Suspensions supplied	P1SKC 3 x Suspensions supplied
Surface To mount onto a solid surface	 Surface mount kit	P2SMA	P2SMB	P2SMC
Recessed To mount to a ceiling	 Panel	-	-	-

Panels.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Low glare for visual comfort

Each panel is compatible with our three-hour non-maintained emergency pack

Installation is quick and easy

Meets Blue Light Hazard Regulation RG0

Available in both TP(a) and TP (b) to suit your preference

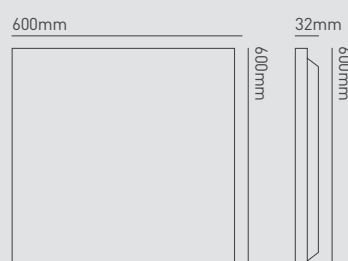
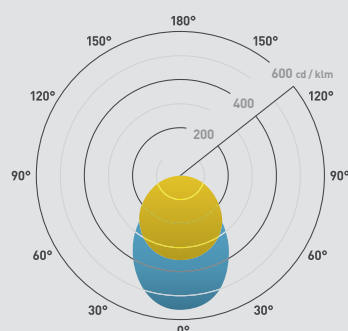
Suitable for reading, writing, meetings and computer-based work

Supplied with 1m long safety steel cable

Glow Wire Test:
P2 panels - 650°C
P3 panels - 850°C

High efficacy of 110lm/W

Beam angle: 90° 110°



Solis 600X600

600 x 600 LED panel

FEATURES

IP rating	IP40
IK rating	IK02
UGR	<19 <22
Sensor	No
Dimmable	Mains = No DALI 2 = Yes 1-10V = Yes
Input	220-240V
LED lifetime	50 000h L70B50
CRI	>80Ra
SDCM	<6
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Integrated terminals
Insulation coverable	Yes, contact us at 01604 495 151
Bathroom zone	N/A
Inrush current	<50A, 0.05ms
Construction material	PS(P2) Aluminium painted steel
Weight	UGR19- 2000g UGR22- 1750g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P & L
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Dimming	UGR	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
P2A19S30W	Non-Dim	UGR19 TP(a)	30W	4000K	90°	3300	110	1582
P2A19S40W	Non-Dim	UGR19 TP(a)	40W	4000K	90°	4400	110	2099
P2A19D30W	DALI 2	UGR19 TP(a)	30W	4000K	90°	3300	110	1582
P2A19D40W	DALI 2	UGR19 TP(a)	40W	4000K	90°	4400	110	2099
P2A19V30W	1-10V	UGR19 TP(a)	30W	4000K	90°	3300	110	1582
P2A19V40W	1-10V	UGR19 TP(a)	40W	4000K	90°	4400	110	2099
P2A22S30W	Non-Dim	UGR22 TP(b)	30W	4000K	110°	3300	110	1140
P2A22S40W	Non-Dim	UGR22 TP(b)	40W	4000K	110°	4400	110	1511
P2A22D30W	DALI 2	UGR22 TP(b)	30W	4000K	110°	3300	110	1140
P2A22D40W	DALI 2	UGR22 TP(b)	40W	4000K	110°	4400	110	1511
P2A22V30W	1-10V	UGR22 TP(b)	30W	4000K	110°	3300	110	1140
P2A22V40W	1-10V	UGR22 TP(b)	40W	4000K	110°	4400	110	1511

WIRING INFORMATION

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

ACCESSORIES

LEDEP10	3hr non-maintained self-test emergency pack	Sold separately	358
P1SK	Suspension kit for 600 x 600 & 1200 x 300 Panels.	Sold separately	313
P2SMA	Surface mount kit for 600 x 600 LED panel	Sold separately	313



Solis 1200X300

1200 x 300 LED panel

FEATURES

IP rating	IP40
IK rating	IK02
UGR	<19
Sensor	No
Dimmable	Mains = No DALI 2 = Yes 1-10V = Yes
Input	220-240V
LED lifetime	50 000h L70B50
CRI	>80Ra
SDCM	<6
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Integrated terminals
Insulation coverable	Yes, contact us at 01604 495 151
Bathroom zone	N/A
Inrush current	<50A, 0.05ms
Construction material	PC(P3) Aluminium painted steel
Weight	UGR19- 2100g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P & L
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Dimming	UGR	Wattage	Colour	Beam angle	lm	lm/W
P3B19S30W	Non-Dim	UGR19 TP(a)	30W	4000K	90°	3300	110
P3B19D30W	DALI 2	UGR19 TP(a)	30W	4000K	90°	3300	110
P3B19V30W	1-10V	UGR19 TP(a)	30W	4000K	90°	3300	110

WIRING INFORMATION

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

ACCESSORIES

LEDEP10	3hr non-maintained self-test emergency pack	Sold separately	358
P1SK	Suspension kit for 600 x 600 & 1200 x 300 Panels.	Sold separately	313
P2SMB	Surface mount kit for 1200 x 300 LED panel	Sold separately	313

Panels.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Low glare for visual comfort

Each panel is compatible with our three-hour non-maintained emergency pack

Installation is quick and easy

Meets Blue Light Hazard Regulation RG0

Available in both TP(a) and TP (b) to suit your preference

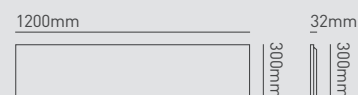
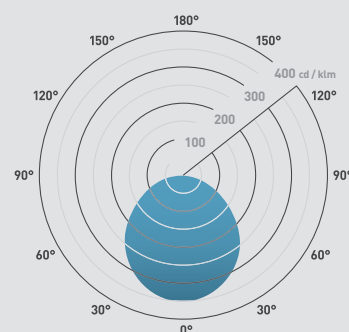
Suitable for reading, writing, meetings and computer-based work

Supplied with 1m long safety steel cable

Glow Wire Test:
P2 panels - 650°C
P3 panels - 850°C




High efficacy of 110lm/W

Beam angle: 90°



Panels.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Low glare for visual comfort

Each panel is compatible with our three-hour non-maintained emergency pack

Installation is quick and easy

Meets Blue Light Hazard Regulation RG0

Available in both TP(a) and TP (b) to suit your preference

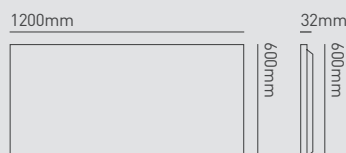
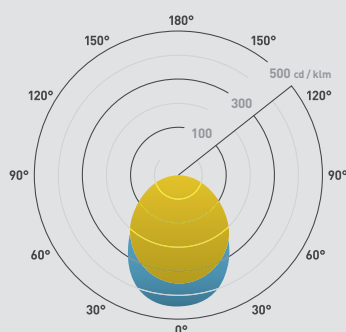
Suitable for reading, writing, meetings and computer-based work

Supplied with 1m long safety steel cable

Glow Wire Test:
P2 panels - 650°C
P3 panels - 850°C

High efficacy of 110lm/W

Beam angle: 90° 110°



Solis 1200X600

1200 x 600 LED panel

FEATURES

IP rating	IP40
IK rating	IK02
UGR	<19 <22
Sensor	No
Dimmable	Mains = No DALI 2 = Yes 1-10V = Yes
Input	220-240V
LED lifetime	50 000h L70B50
CRI	>80Ra
SDCM	<6
Flicker free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Integrated terminals
Insulation coverable	Yes, contact us at 01604 495 151
Bathroom zone	N/A
Inrush current	<50A, 0.05ms
Construction material	PS(P2) / PC(P3) Aluminium painted steel
Weight	UGR19- 4450g UGR22- 4300g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P & L
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Dimming	UGR	Wattage	Colour	Beam angle	lm	lm/W
P3C19S60W	Non-Dim	UGR19 TP(a)	60W	4000K	90°	6600	110
P3C19D60W	DALI 2	UGR19 TP(a)	60W	4000K	90°	6600	110
P3C19V60W	1-10V	UGR19 TP(a)	60W	4000K	90°	6600	110
P2C22S60W	Non-Dim	UGR22 TP(b)	60W	4000K	110°	6600	110
P2C22D60W	DALI 2	UGR22 TP(b)	60W	4000K	110°	6600	110
P2C22V60W	1-10V	UGR22 TP(b)	60W	4000K	110°	6600	110

WIRING INFORMATION

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

ACCESSORIES

LEDEP10	3hr non-maintained self-test emergency pack	Sold separately	358
P1SKC	Suspension kit for 1200 x 600 Panels.	Sold separately	313
P2SMC	Surface mount kit for 1200 x 600 LED panel	Sold separately	313



P1SK | P1SKC | P2SMA | P2SMB | P2SMC

Suspension & mounting kits for 600 x 600, 1200 x 300 & 1200 x 600 LED panels

INSTALLATION INFORMATION

Construction material	Steel / aluminium
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PRODUCT CODE

Product code	Description
P1SK	Suspension kit for 600 x 600 & 1200 x 300 panels
P1SKC	Suspension kit for 1200 x 600 panels
P2SMA	Surface mount kit for 600 x 600 LED panel
P2SMB	Surface mount kit for 1200 x 300 LED panel
P2SMC	Surface mount kit for 1200 x 600 LED panel

USE WITH

Solis 600 X 600	600 x 600 LED panel	310
Solis 1200 X 300	1200 x 300 LED panel	311
Solis 1200 X 600	1200 x 600 LED panel	312

Panels.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Mounting kits are ideal solution to mount panels in places without suspended ceiling grids and where recessed mounting is not possible

Suspension kits are ideal for situations where recessed mounting is not possible

Quick and easy installation

Available to use with various sized panels

Commercial downlights.

High output functional lighting

Our range of commercial downlights are suitable for countless applications such as office buildings, hospitals and hotels.

Colour switchable

Easily switch between three colour temperatures by using a conveniently located switch on the integral cable.

3000K



4000K



6500K



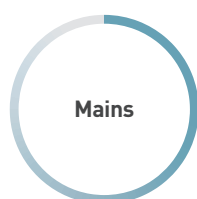
IP54

All of our commercial downlights have the added benefit of IP54 rating, allowing for installation near areas with water, such as bathrooms or water features.



Dimming options

As each installation is unique and has individual requirements, choose between mains, DALI or 1-10V dimming options.



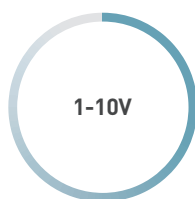
Mains

If your product has an integrated mains dimmable driver, no separate driver is required. This is classed as a 'straight to mains' product.



DALI

A DALI system can be structured in a way which allows LEDs to respond to certain rooms or zones. Each LED in the same zone will dim an equal amount.



1-10V

The 1-10V system allows all the LEDs which are connected to the 1-10V driver dim to an equal amount. Up to 10 power supplies can be linked to one dimmer for dimming multiple fittings.

5 year extended warranty

Across our entire commercial downlight range, we offer a five-year warranty, so you can be assured of our commitment to quality.



Emergency pack option

In the event of a power outage, your emergency lighting system will illuminate a safe evacuation route from commercial and high occupancy buildings such as office spaces, hospitals and hotels. The plug & play emergency pack can be used with each product in the range offering a flexible solution to complement any lighting scheme.

Choosing the ideal downlight.

For your installation

As every installation is different, it is important to choose the correct commercial downlight for the environment you are working with to ensure the best possible results.

Things to consider when choosing your commercial downlight

Follow the simple questions below to ascertain which commercial downlight is ideal for your installation. Then use the table to establish the part code of the required product.

What wattage do you need?

You will need to consider the distance between your light fittings.

The greater the distance between products, the higher wattage product you will need to illuminate the room.

The smaller the distance between products, the lower the wattage product you will need to illuminate the room.

What type of dimming do you need?

Mains

If your product has an integrated, mains dimmable driver, no separate driver is required. This is classed as a 'straight to mains' product.

DALI

A DALI system can be structured in a way which allows LEDs to respond to certain rooms or zones. Each LED in the same zone will dim an equal amount.

1-10V

The 1-10V system allows all the LEDs which are connected to the 1-10V driver dim to an equal amount. Up to 10 power supplies can be linked to one dimmer for dimming multiple fittings.

Do you need an emergency pack?

In the event of a power outage, your emergency lighting system will illuminate a safe evacuation route from commercial and high occupancy buildings such as office spaces, hospitals and hotels.

Is it a retro-fit & has a hole diameter of 240-290mm?

When retro-fitting commercial downlights, the previous downlight may have required a larger hole than is needed for our products.

For such instances, we have a converter plate that enables you to install our commercial downlight by creating an additional surface area for the product to slot in to. Our converter plate is compatible with the 24W and 32W Thea commercial downlights.






Partcode: DL801MW

Partcode	Wattage	Dimming	Emergency pack	Cut out (mm)
CDL0112M <small>Page 316</small>	12W	Mains	Yes	100
CDL0112D <small>Page 316</small>	12W	DALI	Yes	100
CDL0112V <small>Page 316</small>	12W	1-10V	Yes	100
CDL0116M <small>Page 317</small>	16W	Mains	Yes	150
CDL0116D <small>Page 317</small>	16W	DALI	Yes	150
CDL0116V <small>Page 317</small>	16W	1-10V	Yes	150

Partcode	Wattage	Dimming	Emergency pack	Cut out (mm)
CDL0124M <small>Page 318</small>	24W	Mains	Yes	200
CDL0124D <small>Page 318</small>	24W	DALI	Yes	200
CDL0124V <small>Page 318</small>	24W	1-10V	Yes	200
CDL0132M <small>Page 319</small>	32W	Mains	Yes	200
CDL0132D <small>Page 319</small>	32W	DALI	Yes	200
CDL0132V <small>Page 319</small>	32W	1-10V	Yes	200

Commercial downlights.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

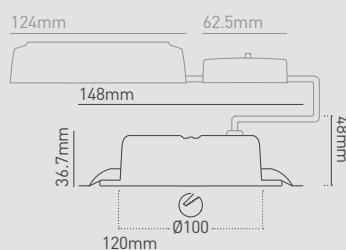
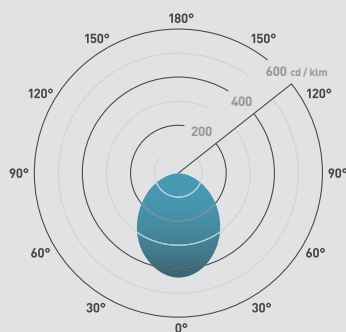
Colour switchable for ultimate flexibility

Highly efficient

Plug & play connector on driver for easy installation to luminaire

Mains dimmable as standard

Beam angle: 100°



Thea 12W

Colour switchable, dimmable, plug & play commercial downlight

FEATURES

IP rating	IP54
Colour flexibility	Colour switchable
Tilttable	No
UGR	UGR 32
Sensor	No
Dimmable	Yes
Input	Mains AC
LED lifetime	50,000h L70 B50
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play connector
Insulation coverable	No
Cut out size	100mm
Bathroom zone	2
Inrush current	Mains: 1.6A 16μs DALI: 40A, 350μs 1-10V: 40A, 350μs
Construction material	Aluminium
Maximum ceiling thickness	20mm
Weight	316g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	P and L
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Finish	Dimming	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
CDL0112M	Matt white	Mains	12W	6500K	100°	1300	108	512
				4000K	100°	1300	108	512
				3000K	100°	1200	100	471
CDL0112D	Matt white	DALI	12W	6500K	100°	1300	108	512
				4000K	100°	1300	108	512
				3000K	100°	1200	100	471
CDL0112V	Matt white	1-10V	12W	6500K	100°	1300	108	512
				4000K	100°	1300	108	512
				3000K	100°	1200	100	471

WIRING INFORMATION

Cable / flying lead	Terminals 0.75-1.5mm²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SELV driver)	220-240V	Yes	Yes	2 (Ceiling only)	N/A	N/A

ACCESSORIES

LEDEP10	3 hour non-maintained self-test emergency pack	Sold separately	358
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Thea 16W

Colour switchable, dimmable, plug & play commercial downlight

FEATURES

IP rating	IP54
Colour flexibility	Colour switchable
Tilttable	No
UGR	UGR 29
Sensor	No
Dimmable	Yes
Input	Mains AC
LED lifetime	50,000h L70 B50
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play connector
Insulation coverable	No
Cut out size	150mm
Bathroom zone	2
Inrush current	Mains: 1.7A 17µs DALI: 40A, 350µs 1-10V: 40A, 350µs
Construction material	Aluminium
Maximum ceiling thickness	20mm
Weight	484g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	P and L
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Dimming	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
CDL0116M	Matt white	Mains	16W	6500K	100°	1700	106	679
				4000K	100°	1700	106	679
				3000K	100°	1600	100	624
CDL0116D	Matt white	DALI	16W	6500K	100°	1700	106	679
				4000K	100°	1700	106	679
				3000K	100°	1600	100	624
CDL0116V	Matt white	1-10V	16W	6500K	100°	1700	106	679
				4000K	100°	1700	106	679
				3000K	100°	1600	100	624

WIRING INFORMATION

Cable / flying lead	Terminals 0.75-1.5mm²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SELV driver)	220-240V	Yes	Yes (Mains)	2 (Ceiling only)	N/A	N/A

ACCESSORIES

LEDEP10	3 hour non-maintained self-test emergency pack	Sold separately	358
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Commercial downlights.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

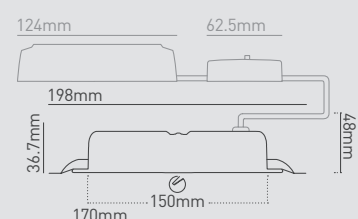
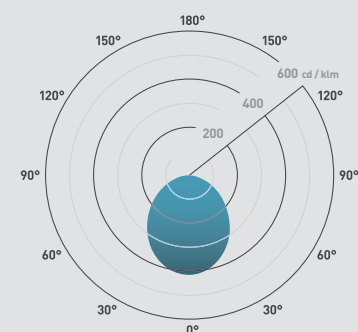
Colour switchable for ultimate flexibility

Highly efficient

Plug & play connector on driver for easy installation to luminaire




Mains dimmable as standard

Beam angle: 100°



Commercial downlights.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

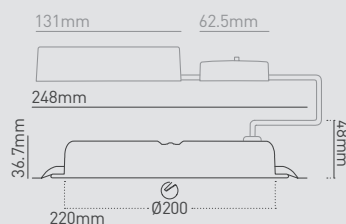
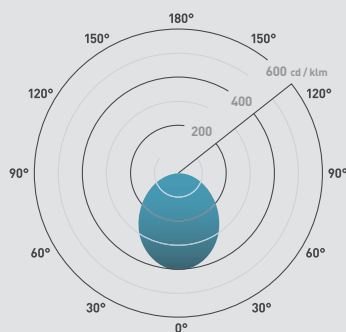
Colour switchable for ultimate flexibility

Highly efficient

Plug & play connector on driver for easy installation to luminaire

Mains dimmable as standard

Beam angle: 100°



Thea 24W

Colour switchable, dimmable, plug & play commercial downlight

FEATURES

IP rating	IP54
Colour flexibility	Colour switchable
Tilttable	No
UGR	UGR 30
Sensor	No
Dimmable	Yes
Input	Mains AC
LED lifetime	50,000h L70 B50
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play connector
Insulation coverable	No
Cut out size	200mm
Bathroom zone	2
Inrush current	Mains: 2.3A 9μs DALI: 40A, 350μs 1-10V: 40A, 350μs
Construction material	Aluminium
Maximum ceiling thickness	20mm
Weight	703g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	P and L
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Dimming	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
CDL0124M	Matt white	Mains	24W	6500K	100°	2800	117	1140
				4000K	100°	2800	117	1140
				3000K	100°	2600	108	1048
CDL0124D	Matt white	DALI	24W	6500K	100°	2800	117	1140
				4000K	100°	2800	117	1140
				3000K	100°	2600	108	1048
CDL0124V	Matt white	1-10V	24W	6500K	100°	2800	117	1140
				4000K	100°	2800	117	1140
				3000K	100°	2600	108	1048

WIRING INFORMATION

Cable / flying lead	Terminals 0.75-1.5mm²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SELV driver)	220-240V	Yes	Yes (Mains)	2 (Ceiling only)	N/A	N/A

ACCESSORIES

DL801MW	Converter plate	Sold separately	320
LEDEP10	3 hour non-maintained self-test emergency pack	Sold separately	358



Thea 32W

Colour switchable, dimmable, plug & play commercial downlight

FEATURES

IP rating	IP54
Colour flexibility	Colour switchable
Tilttable	No
UGR	UGR 30
Sensor	No
Dimmable	Yes
Input	Mains AC
LED lifetime	50,000h L70 B50
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Plug & Play connector
Insulation coverable	No
Cut out size	200mm
Bathroom zone	2
Inrush current	Mains: 2.9A 2.4µs DALI: 40A, 350µs 1-10V: 40A, 350µs
Construction material	Aluminium
Maximum ceiling thickness	20mm
Weight	703g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	P and L
Electric class [1, 2, 3]	2

PHOTOMETRICS @ 25°C

Product code	Finish	Dimming	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
CDL0132M	Matt white	Mains	32W	6500K	100°	3500	109	1338
				4000K	100°	3500	109	1338
				3000K	100°	3400	106	1230
CDL0132D	Matt white	DALI	32W	6500K	100°	3500	109	1338
				4000K	100°	3500	109	1338
				3000K	100°	3400	106	1230
CDL0132V	Matt white	1-10V	32W	6500K	100°	3500	109	1338
				4000K	100°	3500	109	1338
				3000K	100°	3400	106	1230

WIRING INFORMATION

Cable / flying lead	Terminals 0.75-1.5mm²
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
N/A (Integrated SELV driver)	220-240V	Yes	Yes (Mains)	2 (Ceiling only)	N/A	N/A

ACCESSORIES

DL801MW	Converter plate	Sold separately	320
LEDEP10	3 hour non-maintained self-test emergency pack	Sold separately	358

Commercial downlights.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

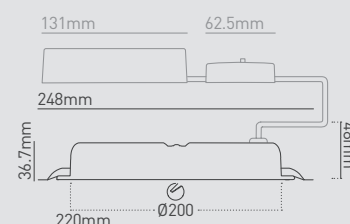
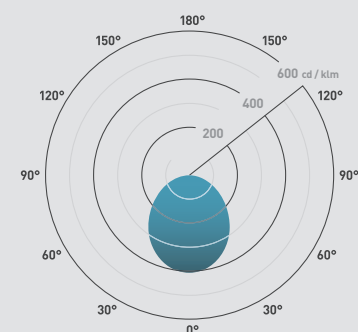
Colour switchable for ultimate flexibility

Highly efficient

Plug & play connector on driver for easy installation to luminaire

Mains dimmable as standard

Beam angle: 100°



Commercial downlights.

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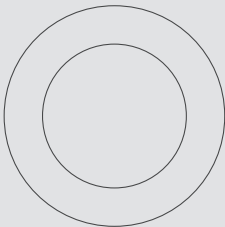
GUARANTEE / WARRANTY

1 year guarantee

FEATURES & BENEFITS

Can be used to conceal ceiling cutout that is larger than the diameter of a downlight

Ø319mm



DL801MW

Hole converter plate for CDL0124/CDL0132 range

INSTALLATION INFORMATION

Cut out size	240 -290mm
Construction material	Mild steel
Maximum ceiling thickness	20mm
Weight	380g

PRODUCT CODE

Product code	Finish	Description
DL801MW	Matt White	Hole converter plates for CDL0124/CDL0132 range Ø319mm

USE WITH

THEA 24W & 32W	Colour switchable, dimmable, plug & play commercial downlight range	318 - 319
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Retail lighting.

Flexible track and recessed lighting

Choose between track and recessed lighting in a variety of finishes to obtain the ideal product for your installation. Each product is available in rotatable and tiltable lenses, providing a flexible and functional solution.

Truer, brighter colour

The high colour rendering index (CRI >90) of this range ensures clothing and other materials look their best and enhances the appearance of textures and colour palettes.

Existing fittings

Can leave merchandise looking lifeless.



Collingwood retail

Allow the true colours of merchandise to stand out with CRI >90.



Choose white

The Collingwood retail range delivers on all fronts (3000K options only.) The high CRI of 90 provides a unique combination of warm, saturated colours as well as creating a natural, crisp whiteness. This works by activating fluorescent agents in paints and fabrics to ultimately display merchandise in its true colours. This is ideal for CDM / CMH replacements.



Conventional retail lighting

Materials may appear washed out or 'yellowed'.



High CRI technology

Show off the true vibrant colours of materials.

Low glare accessory

To illuminate areas of heavy traffic such as paypoints or customer service desks, add this honeycomb insert to provide a diffused light.



Product families

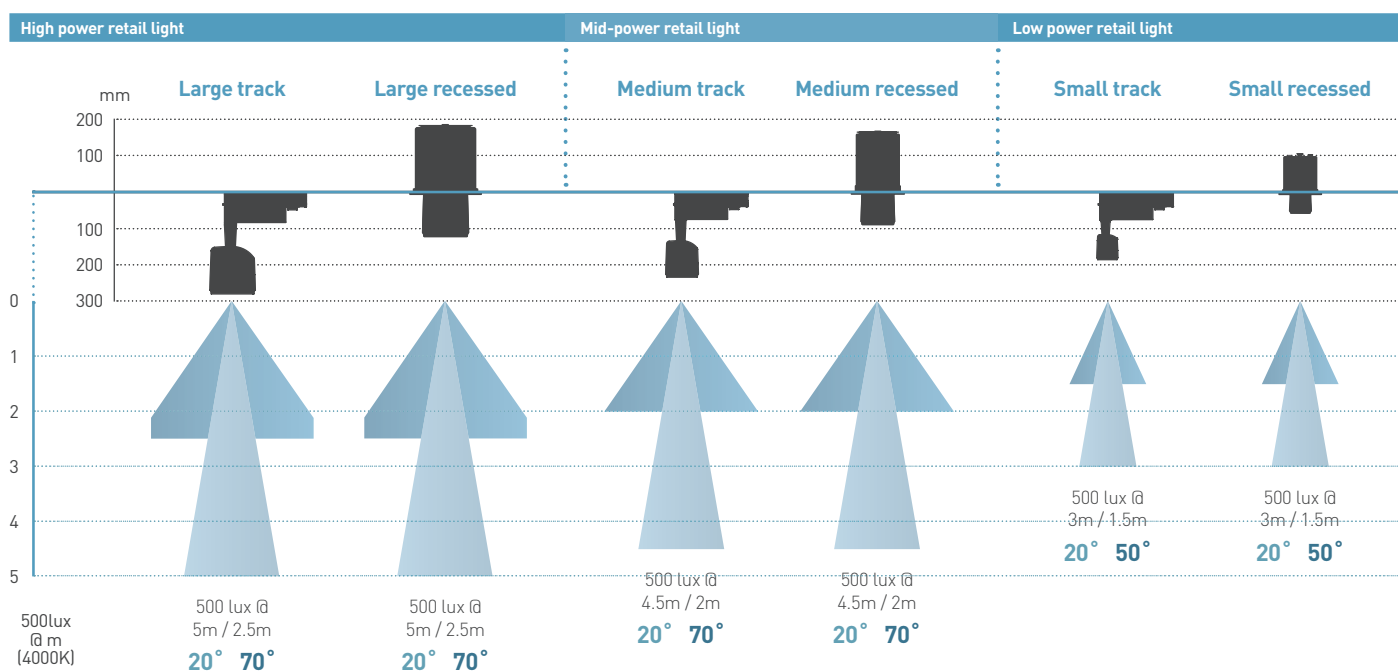
Many retail outlets have unique layouts which do not allow for a generic install. With Collingwood Lighting's family of retail products, it is possible to include a mixture of track and recessed luminaires to accommodate the bespoke requirements of a space. Small, medium or large track luminaires can be installed in close proximity to each other to project light where needed, or to accommodate low ceilings. Our products can be retrofitted into existing track schemes and are compatible with GlobalTM 3 circuit track.

Track lighting		Round recessed		Square recessed	
Large track lighting Product: TL		Large round recessed Product: RDSL		Large square recessed Product: SQSL	
Medium track lighting Product: TM		Medium round recessed Product: RDSM		Medium square recessed Product: SQSM	
Small track lighting Product: TS		Small round recessed Product: RDSS		Small square recessed Product: SQSS	

The Collingwood Lighting retail products are available in three different sizes and finishes, making it easy to create the perfect installation.

Product comparisons

Using the diagram below, work out which sized product and output is right for your needs.



Choosing the ideal track & components.

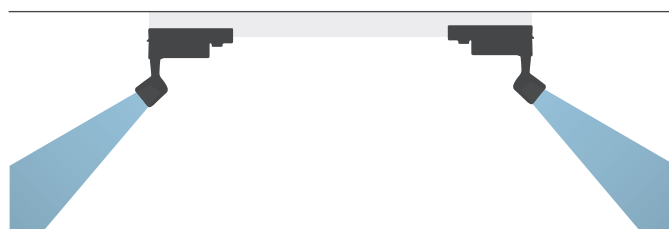
For your installation

Using the below information, create the ideal grid for your track lighting.

Retail displays are constantly evolving. The flexible nature of track lighting ensures that merchandise will remain beautifully lit wherever displays are positioned. The lighting can be moved along a purpose-built grid with the ability to rotate and tilt, ensuring ultimate flexibility.

When building a grid, it's important to consider where the majority of your merchandise will be displayed. All of our track lighting rotates 355°, and we recommend two track set-up options as shown in diagrams A and B below.

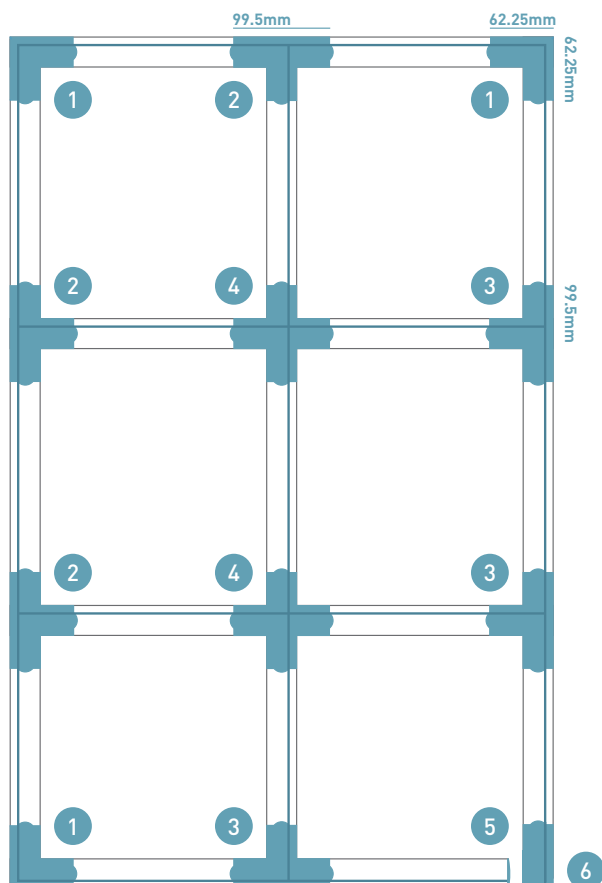
If the majority of merchandise is displayed on walls or outside the area of your grid, you will need to assemble an **'outside'** grid.



If the majority of merchandise is displayed under the grid, you will need to assemble an **'inside'** grid.



Outside grid



- 1 L - connector**
Use for corners.
See page 327 for partcodes.
- 2 T - connector**
Use to create a T-junction.
See page 327 for partcodes.
Use opposite T-connector mirrored.
- 3 T - connector (mirrored)**
Use to create a T-junction.
See page 327 for partcodes.
Use opposite T-connector.
- 4 X - connector**
Use to join a cross section.
See page 327 for partcodes.
- 5 End cap**
Completes the track.
See page 327 for partcodes.
- 6 Connector end feed**
Connects the grid to the mains.
See page 327 for partcodes.



Corner components

To increase the flexibility of the grid, there are three different types of connectors:

Fixed 90° corner

See page 327 for partcodes.

Flexible corner

See page 327 for partcodes.

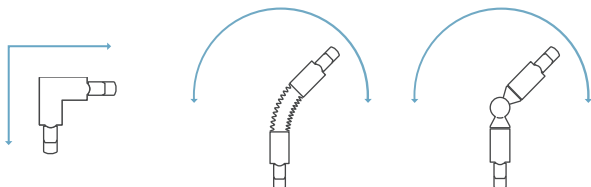
Adjustable corner

See page 327 for partcodes.

Fixed 90°

360°

200°



Track extensions

Track fixtures are available in 1m and 2m lengths. These can be cut shorter or increased using extensions, such as:

Straight connector

See page 327 for partcodes.

Extend sections of track using a straight connector. It sits concealed within the track, without adding extra length, for a neat and tidy finish.

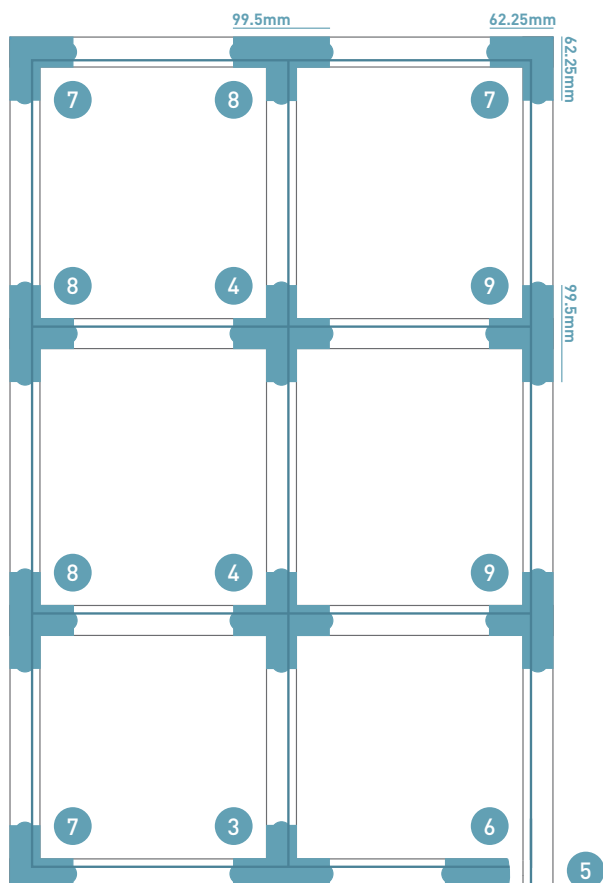
Connector middle feed

See page 327 for partcodes.

This extension adds 99.5mm length to the track. The connector middle feed allows the mains to be fed from the middle of a straight track.



Inside grid



7 L - connector

Use for corners.
See page 327 for partcodes.

8 T - connector

Use to create a T-junction.
See page 327 for partcodes.
Use opposite T-connector mirrored.

9 T - connector (mirrored)

Use to create a T-junction.
See page 327 for partcodes.
Use opposite T-connector.

4 X - connector

Use to join a cross section.
See page 327 for partcodes.

5 End cap

Completes the track.
See page 327 for partcodes.

6 Connector end feed



Connects the grid to the mains.
See page 327 for partcodes.



Choosing the ideal track & components.

For your installation

Using the table below, determine which components you'll require for your installation.

Choose the mounting method that's relevant to your installation	Clamps required	Choice of suspension kit	Choice of track
 <p>Suspension mount To suspend track from the ceiling</p>	 <p>Suspension mount clamp Black: SP4R2 White: SP4R3</p>	<div> <div>  <p>1m rod suspension Black: SPR62 White: SPR62</p> </div> <div>Or</div> <div>  <p>1.5m wire suspension Black: SPW12 White: SPW13</p> </div> <div>Must be used together</div> <div>  <p>Recessed ceiling clamp Black: SKB11R2 White: SKB11R3</p> </div> </div>	<p>1m surface track Black: XTS41002 White: XTS41003</p>  <p>2m surface track Black: XTS42002 White: XTS42003</p> 
 <p>Surface mount To mount track onto a solid surface</p>	 <p>Surface mount clamp Black: SKB122 White: SKB123</p>	-	<p>1m surface track Black: XTS41002 White: XTS41003</p>  <p>2m surface track Black: XTS42002 White: XTS42003</p> 
 <p>Surface mount to suspended ceiling To mount track on the surface of a suspended ceiling</p>	 <p>Suspended ceiling clamp Black: SKB11T2 White: SKB11T3</p>	-	<p>1m surface track Black: XTS41002 White: XTS41003</p>  <p>2m surface track Black: XTS42002 White: XTS42003</p> 
 <p>Recessed mount To mount track flush to a ceiling</p>	-	<div> <div>  <p>1.5m wire suspension Black: SPW12 White: SPW13</p> </div> <div>Must be used together</div> <div>  <p>Recessed ceiling clamp Black: SKB11R2 White: SKB11R3</p> </div> </div>	<p>1m recessed track Black: XTSF41002 White: XTSF41003</p>  <p>2m recessed track Black: XTSF42002 White: XTSF42003</p> 

Use a bending tool to bend the internal copper cores to allow for an electrical connection.

Partcode: XTSV12



Track required

A connector end feed and an end cap are essential

Connector end feed

Black: XTS112
White: XTS113



End cap

Black: XTS412
White: XTS413



Connector end feed

Black: XTS112
White: XTS113



End cap

Black: XTS412
White: XTS413



Connector end feed

Black: XTS112
White: XTS113



End cap

Black: XTS412
White: XTS413



Connector end feed

Black: XTS112
White: XTS113



End cap

Black: XTS412
White: XTS413



Choose the appropriate connectors for your grid

Remember to consider if your grid has an 'outside' or 'inside' set up (Page 324 - 325)

Outside grid connectors



Straight connector

Black: XTS212
White: XTS213



Connector middle feed

Black: XTS142
White: XTS143



Flexible corner

Black: XTS232
White: XTS233



Adjustable corner

Black: XTS242
White: XTS243



L-connector

Black: XTS352
White: XTS353



X-connector

Black: XTS382
White: XTS383



T-connector

Black: XTS392
White: XTS393



T-connector mirrored

Black: XTS362
White: XTS363

OR

Inside grid connectors



Straight connector

Black: XTS212
White: XTS213



Connector middle feed

Black: XTS142
White: XTS143



Flexible corner

Black: XTS232
White: XTS233



Adjustable corner

Black: XTS242
White: XTS243



L-connector

Black: XTS342
White: XTS343



X-connector

Black: XTS382
White: XTS383



T-connector

Black: XTS372
White: XTS373



T-connector mirrored

Black: XTS402
White: XTS403

Cover plates

For concealing components



Feed cover plate

Black: XTSF102
White: XTSF103

Use with:
Connector end feed
and...
Connector middle feed






Connector cover plate

Black: XTSF302
White: XTSF303

Use with:
X-connector
and...
all L-connectors
and...
all T-connectors

Retail lighting.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Compatible with Global™ 3 circuit track

Available in white and black finishes

Choice of colour temperatures and beam angles



Large track

38W LED track light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	N/A
Inrush current	31A, 0.18ms
Construction material	Steel / aluminium / polycarbonate
Weight	1220g
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
TLBLK2040	Black	38W	4000K	20°	2800	74	12950
TLBLK7040	Black	38W	4000K	70°	2800	74	2400
TLWH2040	White	38W	4000K	20°	2800	74	12950
TLWH7040	White	38W	4000K	70°	2800	74	2400
TLBLK2030	Black	38W	3000K	20°	2100	55	10300
TLBLK7030	Black	38W	3000K	70°	2100	55	1850
TLWH2030	White	38W	3000K	20°	2100	55	10300
TLWH7030	White	38W	3000K	70°	2100	55	1850

WIRING INFORMATION

Cable / flying lead	3 circuit track
Type of wiring required	Parallel

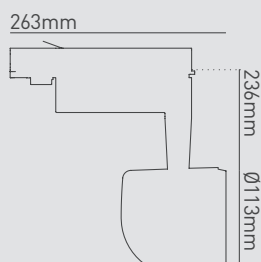
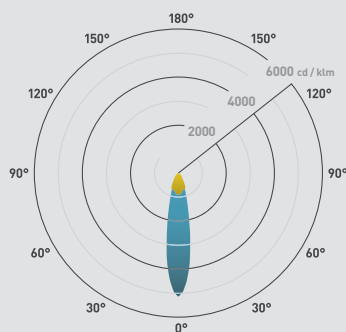
LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.90	Yes	N/A	N/A	N/A	N/A

ACCESSORIES

TRACK ACCESSORIES	Global™ lighting track and accessories	Sold separately	326
RHCL	Glare reducing honeycomb baffle	Sold separately	331

Beam angle: 20° 70°





Medium track

31W LED track light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	N/A
Inrush current	21.4A, 0.008ms
Construction material	Steel / aluminium / polycarbonate
Weight	820g
Maximum ambient temperature	40°C
SELV	Yes
Electric class {1, 2, 3}	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
TMBLK2040	Black	31W	4000K	20°	2000	64	10140
TMBLK7040	Black	31W	4000K	70°	2000	64	2100
TMWH2040	White	31W	4000K	20°	2000	64	10140
TMWH7040	White	31W	4000K	70°	2000	64	2100
TMBLK2030	Black	31W	3000K	20°	1700	55	8900
TMBLK7030	Black	31W	3000K	70°	1700	55	1750
TMWH2030	White	31W	3000K	20°	1700	55	8900
TMWH7030	White	31W	3000K	70°	1700	55	1750

WIRING INFORMATION

Cable / flying lead	3 circuit track
Type of wiring required	Parallel

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.90	Yes	N/A	N/A	N/A	N/A

ACCESSORIES

TRACK ACCESSORIES	Global™ lighting track and accessories	Sold separately	326
RHCM	Glare reducing honeycomb baffle	Sold separately	331

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Fully adjustable luminaire. Direct light as required

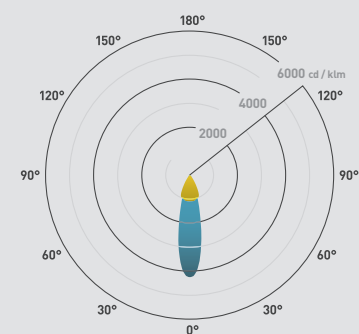
>90Ra CRI makes colours bolder

Compatible with Global™ 3 circuit track

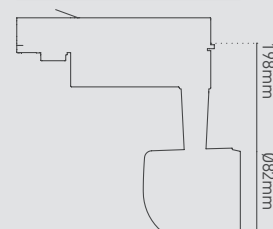
Available in white and black finishes

Choice of colour temperatures and beam angles

Beam angle: 20° 70°






226.5mm



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Compatible with Global™ 3 circuit track

Available in white and black finishes

Choice of colour temperatures and beam angles



Small track

16W LED track light

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	No
Input	Mains AC
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	N/A
Bathroom zone	N/A
Inrush current	5.5A, 0.015ms
Construction material	Steel / aluminium / polycarbonate
Weight	420g
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
TSBLK2040	Black	16W	4000K	20°	1000	62	4140
TSBLK5040	Black	16W	4000K	50°	1000	62	1650
TSWH2040	White	16W	4000K	20°	1000	62	4140
TSWH5040	White	16W	4000K	50°	1000	62	1650
TSBLK2030	Black	16W	3000K	20°	750	48	3200
TSBLK5030	Black	16W	3000K	50°	750	48	1300
TSWH2030	White	16W	3000K	20°	750	48	3200
TSWH5030	White	16W	3000K	50°	750	48	1300

WIRING INFORMATION

Cable / flying lead	3 circuit track
Type of wiring required	Parallel

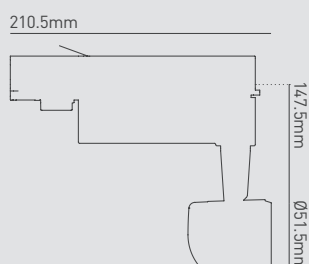
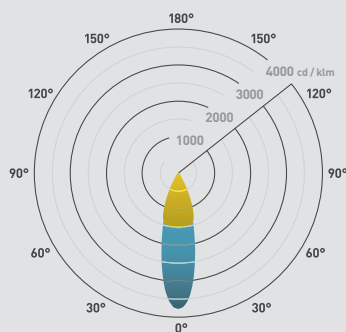
LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	220-240V	>0.90	Yes	N/A	N/A	N/A	N/A

ACCESSORIES


TRACK ACCESSORIES	Global™ lighting track and accessories	Sold separately	326
RHCS	Glare reducing honeycomb baffle	Sold separately	331


Beam angle: 20° 50°




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GUARANTEE / WARRANTY

1 year extended warranty

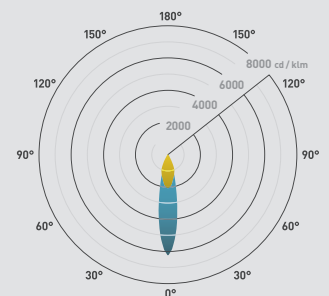
FEATURES & BENEFITS

Add this honeycomb insert to the Collingwood retail products to provide a diffused light

To illuminate areas of heavy traffic e.g. pay points or customer service desks

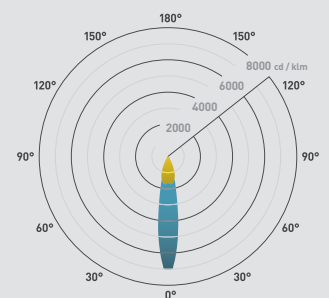
RDSL | SQSL | LARGE TRACK

Beam angle: 20° 70°



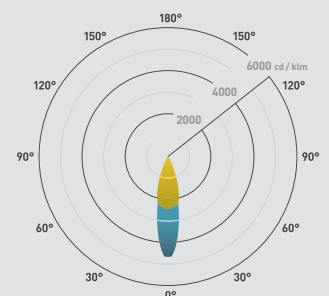
RDSM | SQSM | MEDIUM TRACK

Beam angle: 20° 70°



RDSS | SQSS | SMALL TRACK

Beam angle: 20° 50°



RHCL | RHCM | RHCS

Glare reducing honeycomb baffle

INSTALLATION INFORMATION

Construction material	Steel / Aluminium
Weight	RHCL 27g RHCM 16g RHCS 8g

PRODUCT CODES




Product codes	Description
RHCL (Large)	Glare reducing honeycomb baffle
RHCM (Medium)	Glare reducing honeycomb baffle
RHCS (Small)	Glare reducing honeycomb baffle

USE WITH

RHCL		RHCM		RHCS	
RDSL	332	RDSM	334	RDSS	336
SQSL	333	SQSM	335	SQSS	337
LARGE TRACK	328	MEDIUM TRACK	329	SMALL TRACK	330

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

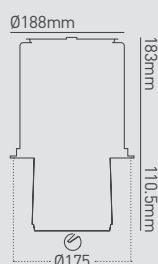
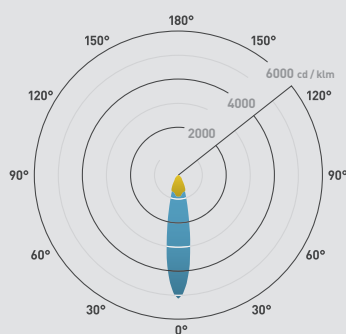
Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Choice of colour temperatures and beam angles

Ideal for retail and hospitality environments

Beam angle: 20° 70°



RDSL

Large, round, recessed, 32W adjustable LED downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	Yes
Input	900mA
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 175mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium / steel
Weight	1760g
Maximum ambient temperature	40°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
RDSLBLK2040	Black	32W	4000K	20°	2800	88 (73)	12950
RDSLBLK7040	Black	32W	4000K	70°	2800	88 (73)	2400
RDSLWH2040	White	32W	4000K	20°	2800	88 (73)	12950
RDSLWH7040	White	32W	4000K	70°	2800	88 (73)	2400
RDSLBLK2030	Black	32W	3000K	20°	2100	66 (55)	10300
RDSLBLK7030	Black	32W	3000K	70°	2100	66 (55)	1850
RDSLWH2030	White	32W	3000K	20°	2100	66 (55)	10300
RDSLWH7030	White	32W	3000K	70°	2100	66 (55)	1850

WIRING INFORMATION

Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PSDIM900	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	1
PSDAL900M	220-240V	>0.95	Yes	Yes (DALI)	N/A	1	1

ACCESSORIES

RHCL	Glare reducing honeycomb baffle	Sold separately	331
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



SQSL

Large, square, recessed, 32W adjustable LED downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	Yes
Input	900mA
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	160x160mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium / steel
Weight	1920g
Maximum ambient temperature	40°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
SQSLBLK2040	Black	32W	4000K	20°	2800	88 (73)	12950
SQSLBLK7040	Black	32W	4000K	70°	2800	88 (73)	2400
SQSLWH2040	White	32W	4000K	20°	2800	88 (73)	12950
SQSLWH7040	White	32W	4000K	70°	2800	88 (73)	2400
SQSLBLK2030	Black	32W	3000K	20°	2100	66 (55)	10300
SQSLBLK7030	Black	32W	3000K	70°	2100	66 (55)	1850
SQSLWH2030	White	32W	3000K	20°	2100	66 (55)	10300
SQSLWH7030	White	32W	3000K	70°	2100	66 (55)	1850

WIRING INFORMATION

Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PSDIM900	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	1
PSDAL900M	220-240V	>0.95	Yes	Yes (DALI)	N/A	1	1

ACCESSORIES

RHCL	Glare reducing honeycomb baffle	Sold separately	331
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

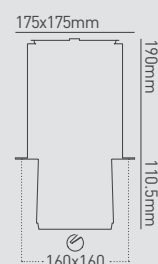
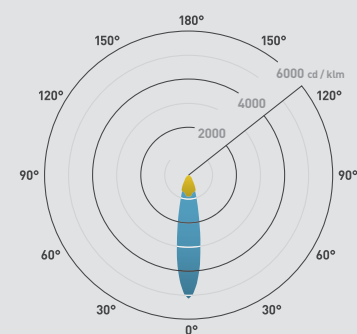
Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Choice of colour temperatures and beam angles




Ideal for retail and hospitality environments

Beam angle: 20° 70°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

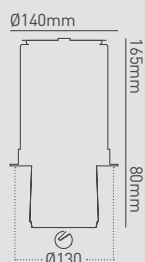
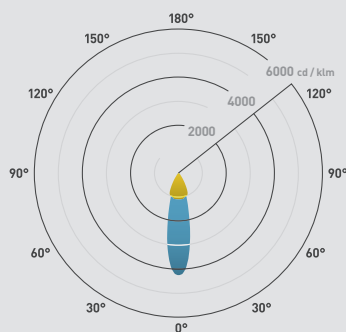
Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Choice of colour temperatures and beam angles

Ideal for retail and hospitality environments

Beam angle: 20° 70°



RDSM

Medium, round, recessed, 26W adjustable LED downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	Yes
Input	700mA
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 130mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium / steel
Weight	1080g
Maximum ambient temperature	40°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
RDSMBLK2040	Black	26W	4000K	20°	2000	77 (64)	10140
RDSMBLK7040	Black	26W	4000K	70°	2000	77 (64)	2100
RDSMWH2040	White	26W	4000K	20°	2000	77 (64)	10140
RDSMWH7040	White	26W	4000K	70°	2000	77 (64)	2100
RDSMBLK2030	Black	26W	3000K	20°	1700	65 (54)	8900
RDSMBLK7030	Black	26W	3000K	70°	1700	65 (54)	1750
RDSMWH2030	White	26W	3000K	20°	1700	65 (54)	8900
RDSMWH7030	White	26W	3000K	70°	1700	65 (54)	1750

WIRING INFORMATION

Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 700MA	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	1
PSDIM700	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	2
PSDAL700M	220-240V	>0.95	Yes	Yes (DALI)	N/A	1	2

ACCESSORIES

RHCM	Glare reducing honeycomb baffle	Sold separately	331
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



SQSM

Medium, square, recessed, 26W adjustable LED downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	Yes
Input	700mA
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	125x125mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium / steel
Weight	1260g
Maximum ambient temperature	40°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
SQSMBLK2040	Black	26W	4000K	20°	2000	77 (64)	10140
SQSMBLK7040	Black	26W	4000K	70°	2000	77 (64)	2100
SQSMWH2040	White	26W	4000K	20°	2000	77 (64)	10140
SQSMWH7040	White	26W	4000K	70°	2000	77 (64)	2100
SQSMBLK2030	Black	26W	3000K	20°	1700	65 (54)	8900
SQSMBLK7030	Black	26W	3000K	70°	1700	65 (54)	1750
SQSMWH2030	White	26W	3000K	20°	1700	65 (54)	8900
SQSMWH7030	White	26W	3000K	70°	1700	65 (54)	1750

WIRING INFORMATION

Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 700MA	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	1
PSDIM700	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	2
PSDAL700M	220-240V	>0.95	Yes	Yes (DALI)	N/A	1	2

ACCESSORIES

RHCM	Glare reducing honeycomb baffle	Sold separately	331
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

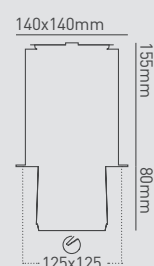
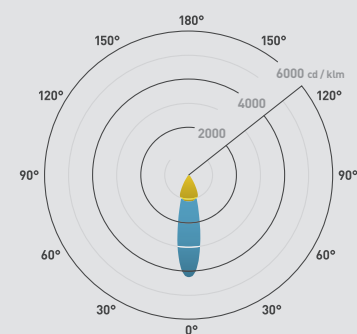
Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Choice of colour temperatures and beam angles




Ideal for retail and hospitality environments

Beam angle: 20° 70°



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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

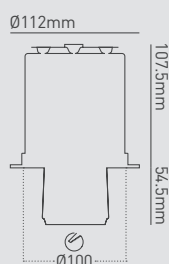
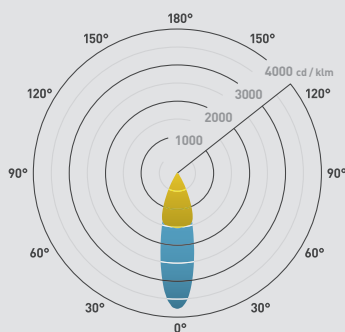
Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Choice of colour temperatures and beam angles

Ideal for retail and hospitality environments

Beam angle: 20° 50°



RDSS

Small, round, recessed, 13W adjustable LED downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	Yes
Input	350mA
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 100mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium / steel
Weight	460g
Maximum ambient temperature	40°C
SELV	N/A
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
RDSSBLK2040	Black	13W	4000K	20°	1000	77 (64)	4140
RDSSBLK5040	Black	13W	4000K	50°	1000	77 (64)	1650
RDSSWH2040	White	13W	4000K	20°	1000	77 (64)	4140
RDSSWH5040	White	13W	4000K	50°	1000	77 (64)	1650
RDSSBLK2030	Black	13W	3000K	20°	750	58 (48)	3200
RDSSBLK5030	Black	13W	3000K	50°	750	58 (48)	1300
RDSSWH2030	White	13W	3000K	20°	750	58 (48)	3200
RDSSWH5030	White	13W	3000K	50°	750	58 (48)	1300

WIRING INFORMATION

Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 350MA	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	1
PSDIM350	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	2
PSDAL350M	220-240V	>0.95	Yes	Yes (DALI)	N/A	1	2

ACCESSORIES

RHCS	Glare reducing honeycomb baffle	Sold separately	331
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446



SQSS

Small, square, recessed, 13W adjustable LED downlight

FEATURES

IP rating	IP20
Colour flexibility	Fixed colour
Tilttable	90°
Rotation angle	355°
Dimmable	Yes
Input	350mA
LED lifetime	70,000h L70 B50
CRI	>90Ra
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	90x90mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium / steel
Weight	540g
Maximum ambient temperature	40°C
SELV	N/A
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
SQSSBLK2040	Black	13W	4000K	20°	1000	77 (64)	4140
SQSSBLK5040	Black	13W	4000K	50°	1000	77 (64)	1650
SQSSWH2040	White	13W	4000K	20°	1000	77 (64)	4140
SQSSWH5040	White	13W	4000K	50°	1000	77 (64)	1650
SQSSBLK2030	Black	13W	3000K	20°	750	58 (48)	3200
SQSSBLK5030	Black	13W	3000K	50°	750	58 (48)	1300
SQSSWH2030	White	13W	3000K	20°	750	58 (48)	3200
SQSSWH5030	White	13W	3000K	50°	750	58 (48)	1300

WIRING INFORMATION

Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS

Product code	Input	Power factor	SELV	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 350MA	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	1
PSDIM350	220-240V	>0.95	Yes	Yes (1-10V)	N/A	1	2
PSDAL350M	220-240V	>0.95	Yes	Yes (DALI)	N/A	1	2

ACCESSORIES

RHCS	Glare reducing honeycomb baffle	Sold separately	331
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446

Retail lighting.

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GUARANTEE / WARRANTY

7 year extended warranty

FEATURES & BENEFITS

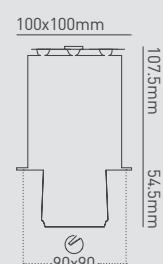
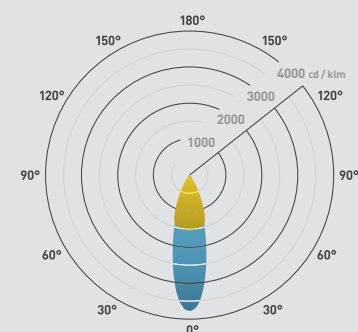
Fully adjustable luminaire. Direct light as required

>90Ra CRI makes colours bolder

Choice of colour temperatures and beam angles

Ideal for retail and hospitality environments

Beam angle: 20° 50°



Borealis.

Battens

Battens are an effective lighting solution to various commercial spaces such as, garages and corridors giving a uniform installation of perfectly distributed light.

Old vs. new

The Borealis battens are available in three lengths, making them a perfect replacement of the T8 fluorescent lamp. With market-leading efficacy of up to 130lm/W, this range will provide slightly more light, whilst using much less power, resulting in excellent cost savings and quick payback.

The table below shows an example of the costs savings which can be achieved:

Energy rate £/kWh: £0.15	Typical T8 fluorescent lamp	Our fitting
Average lamp life	12,000 hours	50,000 hours
Quantity of fittings	100	100
Watts per fitting	72W (2 x 36W)	40W
Energy £/Year	£9,461	£5,256

DALI

This range comes with both DALI and microwave sensor options.

DALI offers complete control of the lighting in your space, enabling you to control and monitor each fixture, individually. This is ideal for large multi-purpose spaces that require differing light levels or regular changes to the layout.

Microwave sensor

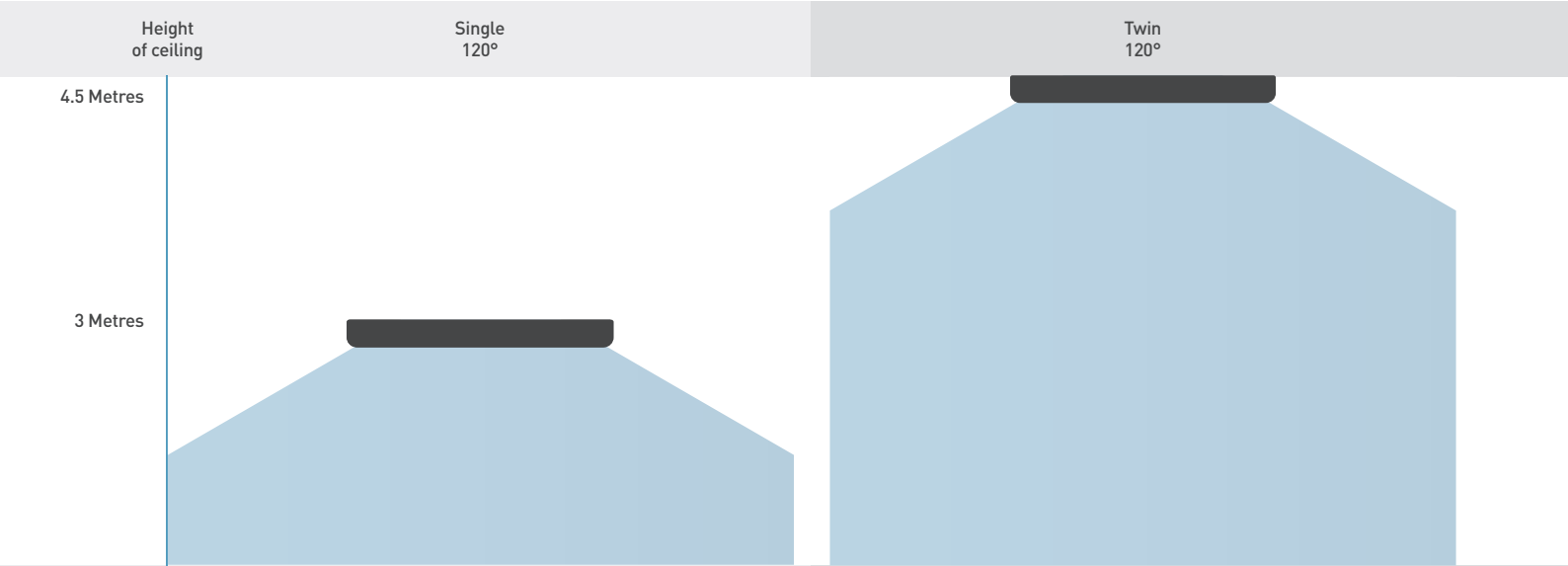
Our fully integrated microwave sensor further adds to the all important energy savings.

Perfect for car corridors, the sensor will ensure these fixtures are only on when motion is detected, and allow the flexibility to adjust the detection area and hold time.

Choosing the ideal batten

The range features three lengths: 1200mm, 1500mm and 1800mm (4ft, 5ft and 6ft) each of which is available in one width, single and twin, which offer different wattages depending on the light level required. In new applications the choice of length may be determined on the size of the space they are being installed, for example bigger spaces may benefit from the longer 1800mm fixture, and the single or twin may be determined by the height of the ceiling, or the required lux level for the tasks that are being carried out beneath.

These options are also ideal for retrofit applications where the length and width can be matched to the fixture, allowing for a quick replacement without the need for new wiring.



Mounting options

Surface mount:

Mount directly onto a solid surface or BESA box.

Pendant:

Suspend the batten via cables or poles to mount lower than ceiling level.

Surface mounted



Suspended



Cable entry

There are conduit/cable gland entry points from either side and the back of the fixture, which enables this product to satisfy many installation requirements, giving the option to conceal wiring behind the fixture or link them together via their loop-in loop-out terminal.

Rear cable entry



Side cable entry



Easy installation

The quick release button enables the LED tray and diffuser to remain secure during installation. The LED tray is held by restraining straps onto the diffuser.

Quick release button



Flicker free

In line with Collingwood values, the best electrical components have been included in the product design. This has resulted in our confidence to assert that the battens are flicker free fittings.

Having flicker free battens, results in a more comfortable working environment, and increases employee satisfaction, safety and productivity.



Emergency option

Essential for many commercial spaces, emergency versions available for all three operating options; standard, microwave sensor and DALI.

The emergency versions will remain illuminated for a minimum of three hours using LiFeP04 batteries, and their convenient self-test feature will ensure that any failings will be clearly evident via the internal indicator light.

Product	Self test	Lithium battery
Borealis	•	•

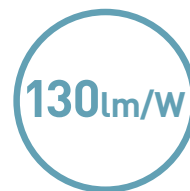
5 year extended warranty

The entire range benefits Collingwood's seal of approval with the option of a five-year extended warranty.






High efficacy

Up to 130lm/W for excellent performance with quick payback.



Battens.

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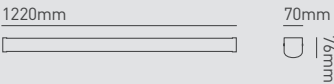
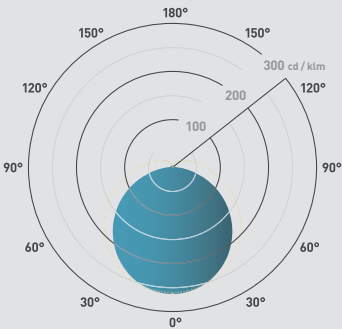
GUARANTEE / WARRANTY

5 years extended guarantee.
2 years on batteries (emergency versions).

FEATURES & BENEFITS

- Multiple fixing points and several wiring options
- Highly efficient up to 130lm/W
- Microwave built-in, On-Off and dusk-dawn functions, providing energy savings
- Flicker-Free, resulting in comfortable and safer working environment
- Built in self-test emergency available. Lumen output in EM mode = 250lm
- Ideal for sheds, garages and warehouses
- Diffuser is released by side buttons and easily accessible with loop-in/loop-out screwless terminals reducing installation time

Beam angle: 120°



Borealis 4ft Single

4ft Single, LED Batten

FEATURES

IP rating	IP20
IK rating	IK06
Colour flexibility	Fixed colour
Dimmable	DALI2 and 1-10V option
Input	220-240V
LED lifetime	54,000h L70 B10
CRI	>80Ra
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	4 push-fit terminals, loop-in loop-out
Inrush current	15A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	1.44Kg EM version: 1.7Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	P and L
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
BT4SS40	Standard	20W	4000K	120°	2600	130	677
BT4SM40	Microwave sensor	20W	4000K	120°	2600	130	677
BT4SD40	DALI2 dimmable	20W	4000K	120°	2600	130	677
BT4SV40	1-10V dimmable	20W	4000K	120°	2600	130	677
BT4SS40EM	Emergency	20W	4000K	120°	2600	130	677
BT4SM40EM	Emergency Microwave sensor	20W	4000K	120°	2600	130	677
BT4SD40EM	Emergency DALI2 dimmable	20W	4000K	120°	2600	130	677

WIRING INFORMATION


Cable required for connector	H05RN-F cable, up to 4x 1.5mm² Cable gland aperture range 4-10mm
Type of wiring required	Parallel


ACCESSORIES


BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately
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Battens.

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GUARANTEE / WARRANTY

5 years extended guarantee.
2 years on batteries (emergency versions).

FEATURES & BENEFITS

Multiple fixing points and several wiring options

Highly efficient up to 130lm/W

Microwave built-in, On-Off and dusk-dawn functions, providing energy savings

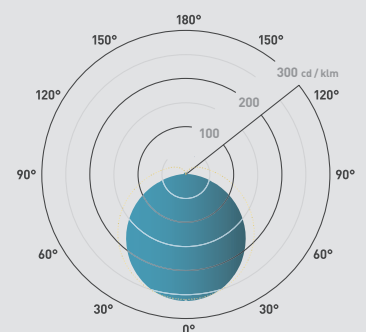
Flicker-Free, resulting in comfortable and safer working environment

Built in self-test emergency available.
Lumen output in EM mode = 250lm

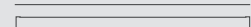
Ideal for sheds, garages and warehouses

Diffuser is released by side buttons and easily accessible with loop-in/loop-out screwless terminals reducing installation time

Beam angle: 120°



1220mm



70mm



Borealis 4ft Twin

4ft Twin, LED Batten

FEATURES

IP rating	IP20
IK rating	IK06
Colour flexibility	Fixed colour
Dimmable	DALI2 and 1-10V option
Input	220-240V
LED lifetime	54,000h L70 B10
CRI	>80Ra
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	4 push-fit terminals, loop-in loop-out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	1.44Kg EM version: 1.7Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	P and L
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	Lx at 1m
BT4TS40	Standard	40W	4000K	120°	5200	130	1354
BT4TM40	Microwave sensor	40W	4000K	120°	5200	130	1354
BT4TD40	DALI2 dimmable	40W	4000K	120°	5200	130	1354
BT4TV40	1-10V dimmable	40W	4000K	120°	5200	130	1354
BT4TS40EM	Emergency	40W	4000K	120°	5200	130	1354
BT4TM40EM	Emergency Microwave sensor	40W	4000K	120°	5200	130	1354
BT4TD40EM	Emergency DALI2 dimmable	40W	4000K	120°	5200	130	1354

WIRING INFORMATION

Cable required for connector	H05RN-F cable, up to 4x 1.5mm² Cable gland aperture range 4-10mm
Type of wiring required	Parallel

ACCESSORIES

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately
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Battens.

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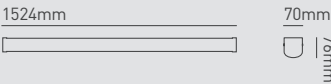
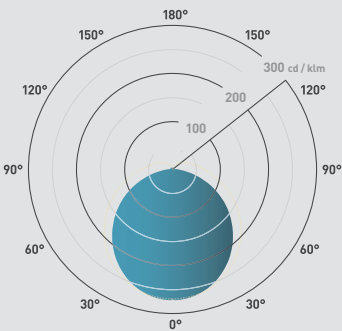
GUARANTEE / WARRANTY

5 years extended guarantee.
2 years on batteries (emergency versions).

FEATURES & BENEFITS

- Multiple fixing points and several wiring options
- Highly efficient up to 130lm/W
- Microwave built-in, On-Off and dusk-dawn functions, providing energy savings
- Flicker-Free, resulting in comfortable and safer working environment
- Built in self-test emergency available. Lumen output in EM mode = 250lm
- Ideal for sheds, garages and warehouses
- Diffuser is released by side buttons and easily accessible with loop-in/loop-out screwless terminals reducing installation time

Beam angle: 120°



Borealis 5ft Single

5ft Single, LED Batten

FEATURES

IP rating	IP20
IK rating	IK06
Colour flexibility	Fixed colour
Dimmable	DALI2 and 1-10V option
Input	220-240V
LED lifetime	54,000h L70 B10
CRI	>80Ra
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	4 push-fit terminals, loop-in loop-out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	1.77Kg EM version: 2.03Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	P and L
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
BT5SS40	Standard	32W	4000K	120°	4160	130	1123
BT5SM40	Microwave sensor	32W	4000K	120°	4160	130	1123
BT5SD40	DALI2 dimmable	32W	4000K	120°	4160	130	1123
BT5SV40	1-10V dimmable	32W	4000K	120°	4160	130	1123
BT5SS40EM	Emergency	32W	4000K	120°	4160	130	1123
BT5SM40EM	Emergency Microwave sensor	32W	4000K	120°	4160	130	1123
BT5SD40EM	Emergency DALI2 dimmable	32W	4000K	120°	4160	130	1123

WIRING INFORMATION

Cable required for connector	H05RN-F cable, up to 4x 1.5mm² Cable gland aperture range 4-10mm
Type of wiring required	Parallel

ACCESSORIES

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately
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Borealis 5ft Twin

5ft Twin, LED Batten

FEATURES

IP rating	IP20
IK rating	IK06
Colour flexibility	Fixed colour
Dimmable	DALI2 and 1-10V option
Input	220-240V
LED lifetime	54,000h L70 B10
CRI	>80Ra
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	4 push-fit terminals, loop-in loop-out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	1.77Kg EM version: 2.03Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	P and L
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
BT5TS40	Standard	54W	4000K	120°	7020	130	1894
BT5TM40	Microwave sensor	54W	4000K	120°	7020	130	1894
BT5TD40	DALI2 dimmable	54W	4000K	120°	7020	130	1894
BT5TV40	1-10V dimmable	54W	4000K	120°	7020	130	1894
BT5TS40EM	Emergency	54W	4000K	120°	7020	130	1894
BT5TM40EM	Emergency Microwave sensor	54W	4000K	120°	7020	130	1894
BT5TD40EM	Emergency DALI2 dimmable	54W	4000K	120°	7020	130	1894

WIRING INFORMATION

Cable required for connector	H05RN-F cable, up to 4x 1.5mm² Cable gland aperture range 4-10mm
Type of wiring required	Parallel

ACCESSORIES

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately
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Battens.

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GUARANTEE / WARRANTY

5 years extended guarantee.
2 years on batteries (emergency versions).

FEATURES & BENEFITS

Multiple fixing points and several wiring options

Highly efficient up to 130lm/W

Microwave built-in, On-Off and dusk-dawn functions, providing energy savings

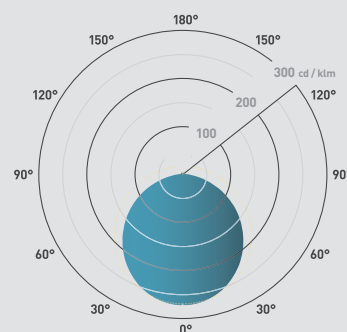
Flicker-Free, resulting in comfortable and safer working environment

Built in self-test emergency available.
Lumen output in EM mode = 250lm

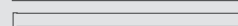
Ideal for sheds, garages and warehouses

Diffuser is released by side buttons and easily accessible with loop-in/loop-out screwless terminals reducing installation time

Beam angle: 120°



1524mm



70mm



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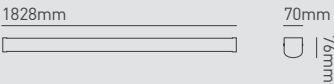
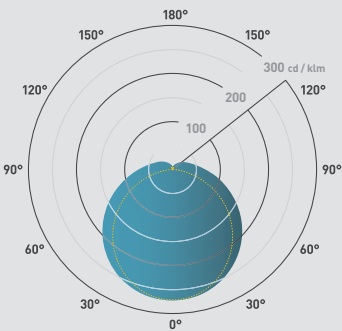
GUARANTEE / WARRANTY

5 years extended guarantee.
2 years on batteries (emergency versions).

FEATURES & BENEFITS

- Multiple fixing points and several wiring options
- Highly efficient up to 124lm/W
- Microwave built-in, On-Off and dusk-dawn functions, providing energy savings
- Flicker-Free, resulting in comfortable and safer working environment
- Built in self-test emergency available. Lumen output in EM mode = 250lm
- Ideal for sheds, garages and warehouses
- Diffuser is released by side buttons and easily accessible with loop-in/loop-out screwless terminals reducing installation time

Beam angle: 120°



Borealis 6ft Single

6ft Single, LED Batten

FEATURES

IP rating	IP20
IK rating	IK06
Colour flexibility	Fixed colour
Dimmable	DALI2 and 1-10V option
Input	220-240V
LED lifetime	54,000h L70 B10
CRI	>80Ra
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	4 push-fit terminals, loop-in loop-out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	2.09Kg EM version: 2.35Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	P and L
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
BT6SS40	Standard	42W	4000K	120°	5200	124	1411
BT6SM40	Microwave sensor	42W	4000K	120°	5200	124	1411
BT6SD40	DALI2 dimmable	42W	4000K	120°	5200	124	1411
BT6SV40	1-10V dimmable	42W	4000K	120°	5200	124	1411
BT6SS40EM	Emergency	42W	4000K	120°	5200	124	1411
BT6SM40EM	Emergency Microwave sensor	42W	4000K	120°	5200	124	1411
BT6SD40EM	Emergency DALI2 dimmable	42W	4000K	120°	5200	124	1411

WIRING INFORMATION


Cable required for connector	H05RN-F cable, up to 4x 1.5mm² Cable gland aperture range 4-10mm
Type of wiring required	Parallel


ACCESSORIES


BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately
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Battens.

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GUARANTEE / WARRANTY

5 years extended guarantee.
2 years on batteries (emergency versions).

FEATURES & BENEFITS

Multiple fixing points and several wiring options

Highly efficient up to 124lm/W

Microwave built-in, On-Off and dusk-dawn functions, providing energy savings

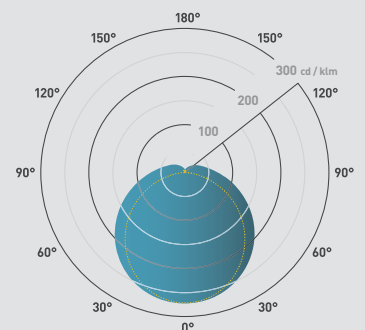
Flicker-Free, resulting in comfortable and safer working environment

Built in self-test emergency available.
Lumen output in EM mode = 250lm

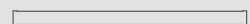
Ideal for sheds, garages and warehouses

Diffuser is released by side buttons and easily accessible with loop-in/loop-out screwless terminals reducing installation time

Beam angle: 120°



1828mm



70mm



76mm



Borealis 6ft Twin

6ft Twin, LED Batten

FEATURES

IP rating	IP20
IK rating	IK06
Colour flexibility	Fixed colour
Dimmable	DALI2 and 1-10V option
Input	220-240V
LED lifetime	54,000h L70 B10
CRI	>80Ra
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	4 push-fit terminals, loop-in loop-out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	2.19Kg EM Version: 2.45Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	P and L
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
BT6TS40	Standard	70W	4000K	120°	8680	124	2355
BT6TM40	Microwave sensor	70W	4000K	120°	8680	124	2355
BT6TD40	DALI2 dimmable	70W	4000K	120°	8680	124	2355
BT6TV40	1-10V dimmable	70W	4000K	120°	8680	124	2355
BT6TS40EM	Emergency	70W	4000K	120°	8680	124	2355
BT6TM40EM	Emergency Microwave sensor	70W	4000K	120°	8680	124	2355
BT6TD40EM	Emergency DALI2 dimmable	70W	4000K	120°	8680	124	2355

WIRING INFORMATION

Cable required for connector	H05RN-F cable, up to 4x 1.5mm² Cable gland aperture range 4-10mm
Type of wiring required	Parallel

ACCESSORIES

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately
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Emergency.

Proud members of the ICEL, our emergency range of BS EN 60598-2-22-2014 compliant features bulkheads, exit boxes, exit blades, escape routes and a twin spot, all complying with ISO 3864-1, backed up by the Collingwood quality you can trust. The emergency range has a low operating running costs across the long product lifetime, and a three hour duration.

Our comprehensive range of emergency lighting comes in both manual and self-test options, all providing illumination

levels which far exceed the legal requirements. The emergency range is ideal for all non-domestic buildings, this includes the exits themselves, plus all the pathways, corridors and stairwells that lead to them, and ensures a safe exit sign when the mains power fails.

Our maintained emergency lights provide illumination under mains power and remain lit under battery power in the event of a mains failure. The non-maintained lights operate only in the event of a power failure.



Emergency.

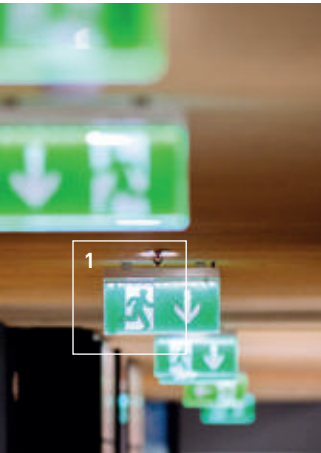


Comprehensive range of emergency lighting

A complete solution for emergency lighting in commercial and industrial areas, complete with the very latest LED and battery technology.

Emergency range

The Collingwood emergency range is safe, reliable and full of market leading performance features. It has low operational running costs across the long product lifetime. The complete range features bulkheads, exit boxes, exit blades, escape routes and twin spots, all complying with ISO 3864-1.



Mount on corridor ceilings



Mount above exits



Light up areas



Light up open areas



1 Blade



2 Box



2 Bulkhead



3 Route



4 Twin spot

Mounting options

Below is the various mounting options for each products.

Product	Ceiling	Wall	Suspended	Conduit M20	BESA	Open area corridor lenses
Emergency blade	•	•	•			
Emergency box		•				
Emergency bulkhead	•	•	•	•	•	
Emergency route						•
Emergency twin spot		•				

IK Rating

The exit blade, box, escape route light and twin spot are IK08 rated, and the bulkhead is IK07 rated.



Choosing the ideal emergency light.

For your installation

There are a number of choices you need to make when choosing a suitable product for your application. We have added in some explanations to make this decision easier.

Self-test vs. Manual test

Regular tests need to be conducted on the emergency fittings to ensure they are still performing correctly. The two tests which need to be conducted are for emergency light operation and the battery duration. There are two methods of conducting this test, a manual test and a self-test.

Manual test

A manual test can be performed locally by pressing the product test button that forces the emergency luminaire to go into emergency mode, or by switching off the mains.

The inspection is done in real-time, visually, by the operator in charge of the test.

Self-test

The self-test unit automatically performs numerous tests in the background. Any failure is indicated by the LED, that can start to blink or change its colour, depending on the product type.

The inspection is done by visually checking the LED indicator status.

The inspection frequency tests required are determined by EN 50172, which our products comply with. It should last as long as it is needed to make the emergency light source turn on, so in case of our products, only a few seconds.
The battery duration test should be performed at least yearly. It should last for the rated battery duration, so for manual test products, it has to be executed when there is a minimum risk for the occupants.

Emergency options

Product	Self test	Manual test	Lithium battery	Li-on battery
Emergency blade	•	•	•	
Emergency box	•	•	•	
Emergency bulkhead	•	•	•	
Emergency route		•		•
Emergency twin spot	•		•	

IP Rating

The exit blade, box and escape route light are all IP20 rated. The bulkhead and twin spot are IP65 rated.



Long-life LiFeP04 lithium battery

LiFeP04 are at the forefront of battery technology, with a smaller footprint than other battery types. They are suitable to higher temperatures and allow faster charging times by longer discharge times. In stand-by mode, they are capable of keeping the charge for longer, therefore extending the battery life.

Maintained vs. Non-maintained

Maintained

Maintained emergency fittings can be turned on / off when the mains is on.

Non-maintained

The 'non-maintained' luminaire are the ones that the light source is off when the mains power is on. For instance, our escape route emergency luminaire, which light remains off and only turn on when the mains power goes down.

Emergency.

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GUARANTEE / WARRANTY

2 Year Extended Warranty

FEATURES & BENEFITS

Terminals allow for both maintained and non-maintained usage, by simply connecting the cables to the push-fit terminals

Manual test or self test versions available

Lithium batteries are long-lasting and have a long-life

Has three M20 entry knock-outs (one on each side and one in the bottom), and rear BESA box fixing points, so can fit to most installation methods

Lens is rugged and made from robust Polycarbonate

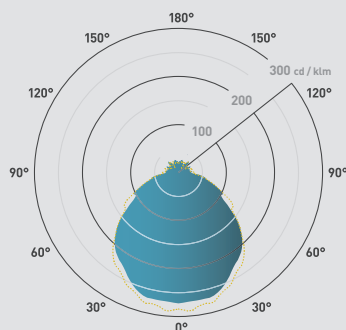
Viewing distance of 18m

Complying with ISO 3864-1, and proud members of the ICEL

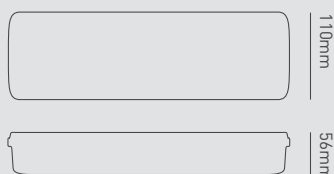
Ideal for open areas, escape routes, for general illumination or as an exit sign

Adhesive legend is supplied and divided in five parts

Beam angle: 110°



355mm



350



Salvus Emergency Bulkhead

145lm, emergency bulkhead

FEATURES

Maintained / Non-maintained	Maintained & Non-Maintained
Viewing distance	18m
IP rating	IP65
IK rating	IK07
Colour flexibility	Fixed
Input	220-240V
Battery	LiFePO4
CRI	>80Ra

INSTALLATION INFORMATION

Install connector type	Screw Terminals
Inrush current	20A
Construction material	Lens PC Housing ABS
Weight	0.65Kg
Maximum ambient temperature	45°C
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Test method	Wattage	Colour	Beam angle	lm
EMBH145M	Manual Test	3W	6500K	110°	145
EMBH145S	Self Test	3W	6500K	110°	145

WIRING INFORMATION


Cable / flying lead	0.5 to 1.0mm ²
Type of wiring required	Parallel


ACCESSORIES


No accessories required

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GUARANTEE / WARRANTY

2 Year Extended Warranty Manual Test
3 Year Extended Warranty Self Test

FEATURES & BENEFITS

Terminals allow for both maintained and non-maintained usage, by simply connecting the cables to the push-fit terminals

Manual test (without button) or self test versions available

NiCd, has proven technology which is widely used

Lithium batteries are long-lasting and have a long-life

Housing is rugged and made from Polycarbonate

35m viewing distance allowing it to be assembled in many different room dimensions

Complying with ISO 3864-1, and proud members of the ICEL

Salvus Emergency Exit Box

47lm, emergency exit box

FEATURES

Maintained / Non-maintained	EMBX35M: Maintained & Non-Maintained EMBX35S: Maintained
Viewing distance	35m
IP rating	IP20
IK rating	IK08
Colour flexibility	Fixed
Input	220-240V
Battery	EMBX35M: NiCd EMBX35S: LiFePO4
CRI	>80Ra

INSTALLATION INFORMATION

Install connector type	Push-fit Connector
Inrush current	EMBX35M: 12A 56µs EMBX35S: 18.1A 104µs
Construction material	Lens PC Housing PC
Weight	0.6Kg
Maximum ambient temperature	45°C
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Test method	Wattage	Colour	Beam angle	lm
EMBX35M	Manual Test	3.5W	6500K	-	47
EMBX35S	Self Test	3.5W	6500K	-	47

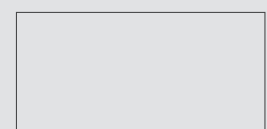
WIRING INFORMATION

Cable / flying lead	0.5 to 1.0mm ²
Type of wiring required	Parallel

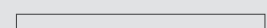
ACCESSORIES

EMBXUP	Pictogram Arrow UP.	Sold Separately	355
EMBXDO	Pictogram Arrow DOWN.	Sold Separately	355
EMBXRI	Pictogram Arrow RIGHT.	Sold Separately	355
EMBXLE	Pictogram Arrow LEFT.	Sold Separately	355

390.3mm






195.3mm



30mm

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GUARANTEE / WARRANTY

3 Year Extended Warranty

FEATURES & BENEFITS

Maintained, so it can be turned on/off when the mains is on

Manual test or self test versions available

Lithium batteries are long-lasting and have a long-life

Has three M20 entry knock-outs (one on each side and one in the bottom), and rear BESA box fixing points, so can fit to most installation methods

Housing is rugged and made from Polycarbonate

30m viewing distance allowing it to be assembled in many different room dimensions

Complying with ISO 3864-1, and proud members of the ICEL



Salvus Emergency Exit Blade

50lm, emergency exit blade

FEATURES

Maintained / Non-maintained	Maintained
Viewing distance	30m
IP rating	IP20
IK rating	IK08
Colour flexibility	Fixed
Input	220-240V
Battery	LiFePO4
CRI	>80Ra

INSTALLATION INFORMATION

Install connector type	Push-fit Connector
Inrush current	10.3A 100µs
Construction material	Lens PC Housing PC
Weight	0.9Kg
Maximum ambient temperature	45°C
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

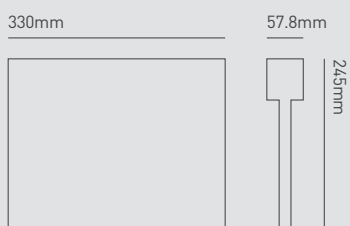
Product code	Test method	Wattage	Colour	Beam angle	lm
EMBL30M	Manual Test	4W	6500K	-	50
EMBL30S	Self Test	4W	6500K	-	50

WIRING INFORMATION

Cable / flying lead	Screwless terminals, up to 0.75mm²
Type of wiring required	Parallel

ACCESSORIES

EMBLUP	Pictogram Arrow UP.	Sold Separately	355
EMBLDO	Pictogram Arrow DOWN.	Sold Separately	355
EMBLRI	Pictogram Arrow RIGHT.	Sold Separately	355
EMBLLE	Pictogram Arrow LEFT.	Sold Separately	355
EMBLSK	Suspension Kit (2x 1m cable + fixings)	Sold Separately	355





Salvus Emergency Escape Route

150lm, manual test emergency escape route

FEATURES

Maintained / Non-maintained	Non-Maintained
Viewing distance	N/A
IP rating	IP20
IK rating	IK08
Colour flexibility	Fixed
Input	220-240V
Battery	Li-ion
CRI	>70Ra

INSTALLATION INFORMATION

Install connector type	Push-fit Connector
Inrush current	17.6A 92µs
Construction material	Lens PMMA Housing PC
Weight	0.2Kg
Maximum ambient temperature	45°C
Electric class (1, 2, 3)	2

PHOTOMETRICS @ 25°C

Product code	Test method	Wattage	Colour	Beam angle	lm
EMER150M60	Manual Test	1.2W	6000K	60°	150

WIRING INFORMATION

Cable / flying lead	Screwless terminals, up to 0.75mm²
Type of wiring required	Parallel

ACCESSORIES

No accessories required

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GUARANTEE / WARRANTY

2 Year Extended Warranty

FEATURES & BENEFITS

Non-maintained, so the light source is off when the mains power is on

Manual test

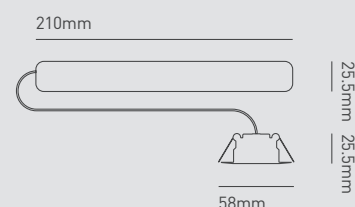
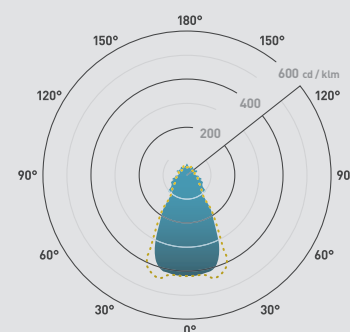
Lithium batteries are long-lasting and have a long-life

Discrete and elegant design, making it ideal for use within rooms or corridors

Housing is rugged and made from polycarbonate

Supplied with additional lens, for an asymmetric beam angle, ideal to illuminate corridors and delivering 135 lm

Beam angle: 60°



Emergency.

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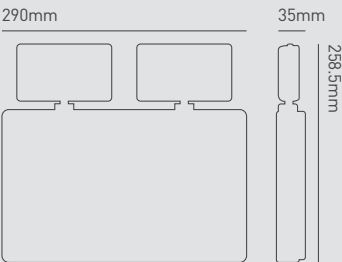
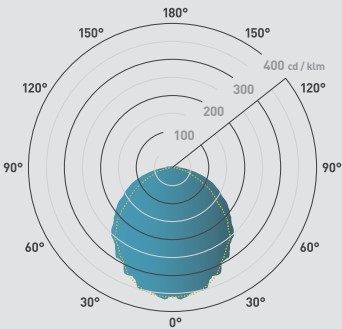
GUARANTEE / WARRANTY

3 Year Extended Warranty

FEATURES & BENEFITS

- Non-maintained, so the light source is off when the mains power is on
- Lithium batteries are long-lasting and have a long-life
- Adjustable LED heads allow beam aiming
- A rugged robust polycarbonate lens and housing

Beam angle: 105°



Salvus Emergency Twin Spot

400lm, self test emergency twin spot

FEATURES

Maintained / Non-maintained	Non-Maintained
Viewing distance	N/A
IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed
Input	220-240V
Battery	LiFePO4
CRI	>80Ra

INSTALLATION INFORMATION

Install connector type	Push-fit Connector
Inrush current	10.8A 84µs
Construction material	Lens PC Housing PC
Weight	1Kg
Maximum ambient temperature	45°C
Electric class {1, 2, 3}	2

PHOTOMETRICS @ 25°C

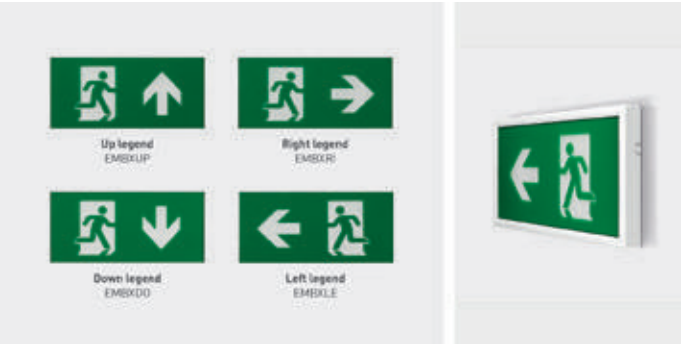
Product code	Test method	Wattage	Colour	Beam angle	lm
EMTW400S	Self Test	4.8W	6500K	105°	400

WIRING INFORMATION

Cable / flying lead	0.5 to 1.0mm²
Type of wiring required	Parallel

ACCESSORIES

No accessories required



Exit Box Accessories

Emergency exit box labels

INSTALLATION INFORMATION

Construction material	PVC
Guarantee	3 year guarantee

PRODUCT CODE

Product code	Description
EMBXUP	Pictogram Arrow UP
EMBXDO	Pictogram Arrow DOWN
EMBXRI	Pictogram Arrow RIGHT
EMBXLE	Pictogram Arrow LEFT

USE WITH

EMBX35M	351
EMBX35S	351



Exit Blade Accessory

Emergency exit blade suspension kit

INSTALLATION INFORMATION

Construction material	Steel
Weight	0.08Kg
Guarantee	3 year guarantee

PRODUCT CODE

Product code	Description
EMBLSK	1m steel cable with fixings

USE WITH

EMBL30M	352
EMBL30S	352



Exit Blade Accessories

Emergency exit blade labels

INSTALLATION INFORMATION

Construction material	PVC
Guarantee	3 year guarantee

PRODUCT CODE

Product code	Description
EMBLUP	Pictogram Arrow UP
EMBLDO	Pictogram Arrow DOWN
EMBLRI	Pictogram Arrow RIGHT
EMBLLE	Pictogram Arrow LEFT

USE WITH

EMBL30M	352
EMBL30S	352



Emergency.

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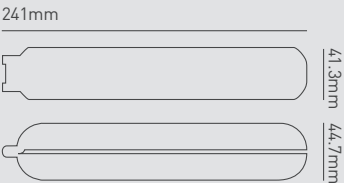
GUARANTEE / WARRANTY

3 year guarantee on LED driver,
1 year guarantee on battery

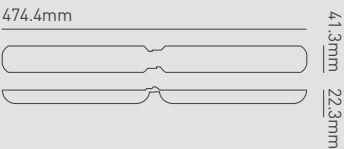
FEATURES & BENEFITS

- Provides minimum of 3 hours of emergency lighting
- Green light indicates charging of batteries
- Pre-wired service offers peace of mind and reduces installation time

LEDEP06 folded



LEDEP06 unfolded



LEDEP06

Emergency pack for maintained lighting assembly - 3hr minimum

FEATURES

Wattage	3W
IP rating	IP20
Input	220-240V 50-60Hz

INSTALLATION INFORMATION

Double Insulation	Yes
Inrush current	20A 0.012ms
Construction material	Plastic
Weight	420g
Case temperature (tc = °C)	70
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	2

PRODUCT CODE

Product code	Description
LEDEP06	Emergency pack for maintained lighting assembly - 3hr minimum

WIRING INFORMATION


Cable / flying lead	300mm 2-core 0.75mm²
Type of wiring required	Parallel


USE WITH


H2 Pro Elect Trimless	Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight	80
H5 Trimless	Trimless, dimmable fire-rated LED downlight	90

Emergency.

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GUARANTEE / WARRANTY

3 year guarantee on LED driver,
1 year guarantee on battery

FEATURES & BENEFITS

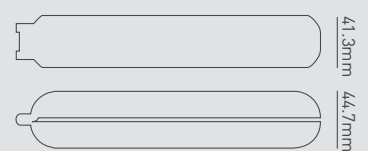
Plug & play connectors for easy installation

Separate LED indicator light

For use with 1901 range

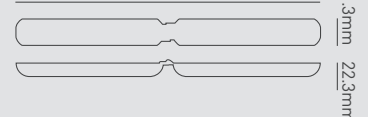
LEDEP08 folded

241mm



LEDEP08 unfolded

474.4mm



LEDEP08

3-hour non-maintained emergency pack

FEATURES

Wattage	3W
IP rating	IP20
Input	220-240V 50-60Hz

INSTALLATION INFORMATION

Install connector type	Flying lead
Insulation coverable	No
Double Insulation	Yes
Inrush current	20A 0.012ms
Construction material	Plastic
Case Temperature (tc = °C)	70°C
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	2

PRODUCT CODES

Product code	Description
LEDEP08	3hr LED maintained emergency pack

WIRING INFORMATION




Cable / flying lead	Plug & play connectors
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USE WITH

1901 Trimless	Sleek, low glare, baffled downlight	116-117
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Emergency.

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GUARANTEE / WARRANTY

3 year extended guarantee

FEATURES & BENEFITS

Self-test device, simplifying the emergency lighting inspections

Dual colour Green / Red LED status indicator

A minimum of 3 hours of emergency lighting

Built-in protection:

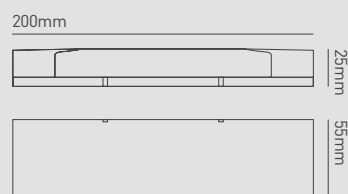
- open circuit
- over charging
- over discharging
- over temperature

LiFePO₄, provides long operational life

Supplied with a test button, whereby a battery duration test can be carried out at anytime

Synchronizes an automatic battery duration test every 6 months

Compatible with our Solis panels, Thea commercial downlights, 1901 and H5 downlights, however this does not apply to trimless



LEDEP10

Emergency converter, Self-test

FEATURES

Wattage	2.5W
IP rating	IP20
Input	220-240V 50-60Hz

INSTALLATION INFORMATION

Install Connector Type	Mains: Push-fit terminals 0,5 -2,5mm ² DC: Plug & Play connectors
Insulation Coverable	No
Cut out size	Ø18mm (status LED) Ø7mm (test button)
Inrush current	10A
Construction material	Polycarbonate
Weight	390g
Case temperature (tc = °C)	60°C
Maximum ambient temperature	45°C
SELV	Yes
Electric class (1, 2, 3)	2

PRODUCT CODE

Product code	Description
LEDEP10	Emergency converter, Self-test

WIRING INFORMATION

Cable / flying lead	Plug & Play connectors
Type of wiring required	Parallel


USE WITH


Solis panels	310-312	H4 Pro 550 SPS	86
Thea commercial downlights	316-319	H4 Pro 700	87
1901 downlights	316-317	H4 Pro Elect	88
H5 downlights	91-95		
H2 Pro 550 SPS	75		
H2 Pro 550 CS*	76		
H2 Pro 700	77		
H2 Pro Dusk	78		
H2 Pro Elect	79		


*3000K when operating in emergency mode

Emergency.

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GUARANTEE / WARRANTY

3 year extended guarantee

FEATURES & BENEFITS

Self-test device, simplifying the emergency lighting inspections

Dual colour Green / Red LED status indicator

A minimum of 3 hours of emergency lighting

Built-in protection:

- open circuit
- over charging
- over discharging
- over temperature

LiFePO₄, provides long operational life

Supplied with a test button, whereby a battery duration test can be carried out at anytime

Synchronizes an automatic battery duration test every 6 months

Compatible with our H2 and H4 Pro



LEDEP11

Emergency converter for H2 and H4 Pro, Self-test

FEATURES

Wattage	2.5W
IP rating	IP20
Input	220-240V 50-60Hz

INSTALLATION INFORMATION

Install Connector Type	Mains: Push-fit terminals 0,5 -2,5mm ²
Insulation Coverable	No
Cut out size	Ø18mm (status LED) Ø7mm (test button)
Inrush current	10A
Construction material	Polycarbonate
Weight	294g
Case temperature (tc = °C)	60°C
Maximum ambient temperature	45°C
SELV	Yes
Electric class [1, 2, 3]	2

PRODUCT CODE

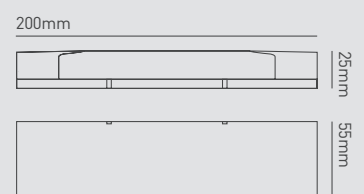
Product code	Description
LEDEP11	Emergency converter for H2 and H4 Pro, Self-test

WIRING INFORMATION

Cable / flying lead	Plug & Play connectors
Type of wiring required	Parallel

USE WITH

H2 Pro	72
H4 Pro	83
H2 Pro smart	73
H4 Pro smart	84



Industrial.

Collingwood has entered Industrial lighting. The range consists of high bays, low bays industrial floodlights, and anti-corrosives available for specification and installation. Our expertise in LED technology has been applied to this sector to provide a class leading solution. Market leading efficacies, combined with a five year extended warranty, provides low lifetime running cost across products which are built to last.

The industrial range is designed to make installation simple. New, innovative materials reduce the weight of the products to ease the process of mounting and commissioning. Magnesium alloy makes the high bays an average 36% lighter than aluminium equivalents, which makes a positive impact to those installing the products. Collingwood's industrial lighting is full of features and benefits, all of which are explained within the following section.



Industrial lighting.

For a wide variety of industrial settings

We are proud to be able to offer a comprehensive range of industrial lighting. Our expertise in LED lighting has been applied to this market sector so that Collingwood quality is now available for installation.

The industrial range

The range of high bays, low bays, industrial floodlights and anti-corrosives has been developed to far exceed the standard requirements for warehouses, factories and workshop installations. Market leading efficacies reduce running costs across the long warranty periods, ensuring that there is peace of mind to prove that the range is built to last.

Springbok high bays

These IP65 high bays are manufactured from magnesium alloy, which makes them, on average 36% lighter than aluminium equivalents. The light weight makes them simple to install and also offers excellent heat dissipation. The Springbok's have a five year extended warranty available, supported by a 50,000 hour LED lifetime, at an ambient temperature range of -40°C to +50°C.



Lentus low bays

The IP40 lentus low bays have a linear design, which makes them ideal for lighting aisle spaces. Their beam angle is 120° as standard but there are two types of lens accessories available, depending on the installation requirement, 90° or an asymmetric 50°x90°. The lenses can be replaced after installation if the aisle configuration changes over time, without the need to take the fitting down.



K2 floodlights

The IP65 K2 floodlights are the perfect solution for warehouses, loading bays, or car parks. The design of the K2 has been tailored so that installation is simple. There is 1m of flex supplied as standard and the brackets have mounting angles stamped into them, to ensure that the fitting is mounted consistently each and every time. The star washers ensure that the fitting is held in place, in the long term.



Caiman anti-corrosives

The Caiman anti-corrosive is built to withstand the toughest of industrial environments, being IP65 and IK08 makes it resistant to water, dust and high impact. Its robust polycarbonate exterior makes it an ideal choice for both indoor and outdoor car parks, supplied as standard with pre-fitted, tamper resistant clips further protecting it from its surroundings.



Asymmetric and Symmetric beam angles

Asymmetric beam angle

An asymmetric beam angle pushes the light in different intensities, in different directions. For example mounted to a pole, the light is pushed forward and to the sides rather than backwards.

In some applications, for instance in car parks or along warehouses external walls, the asymmetric beam angle provides more efficient use of the light generated, creating a more evenly lit surface on the floor.

Symmetric beam angle

A symmetric beam angle provides light in a conic shape, illuminating the surface in all directions, from the centre to all sides, as the lens pushes the light equally in all directions.

For example when mounted to a pole, in a horizontal position, the illumination will be a circle on the floor. Which would be brighter under the light fitting, and a gradual fade as the distance from the centre increases.

Emergency version

The self-test emergency, simplifies the emergency lighting inspection routine, carrying the tests of a 24 hour initial charge-discharge test, a weekly electronics and battery test and a half year battery duration test.

The high-technology of lithium batteries allow for high ambient temperatures, fast charging, and a long-lasting electrical life.

Product	Self test	Lithium battery
Springbok	•	•
Lentus	•	•
Caiman	•	•

Microwave sensors

Save energy and money

Collingwood's high bay and low bay sensor maximises energy savings by encompassing the most advanced technology in movement detection, and daylight harvesting in one single, fully programmable unit.

Step dimming

The sensor detects movement from up to 15 meters high and allows the user to set up two step-dim parameters, offering full control of the luminaire light output and the time it is on.

Daylight harvesting

Whilst the sensor is detecting movement, the daylight harvesting feature controls the luminaire light output, adjusting the 1-10V signal accordingly with the natural light, provided by skylights and windows, maintaining a programmable pre-set illuminance level on the work surface, and reducing tremendously the energy consumption.

Timer control

The same lumen output is kept during the programmable hold time, since the last movement was detected. After that, the sensor dims the luminaire to an intermediary lumens output stand-by time, for a period selected by the user. After this period, the sensor can switch off the luminaire.

Remote control

All functions are programmable by a user friendly remote controller and one single controller can set the functions of multiple different sensors.



Springbok.

High bays

Our Springbok high bays combine excellent performance with quick payback.

New technology

LED technology and modern electronics drives down the lifetime running cost of the fittings. 150lm/W maximises the usage of electricity and light output to achieve an effective lit environment whilst minimising costs.

Cost savings also arise from the 50,000 LED lifetime at L70 B10, reinforced by a five year extended warranty. The long lifetime of the fittings results in fewer replacements over time, reducing both the cost of buying and installing new fittings.

The table below shows an example of the costs savings which can be achieved:

Energy rate £/kWh: £0.15	Existing fitting	Our fitting
Average lamp life	12,000 hours	50,000 hours
Quantity of fittings	100	100
Watts per fitting	400W	150W
Energy £/Year	£26,928	£9,180

Magnesium alloy

Lightweight

The Springbok high bay is made from the lightest metal element, magnesium alloy, which makes it 36% lighter than aluminium equivalents.

Heat dissipation

The magnesium alloy design provides perfect heat dissipation for thermal management which works from -40°C to +50°C.

Corrosion resistant

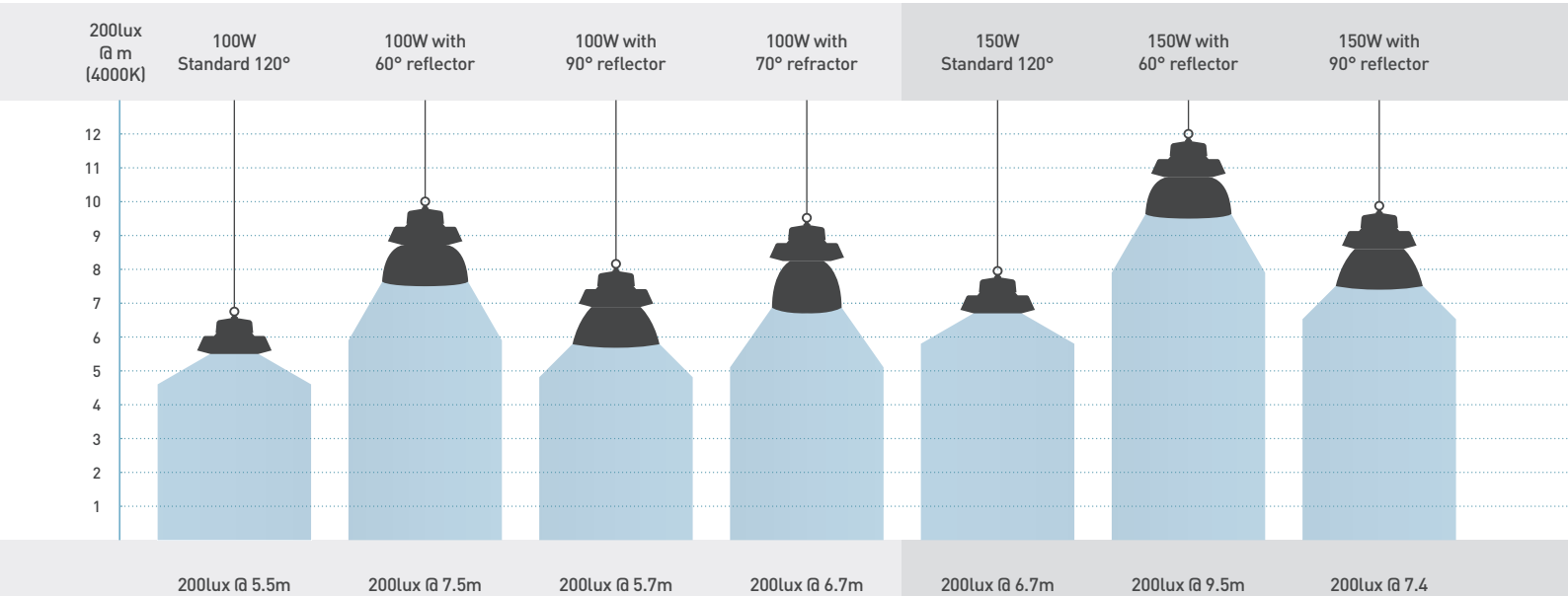
It is corrosion resistant, making it suitable for coastal environments.



Choosing the ideal high bay and accessories

High bays are selected on a multitude of factors, which range from the purpose of the environment which they are being installed into, the mounting height and beyond. Our three high bays have outputs from 14,000lm to 28,000lm, which can all be used alongside our reflectors and refractor accessories.

Use the graph below to choose your ideal high bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.



Mounting options

The Springbok high bay is supplied with an M10 SS304 eyelet, meaning they can be surface mounted on a pot hook, or on a chain allowing for flexible mounting heights. They can also be pole mounted for a rigid install.

Surface mount

The Springbok can be surface mounted by fixing the hook directly to the substrate.



Flexible heights

The Springbok can be mounted at virtually any height by using an adequate chain.



Rigid install

Alternatively, the Springbok can be fixed by means of a U-bracket, allowing wall and pole mounting installations.



Flicker free

In line with Collingwood values, the best electrical components have been included in the product design. This has resulted in our confidence to assert that the high bays are flicker free fittings.

Having flicker free high bays results in a more comfortable working environment and increases employee satisfaction and productivity.



Microwave-sensor

Save energy and money

The high bay sensor accessory maximises energy savings in one single, fully programmable unit.

Step dimming

The sensor detects movement and allows the user to set up two step-dim parameter.

Daylight harvesting

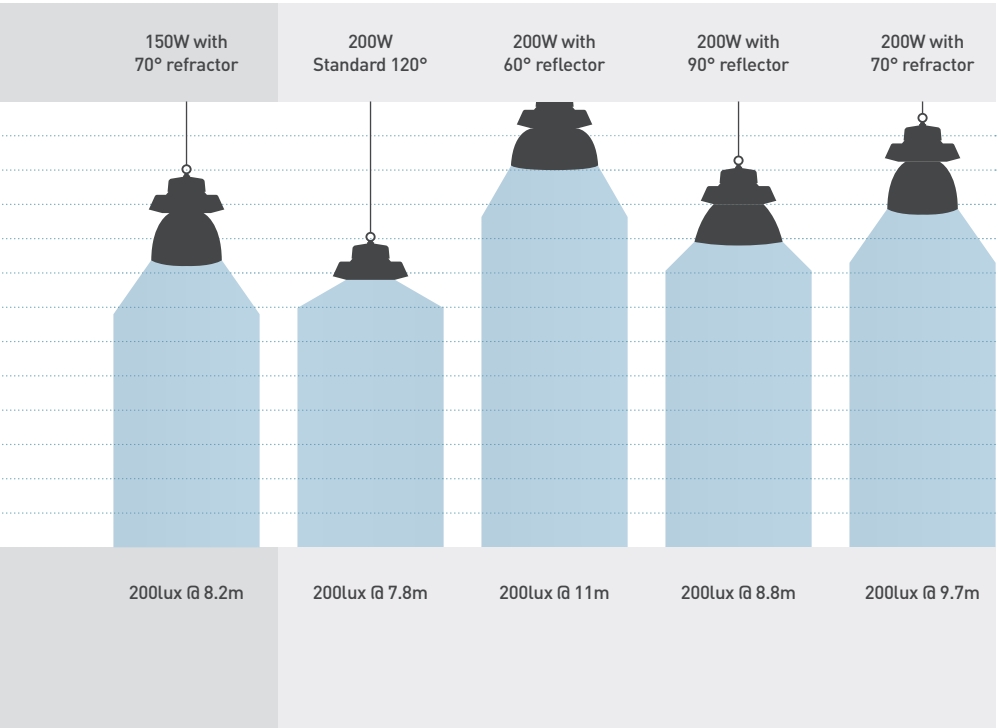
The daylight harvesting feature controls the luminaire light output, adjusting the signal accordingly with the natural light.

Timer control

Stand-by times can be set by the user.




Remote control

All functions are programmable by a user friendly remote controller.



High bays.

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GUARANTEE / WARRANTY

5 year extended guarantee

FEATURES & BENEFITS

Black magnesium alloy design for excellent heat dissipation

Robust and can withstand tough environments

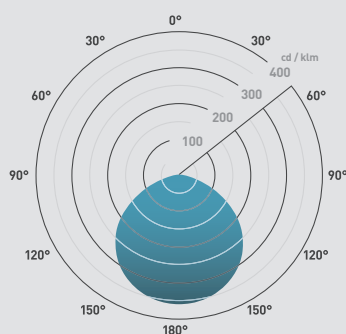
A range of accessories available

Highly efficient up to 150lm/W

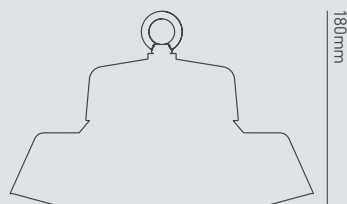
1-10V, PWM and resistor dimmable as standard, 3-in-1

Surge protection 4KV

Beam angle: 120°



Ø245mm



Springbok 100W

High bay, highly efficient up to 150lm/W, 3-in-1 dimmable as standard

FEATURES

IP rating	IP65
IK rating	IK08
Dimmable	Yes
Input	100-277 V- Surge protection 4KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Flying lead
Inrush current	45A 0.6ms
Construction material	Magnesium Alloy Tempered Glass Eyelet SS304
Weight	2.70Kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
HB10040	Black	100W	4000K	120°	15000	150	5030

WIRING INFORMATION

Cable / flying lead	2000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

HBA60	Reflector 60° - Aluminium, natural finishing	Sold Separately	372
HBA90	Reflector 90° - Aluminium, natural finishing	Sold Separately	372
HBA70	Refractor 70° - Polycarbonate, translucent	Sold Separately	372
HBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	373
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	373



Springbok 100W emergency

High bay Emergency, highly efficient up to 150lm/W, 1-10V dimmable as standard

FEATURES

IP rating	IP65
IK rating	IK08
Dimmable	Yes
Input	220-240 V~ Surge protection 4KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	45A 0.6ms
Construction material	Magnesium Alloy Tempered Glass Eyelet SS304
Weight	2.90Kg
Maximum ambient temperature	0°C to +50°C
Building regulations	Part P
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	EM lm	lm	lm/W	lx at 1m
HB10040E	Black	100W	4000K	120°	650	15000	150	5030

EM lm = Lumens Output in Emergency

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm ²
Type of wiring required	Parallel

ACCESSORIES

HBA60	Reflector 60° - Aluminium, natural finishing	Sold Separately	372
HBA90	Reflector 90° - Aluminium, natural finishing	Sold Separately	372
HBA70	Refractor 70° - Polycarbonate, translucent	Sold Separately	372
HBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	373
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	373

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GUARANTEE / WARRANTY

5 year extended guarantee
2 years on Emergency kit

FEATURES & BENEFITS

Black magnesium alloy design for excellent heat dissipation

Robust and can withstand tough environments

A range of accessories available

Highly efficient up to 150lm/W

1-10V, PWM and resistor dimmable as standard, 3-in-1

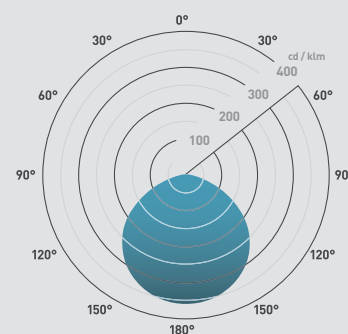
Surge protection 4KV

Self-Test Emergency, dual colour Green/Red LED indicator

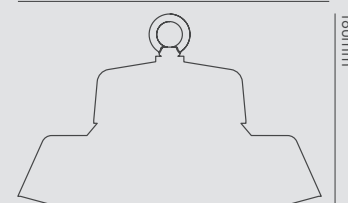
Self-Test: - Initial 24h charge/discharge cycle
- Weekly components test - Half-year battery duration test

Lumens Output in Emergency = 650lm

Beam angle: 120°






Ø245mm



High bays.

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GUARANTEE / WARRANTY

5 year extended guarantee

FEATURES & BENEFITS

Black magnesium alloy design for excellent heat dissipation

Robust and can withstand tough environments

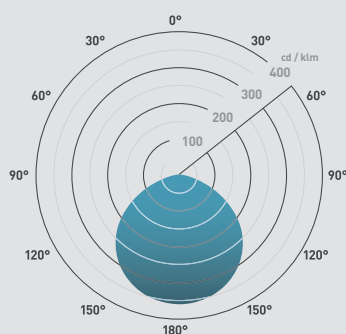
A range of accessories available

Highly Efficient 145lm/W

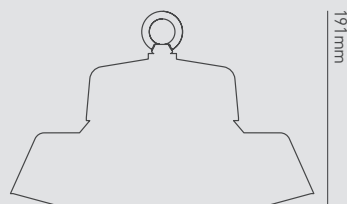
1-10V, PWM and resistor dimmable as standard, 3-in-1

Surge Protection 4KV

Beam angle: 120°



Ø280mm



Springbok 150W

High bay, highly efficient up to 145lm/W, 3-in-1 dimmable as standard

FEATURES

IP rating	IP65
IK rating	IK08
Dimmable	Yes
Input	100-277 V~ Surge protection 4KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Flying lead
Inrush current	45A 0.6ms
Construction material	Magnesium Alloy Tempered Glass Eyelet SS304
Weight	3.70Kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
HB15040	Black	150W	4000K	120°	21750	145	7545

WIRING INFORMATION

Cable / flying lead	2000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

HBA60	Reflector 60° - Aluminium, natural finishing	Sold Separately	372
HBA90	Reflector 90° - Aluminium, natural finishing	Sold Separately	372
HBA70	Refractor 70° - Polycarbonate, translucent	Sold Separately	372
HBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	373
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	373



Springbok 150W emergency

High bay Emergency, highly efficient up to 145lm/W, 1-10V dimmable as standard

FEATURES

IP rating	IP65
IK rating	IK08
Dimmable	Yes
Input	220-240 V~ Surge protection 4KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	45A 0.6ms
Construction material	Magnesium Alloy Tempered Glass Eyelet SS304
Weight	3.90Kg
Maximum ambient temperature	0°C to +50°C
Building regulations	Part P
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	EM lm	lm	lm/W	lx at 1m
HB15040E	Black	150W	4000K	120°	650	21750	145	7545

EM lm = Lumens Output in Emergency

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm ²
Type of wiring required	Parallel

ACCESSORIES

HBA60	Reflector 60° - Aluminium, natural finishing	Sold Separately	372
HBA90	Reflector 90° - Aluminium, natural finishing	Sold Separately	372
HBA70	Refractor 70° - Polycarbonate, translucent	Sold Separately	372
HBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	373
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	373

High bays.

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GUARANTEE / WARRANTY

5 year extended guarantee
2 years on Emergency kit

FEATURES & BENEFITS

Black magnesium alloy design for excellent heat dissipation

Robust and can withstand tough environments

A range of accessories available

Highly efficient up to 145lm/W

1-10V, PWM and resistor dimmable as standard, 3-in-1

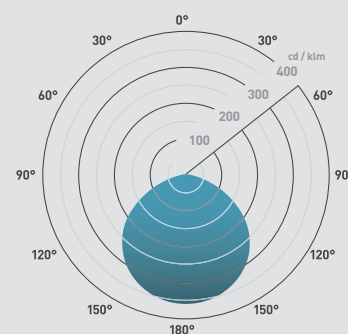
Surge protection 4KV

Self-Test Emergency, dual colour Green/Red LED indicator

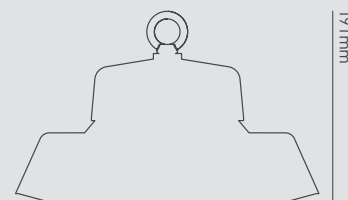
Self-Test: - Initial 24h charge/discharge cycle
- Weekly components test - Half-year battery duration test

Lumens Output in Emergency = 650lm

Beam angle: 120°






Ø280mm



High bays.

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GUARANTEE / WARRANTY

5 year extended guarantee

FEATURES & BENEFITS

Black magnesium alloy design for excellent heat dissipation

Robust and can withstand tough environments

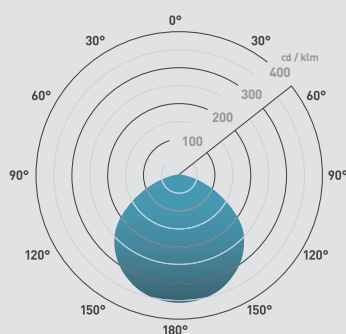
A range of accessories available

Highly Efficient 145lm/W

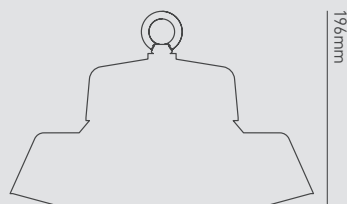
1-10V, PWM and resistor dimmable as standard, 3-in-1

Surge Protection 4KV

Beam angle: 120°



Ø300mm



Springbok 200W

High bay, highly efficient up to 145lm/W, 3-in-1 dimmable as standard

FEATURES

IP rating	IP65
IK rating	IK08
Dimmable	Yes
Input	100-277 V~ Surge protection 4KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Flying lead
Inrush current	45A 0.6ms
Construction material	Magnesium Alloy Tempered Glass Eyelet SS304
Weight	4.20Kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
HB20040	Black	200W	4000K	120°	29000	145	9909

WIRING INFORMATION

Cable / flying lead	2000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

HBA60	Reflector 60° - Aluminium, natural finishing	Sold Separately	372
HBA90	Reflector 90° - Aluminium, natural finishing	Sold Separately	372
HBA70	Refractor 70° - Polycarbonate, translucent	Sold Separately	372
HBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	373
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	373



Springbok 200W emergency

High bay Emergency, highly efficient up to 145lm/W, 1-10V dimmable as standard

FEATURES

IP rating	IP65
IK rating	IK08
Dimmable	Yes
Input	220-240 V~ Surge protection 4KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Flicker Free	Yes
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	45A 0.6ms
Construction material	Magnesium Alloy Tempered Glass Eyelet SS304
Weight	4.40Kg
Maximum ambient temperature	0°C to +50°C
Building regulations	Part P
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Wattage	Colour	Beam angle	EM lm	lm	lm/W	lx at 1m
HB20040E	Black	200W	4000K	120°	650	21750	145	7545

EM lm = Lumens Output in Emergency

WIRING INFORMATION

Cable / flying lead	Push-fit terminals 1.5mm ²
Type of wiring required	Parallel

ACCESSORIES

HBA60	Reflector 60° - Aluminium, natural finishing	Sold Separately	372
HBA90	Reflector 90° - Aluminium, natural finishing	Sold Separately	372
HBA70	Refractor 70° - Polycarbonate, translucent	Sold Separately	372
HBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	373
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	373

High bays.

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GUARANTEE / WARRANTY

5 year extended guarantee
2 years on Emergency kit

FEATURES & BENEFITS

Black magnesium alloy design for excellent heat dissipation

Robust and can withstand tough environments

A range of accessories available

Highly efficient up to 145lm/W

1-10V, PWM and resistor dimmable as standard, 3-in-1

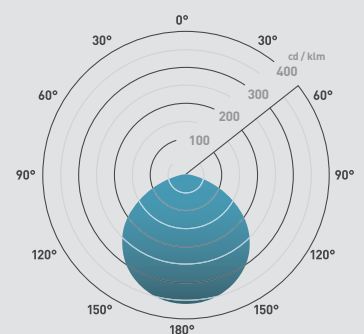
Surge protection 4KV

Self-Test Emergency, dual colour Green/Red LED indicator

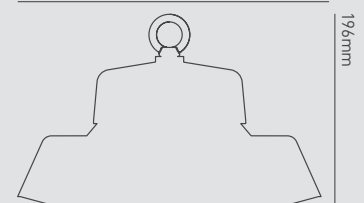
Self-Test: - Initial 24h charge/discharge cycle
- Weekly components test - Half-year battery duration test

Lumens Output in Emergency = 650lm

Beam angle: 120°



Ø300mm





HBA90

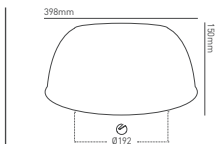
Accessory for a intensive beam of light

FEATURES

Product code	HBA90
Beam angle	90°
Finish	Silver
Construction material	Aluminium
Weight	0.57Kg
Guarantee	1 year guarantee

USE WITH

HB10040	366	HB10040E	367
HB15040	368	HB15040E	369
HB20040	370	HB20040E	371



HBA60

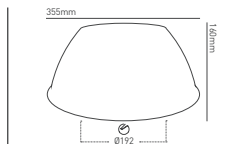
Accessory for a intensive beam of light

FEATURES

Product code	HBA60
Beam angle	60°
Finish	Silver
Construction material	Aluminium
Weight	0.52Kg
Guarantee	1 year guarantee

USE WITH

HB10040	366	HB10040E	367
HB15040	368	HB15040E	369
HB20040	370	HB20040E	371



HBA70

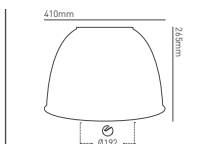
A diffuser accessory for mounting a high bay low down, to prevent glare

FEATURES

Product code	HBA70
Beam angle	70°
Finish	Clear
Construction material	Plastic
Weight	0.90Kg
Guarantee	1 year guarantee

USE WITH

HB10040	366	HB10040E	367
HB15040	368	HB15040E	369
HB20040	370	HB20040E	371





HBASDHS

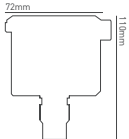
Microwave & daylight harvesting sensor to save energy and cost

FEATURES

Product code	HBASDHS
IP rating	IP65
Wattage	200W
Finish	White
Construction material	Plastic
Weight	0.20Kg
Guarantee	1 year guarantee

USE WITH

HB10040	366	HB10040E	367
HB15040	368	HB15040E	369
HB20040	370	HB20040E	371



HBASDHSRC

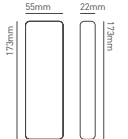
Microwave & Daylight Harvesting Sensor Controller

FEATURES

Product code	HBASDHSRC
Finish	White
Construction material	Plastic
Weight	0.08 Kg
Guarantee	1 year guarantee

USE WITH

HBASDHS	373
LBASDHS	378



Lentus.

Low bays

The Lentus low bays combine excellent performance with quick payback.

New technology

LED technology and modern electronics drives down the lifetime running cost of the fittings. 150lm/W maximises the usage of electricity and light output to achieve an effective lit environment whilst minimising costs.

Cost savings also arise from the 50,000 LED lifetime at L70B10, reinforced by a five year extended warranty. The long lifetime of the fittings results in fewer replacements over time, reducing both the cost of buying and installing new fittings.

The table below shows an example of the costs savings which can be achieved:

Energy rate £/kWh: £0.15	Existing fitting	Our fitting
Average lamp life	12,000 hours	50,000 hours
Quantity of fittings	100	100
Watts per fitting	400W	150W
Energy £/Year	£26,928	£9,180

Easy installation

Lightweight

With its unique and skilful design, the Lentus low bay is extremely lightweight, allowing easy installation and maintenance whilst providing high lumen output.

Aisle spaces

Weighing as little as 2.5kg, the Lentus low bay is ideal for aisle spaces.

Compact

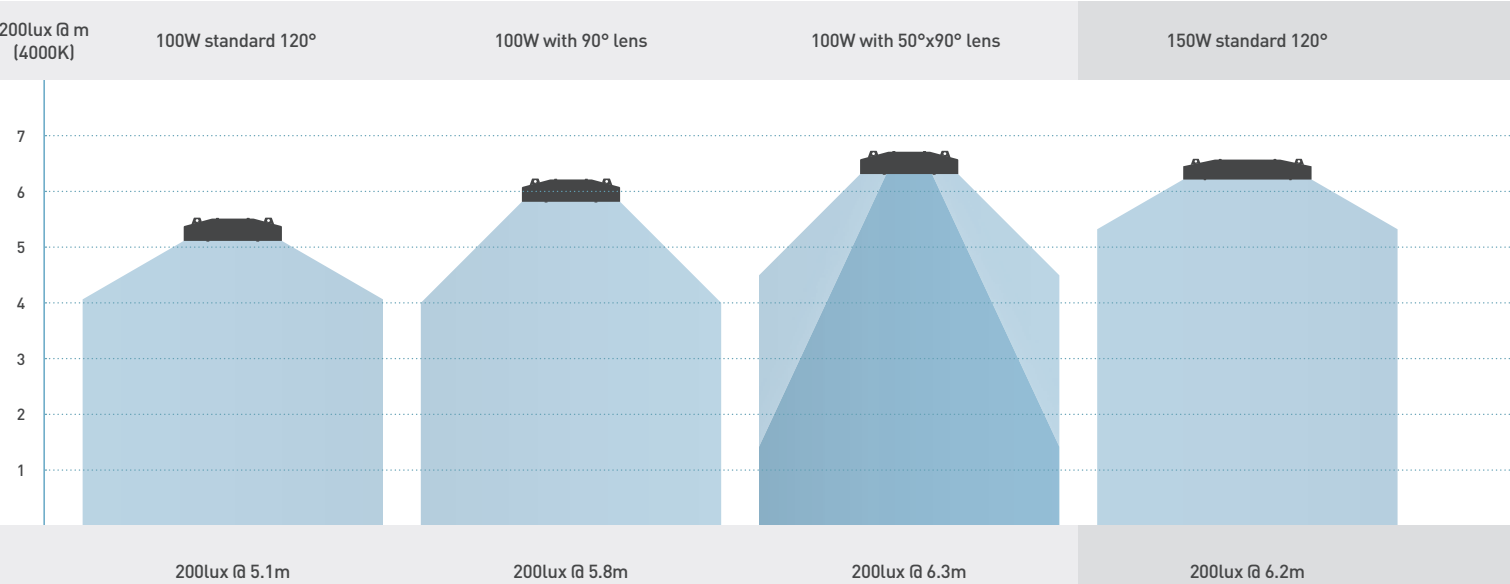
Smaller in size, so it can be installed by an individual.



Choosing the ideal low bay

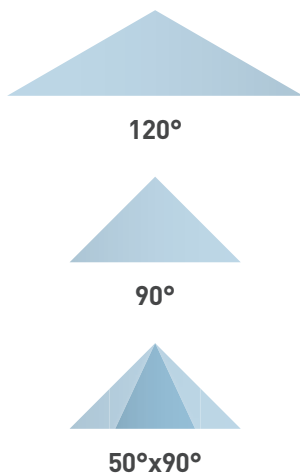
The Lentus low bay is available in 100W and 150W outputs, with three beam angles available, 120°, 90° and 50°x90°. It can be surface mounted, or pendant mounted with the supplied strings, suiting a variety of environments.

Use the graph below to choose your ideal low bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.



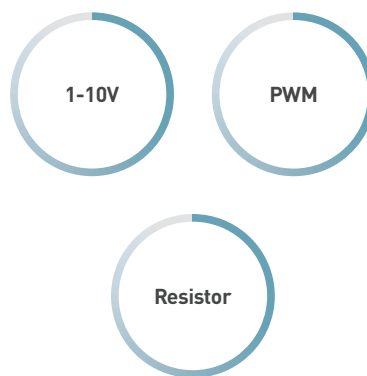
Beam angles

Offering three different beam angles, the Lentus low bay can be used for general lighting (symmetric 120° or 90°) or aisles (asymmetric 50°x90°).



3-in-1 dimming

As standard, the Lentus low bays offer 1-10V, PWM and resistor dimming technologies in a single driver, providing flexibility of control.



Flicker free

In line with Collingwood values, the best electrical components have been included in the product design. This has resulted in our confidence to assert that the low bays are flicker free fittings.

Having flicker free low bays results in a more comfortable working environment and increases employee satisfaction and productivity.



Microwave-sensor

Save energy and money

The low bay sensor accessory maximises energy savings in one single, fully programmable unit.

Step dimming

The sensor detects movement and allows the user to set up two step-dim parameter.

Daylight harvesting

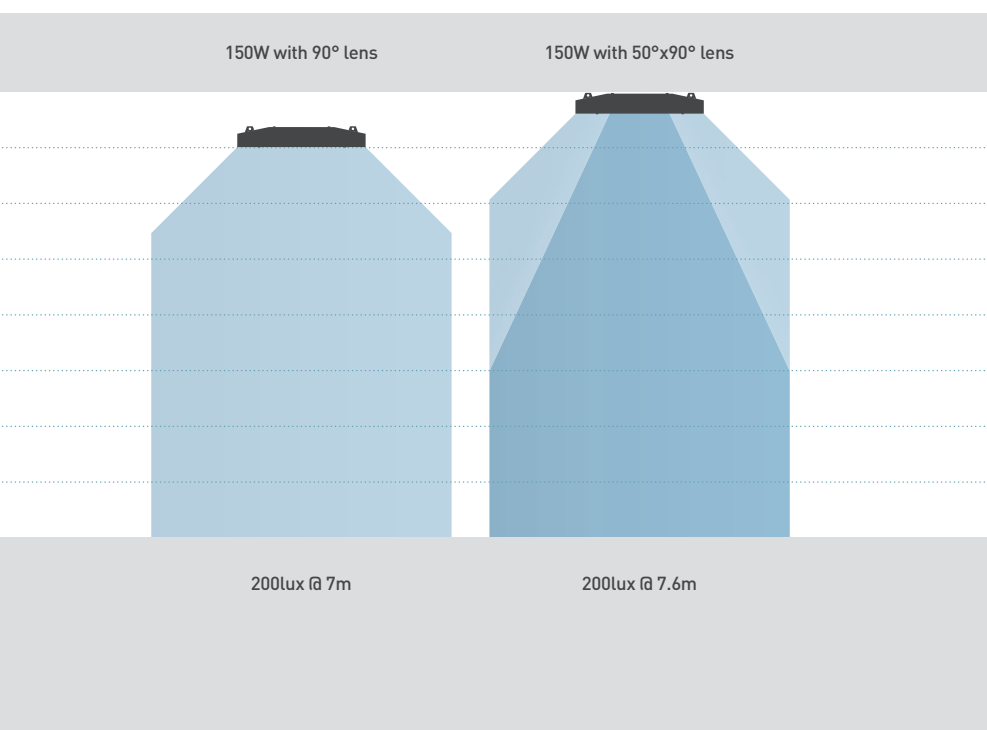
The daylight harvesting feature controls the luminaire light output, adjusting the signal accordingly with the natural light.

Timer control

Stand-by times can be set by the user.




Remote control

All functions are programmable by a user friendly remote controller.



Low bays.

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GUARANTEE / WARRANTY

5 year extended guarantee
2 years guarantee on battery

FEATURES & BENEFITS

A range of mounting options available
allowing excellent flexibility on installation
Specifically designed for use in aisle spaces

A range of accessories available

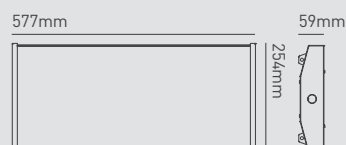
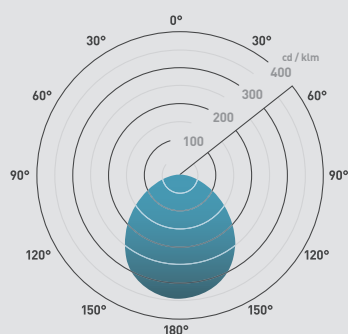
Highly efficient, up to 150lm/W

1-10V, PWM and resistor dimmable as
standard, 3-in-1

Emergency lumens output: 270lm

Surge protection
L/N-PE = 10KV
L-N = 6KV

Beam angle: 120°



Lentus 100W

Linear low bay lighting, dimmable as standard 3-in-1

FEATURES

IP rating	IP40
IK rating	IK08
Colour flexibility	Fixed colour
Dimmable	Yes
Input	220-240 V~ Surge protection 6KV/10KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Std - Flying Lead EM - Push-fit Term
Inrush current	70A 0.2ms
Construction material	Aluminium
Weight	2.57Kg
Maximum ambient temperature	Std -40°C to +50°C Em 0°C to +40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LB10040	White	Standard	100W	4000K	120°	15000	150	5171
LB10040E	White	Emergency	100W	4000K	120°	15000	150	5171

WIRING INFORMATION

Cable / flying lead	Standard: 400mm H05RN-F 3x1.0mm² Ø7mm Emergency: Push-fit terminals 4x 0.75-2.5mm²
Type of wiring required	Parallel

ACCESSORIES

LBACM	Surface Mounting Kit	Sold separately	378
LBAHK	Suspension kit	Included	
LBAL90	Replacement Lens 90° beam angle	Sold separately	378
LBAL5090	Replacement Lens 50°x90° beam angle	Sold separately	378
LBASDHS	Microwave & Daylight harvesting sensor	Sold separately	378
HBASDHSRC	Microwave & Daylight harvesting sensor controller	Sold separately	373



Lentus 150W

Linear low bay lighting, dimmable as standard 3-in-1

FEATURES

IP rating	IP40
IK rating	IK08
Colour flexibility	Fixed colour
Dimmable	Yes
Input	220-240 V~ Surge protection 6KV/10KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Std - Flying Lead EM - Push-fit Term
Inrush current	100W - 70A 0.2ms 150W - 110A 0.2ms
Construction material	Aluminium
Weight	2.70Kg
Maximum ambient temperature	Std -40°C to +50°C Em 0°C to +40°C
SELV	Yes
Building regulations	Part P
Electric class [1, 2, 3]	1

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LB15040	White	Standard	150W	4000K	120°	22000	147	7584
LB15040E	White	Emergency	150W	4000K	120°	22000	147	7584

WIRING INFORMATION

Cable / flying lead	Standard: 400mm H05RN-F 3x1.0mm² Ø7mm Emergency: Push-fit terminals 4x 0.75-2.5mm²
Type of wiring required	Parallel

ACCESSORIES

LBACM	Surface Mounting Kit	Sold separately	378
LBAHK	Suspension kit	Included	
LBAL90	Replacement Lens 90° beam angle	Sold separately	378
LBAL5090	Replacement Lens 50°x90° beam angle	Sold separately	378
LBASDHS	Microwave & Daylight harvesting sensor	Sold separately	378
HBASDHSRC	Microwave & Daylight harvesting sensor controller	Sold separately	373

Low bays.

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GUARANTEE / WARRANTY

5 year extended guarantee
2 years guarantee on battery

FEATURES & BENEFITS

A range of mounting options available allowing excellent flexibility on installation

Specifically designed for use in aisle spaces

A range of accessories available

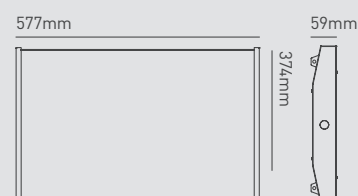
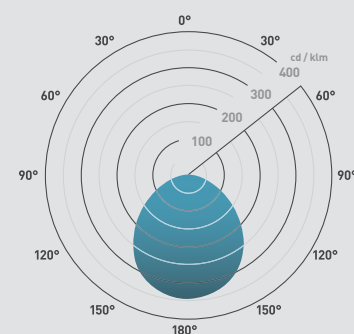
Highly efficient, up to 150lm/W

1-10V, PWM and resistor dimmable as standard, 3-in-1

Emergency lumens output: 270lm

Surge protection
L/N-PE = 10KV
L-N = 6KV

Beam angle: 120°





LBAL90

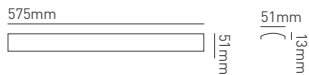
Lens to change beam angle to 90°

FEATURES

Product code	LBAL90
Beam angle	90°
Finish	White
Construction material	Plastic
Weight	0.16Kg
Guarantee	1 year guarantee

USE WITH

LB10040	376
LB15040	377
LB10040E	376
LB15040E	377



LBASDHS

Microwave sensor to save energy and cost

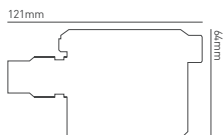
FEATURES

Product code	LBASDHS: Microwave and daylight harvesting sensor
IP rating	IP65
Finish	White
Construction material	Plastic
Weight	0.20Kg
Guarantee	1 year guarantee

HBASDHSRC is required to program LBASDHS, sold seperately.

USE WITH

LB10040	376
LB15040	377
LB10040E	376
LB15040E	377



LBAL5090

Lens to change beam angle to 50x90°

FEATURES

Product code	LBAL5090
Beam angle	50x90°
Finish	White
Construction material	Plastic
Weight	0.16Kg
Guarantee	1 year guarantee

USE WITH

LB10040	376
LB15040	377
LB10040E	376
LB15040E	377



LBACM

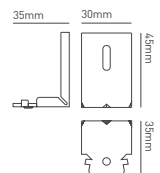
Surface Mounting Kit

FEATURES

Product code	LBACM
Finish	White
Construction material	Steel, Painted
Weight	0.15Kg
Guarantee	1 year guarantee

USE WITH

LB10040	376
LB15040	377
LB10040E	376
LB15040E	377





K2.

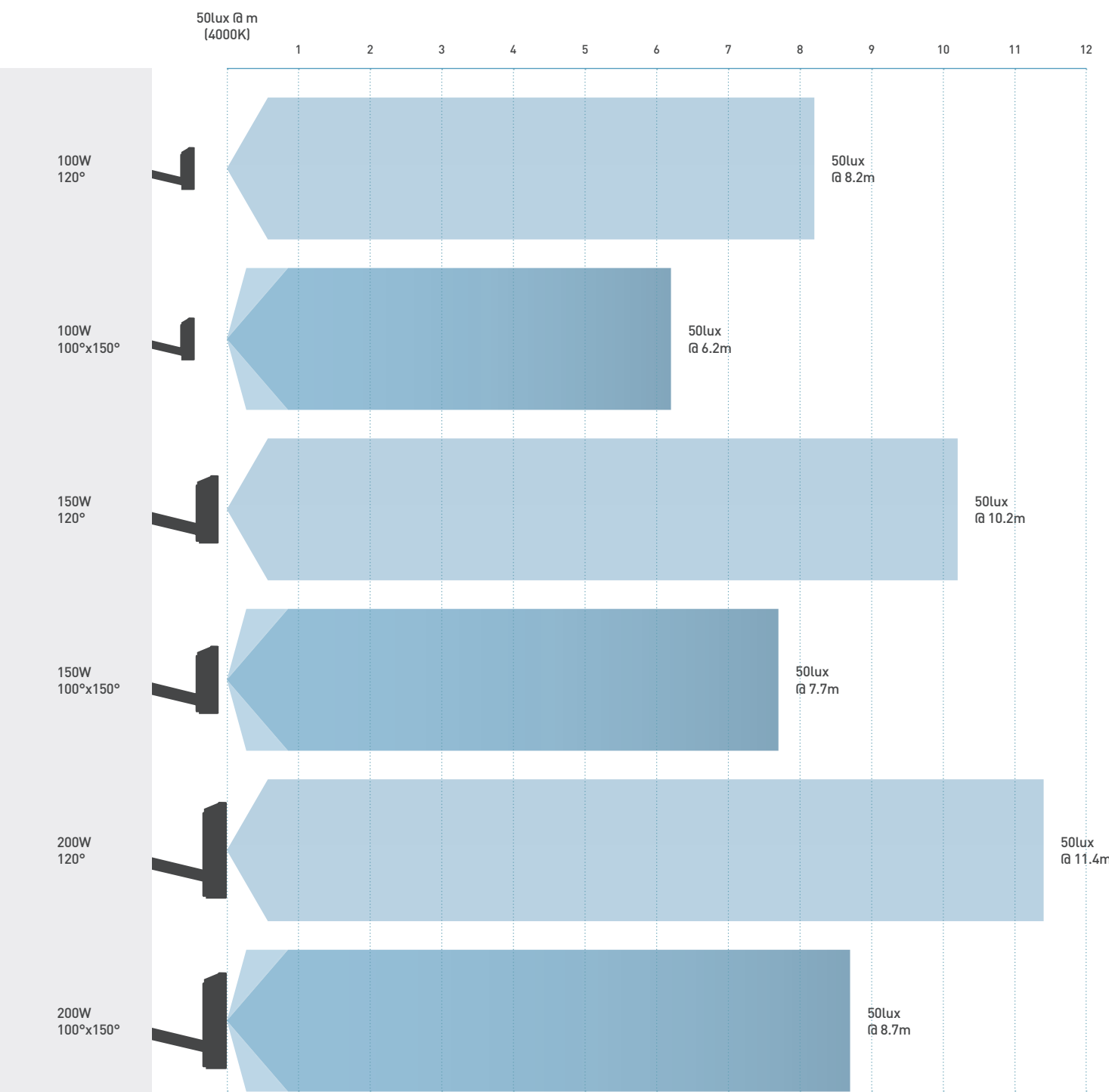
Floodlights

Our range of industrial floodlights throw light precisely where it is needed, with minimum installation and running costs.

Choosing the ideal floodlight

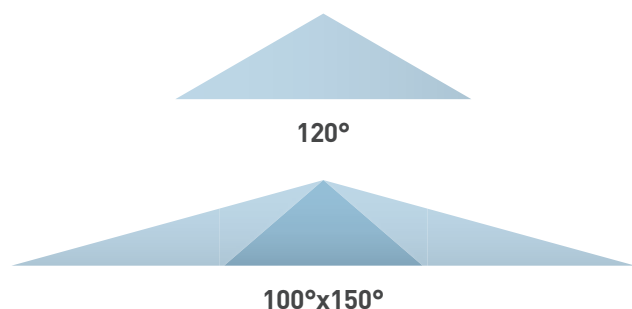
The K2 floodlights are available in 100W, 150W and 200W outputs, with two beam angles available, 120° and 100°x150°. With a market-leading efficacy of 114lm/W, the K2 floodlight maximises the usage of electricity and light output to achieve an effective lit environment whilst minimising costs.

Use the diagram below to determine which output is suitable for your installation, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.



Beam angles

Available in 120° or 100°x150° beam angles.



Easy installation

Tool free access

The skilfully designed bracket simplifies the floodlight installation, cutting down costs and time, by allowing direct free tools access to the fixing screws.

Angle stamped bracket

The floodlights have additional features included such as the mounting angles, which are stamped on the adjustable bracket for precise angles, along with star washers so the bracket can stay in the same position once angled.

1m cable

Installing the K2 floodlights couldn't be easier with a 1m of cable included for ease of installation, and backed with Collingwood's quality, a nickel-plated cable gland is included.



IP65

Durable and versatile, the K2 floodlights are IP65 rated and are suitable for outdoors, whether it is for a large warehouse, loading bays, or car parks.

The breather vent maintains the IP65 rating and prevents condensation. This prevents product losing output or product failure.



Windage factors

The windage factor for our range of K2 floodlights are as followings: 100W 1.10 sq.ft, 150W 1.31sq.ft and 200W 1.66 sq.ft.

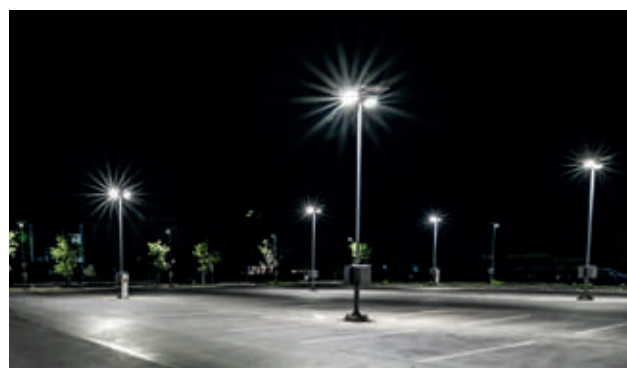
Versatility

The floodlights are suitable to illuminate external areas of warehouses and industrial locations, parking areas, pathways and machinery in general. They can be easily fixed to walls and poles.

Loading bays



Car parks






Uplighting buildings



Floodlights.

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GUARANTEE / WARRANTY

5 year extended guarantee

FEATURES & BENEFITS

Robust and can withstand tough environments

Ratchet points on bracket, tightened by allen key

Highly efficient 114lm/W

Surge protection
L/N-PE = 10KV
L-N = 6KV



K2 100W

Industrial floodlight, up to 114lm/W, IP65 & IK08 rated

FEATURES

IP rating	IP65
IK rating	IK08
Tilttable	180°
Dimmable	No
Input	220-240 V~ Surge protection 6KV/10KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	3SCDM
Flicker Free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Flying lead
Inrush current	70A 0.2ms
Construction material	Aluminium Alloy Tempered Glass
Weight	4.00Kg
Maximum ambient temperature	-40°C to +50°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
IFL10BX40	Black	Symmetric beam angle	100W	4000K	120°	11400	114	3402
IFL10BX40100150	Black	Asymmetric beam angle	100W	4000K	100°x150°	11400	114	1950
IFL10BX30	Black	Symmetric beam angle	100W	3000K	120°	11400	114	3402
IFL10BX30100150	Black	Asymmetric beam angle	100W	3000K	100°x150°	11400	114	1950

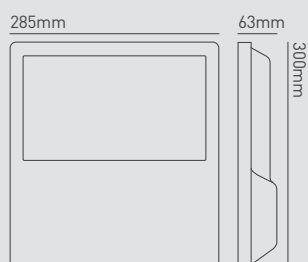
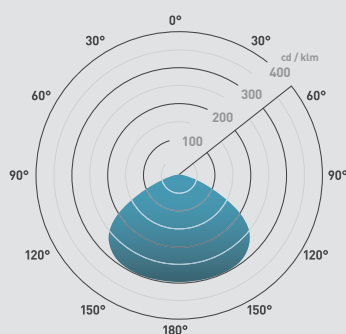
WIRING INFORMATION

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required

Beam angle: 120°





K2 150W

Industrial floodlight, up to 114lm/W, IP65 & IK08 rated

FEATURES

IP rating	IP65
IK rating	IK08
Tilttable	180°
Dimmable	No
Input	220-240 V~ Surge protection 6KV/10KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	3SCDM
Flicker Free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Flying lead
Inrush current	110A 0.2ms
Construction material	Aluminium Alloy Tempered Glass
Weight	5.00Kg
Maximum ambient temperature	-40°C to +50°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
IFL15BX40	Black	Symmetric beam angle	150W	4000K	120°	17100	114	5235
IFL15BX40100150	Black	Asymmetric beam angle	150W	4000K	100°x150°	17100	114	2966
IFL15BX30	Black	Symmetric beam angle	150W	3000K	120°	17100	114	5235
IFL15BX30100150	Black	Asymmetric beam angle	150W	3000K	100°x150°	17100	114	2966

WIRING INFORMATION

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required

Floodlights.

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GUARANTEE / WARRANTY

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FEATURES & BENEFITS

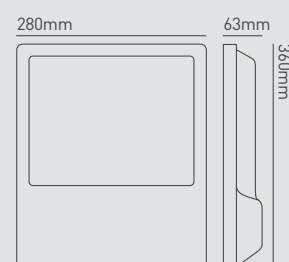
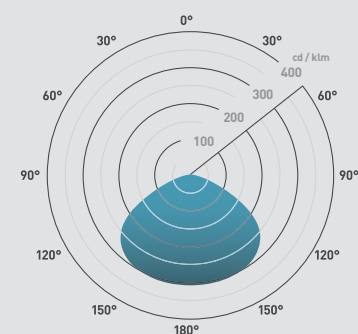
Robust and can withstand tough environments

Ratchet points on bracket, tightened by allen key

Highly efficient 114lm/W




Surge protection
L/N-PE = 10KV
L-N = 6KV

Beam angle: 120°



Floodlights.

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GUARANTEE / WARRANTY

5 year extended guarantee

FEATURES & BENEFITS

Robust and can withstand tough environments

Ratchet points on bracket, tightened by allen key

Highly efficient 111lm/W

Surge protection
L/N-PE = 10KV
L-N = 6KV



K2 200W

Industrial floodlight, up to 114lm/W, IP65 & IK08 rated

FEATURES

IP rating	IP65
IK rating	IK08
Tilttable	180°
Dimmable	No
Input	220-240 V~ Surge protection 6KV/10KV
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	3SCDM
Flicker Free	Yes
Emergency version available	No

INSTALLATION INFORMATION

Install connector type	Flying lead
Inrush current	120A 0.2ms
Construction material	Aluminium Alloy Tempered Glass
Weight	5.60Kg
Maximum ambient temperature	-40°C to +50°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Finish	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
IFL20BX40	Black	Symmetric beam angle	200W	4000K	120°	22200	111	6550
IFL20BX40100150	Black	Asymmetric beam angle	200W	4000K	100°x150°	22200	111	3768
IFL20BX30	Black	Symmetric beam angle	200W	3000K	120°	22200	111	6550
IFL20BX30100150	Black	Asymmetric beam angle	200W	3000K	100°x150°	22200	111	3768

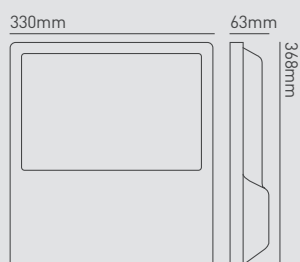
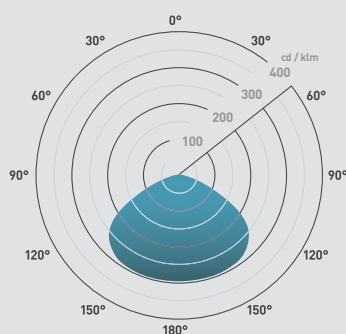
WIRING INFORMATION

Cable / flying lead	1000mm H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

ACCESSORIES

No accessories required

Beam angle: 120°





Caiman.

Anti-corrosives

Our anti-corrosives are built to last in the toughest of environments, whilst providing excellent energy savings.

Old vs. new

The Caiman anti-corrosives are available in three lengths, each available in two widths, making them a perfect replacement of the T8 fluorescent lamp. With market-leading efficacy of up to 140lm/W, this range will provide the same amount of light, but use much less power, resulting in excellent cost savings and quick payback.

The table below shows an example of the costs savings which can be achieved:

Energy rate £/kWh: £0.15	Typical T8 fluorescent lamp	Our fitting
Average lamp life	12,000 hours	50,000 hours
Quantity of fittings	100	100
Watts per fitting	2x36W	35W
Energy £/Year	£23,652	£11,497

DALI

This range comes with both DALI and microwave sensor options.

DALI offers complete control of the lighting in your space, enabling you to control and monitor each fixture, individually. This is ideal for large multi-purpose spaces that require differing light levels or regular changes to the layout.

Microwave sensor

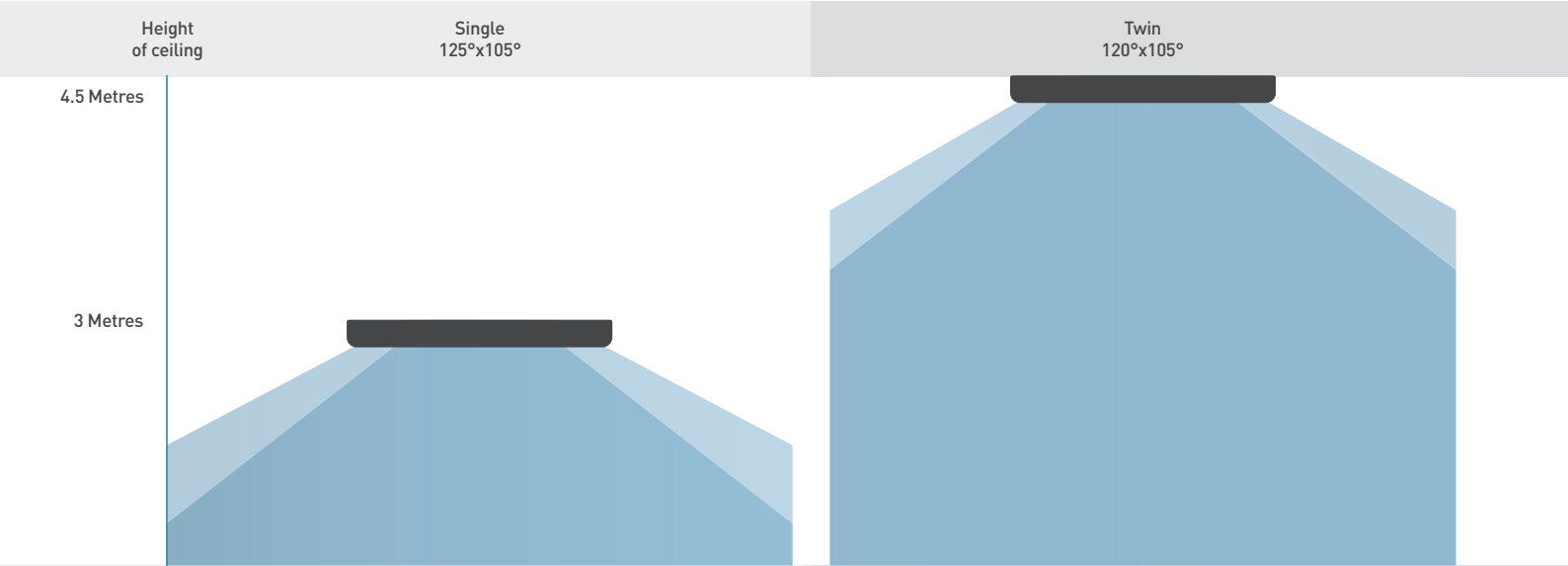
Our fully integrated microwave sensor further adds to the all important energy savings.

Perfect for car parks, the sensor will ensure these fixtures are only on when motion is detected, and allow the flexibility to adjust the detection area and hold time.

Choosing the ideal anti-corrosive

The range features three lengths: 1200mm, 1500mm and 1800mm (4ft, 5ft and 6ft) each of which is available in two widths, single and twin, which offer differing wattages depending on the light level required. In new applications the choice of length may be based on the size of the space they are being installed, for example bigger spaces may benefit from the longer 1800mm fixture, and the single or twin may be determined by the height of the ceiling, or the required lux level for the tasks that are being carried out beneath.

These options are also ideal for retrofit applications where the length and width can be matched to the fixture, allowing for a quick replacement without the need for new wiring.



Mounting options

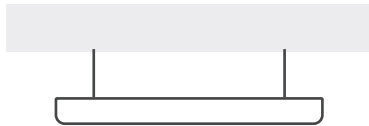
Our anti-corrosives offer versatility with several mounting and wiring options.

Stainless steel mounting brackets and hanging brackets are supplied with each fixture, so the anti-corrosives can be surface mounted directly onto the ceiling, or they can be suspended if the location has a high ceiling.

Surface mounted



Suspended



Cable entry

Cable entry points from either side and the back of the fixture enables this product to satisfy many installation requirements, giving the option to conceal wiring behind the fixture or link them together via their loop-in loop-out terminal.

Two compression cable glands are supplied as standard to help maintain the IP65 rating whilst reducing tension on the cables.

Rear cable entry



Side cable entry



Flicker free

In line with Collingwood values, the best electrical components have been included in the product design. This has resulted in our confidence to assert that the anti-corrosives are flicker free fittings.

Having flicker free anti-corrosives, results in a more comfortable working environment, and increases employee satisfaction and productivity.



IK08

Designed to withstand tough environments, the Caiman is comprised of a polycarbonate base and diffuser. This material is high impact-resistant whilst maintaining flexibility at room temperature, unlike acrylic which is brittle, enabling our fixtures to tolerate movement and impact without shattering, cracking or breaking.



IP65

The robust base and diffuser of the Caiman is tightly held together with anti-tamper stainless steel clips. Further protection against moisture ingress is provided by a rubber seal and compression cable glands.



5 year extended warranty

The 5 year extended warranty available with this range gives peace of mind that these tough fixtures will stand the test of time, even when faced with harsh environments.






Emergency option

Essential for many industrial spaces, it is vital to keep the area illuminated in the event of an emergency or loss of power. That's why we have an emergency version available for all three operating options; standard, microwave sensor and DALI.

The emergency versions will remain illuminated for a minimum of three hours and their convenient self-test feature will ensure that any failings will be clearly evident via the internal indicator light.

Anti-corrosives.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Robust fixture made of polycarbonate base and translucent polycarbonate diffuser

Held together with stainless steel clips allowing the removal of the diffuser during installation

Tough exterior provides an IP65 and IK08 housing protecting the LED components inside

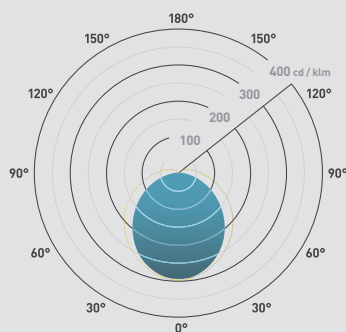
2x PG11 Compression glands are included to allow the entry/exit of wires without compromising water tightness of the fixture

Mounting clips included

Push fit loop-in loop-out terminals

Built in self-test emergency available.
Lumens output in EM mode = 250lm

Beam angle: 125°x105°



Caiman 4ft Single

4ft Single, anti-corrosive LED

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
UGR	19
Dimmable	DALI2
Input	220-240V
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop in / Loop out
Inrush current	Std: 5.5A, 40µs DALI: 20A, 140µs
Construction material	PC Stainless Steel
Weight	1221g
Maximum ambient temperature	-20°C to 40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
AC4SS40	Standard	17W	4000K	125°x105°	2500	147	736
AC4SM40	Microwave sensor	17W	4000K	125°x105°	2500	147	736
AC4SD40	DALI2 dimmable	17W	4000K	125°x105°	2500	147	736
AC4SS40EM	Emergency	17W	4000K	125°x105°	2500	147	736
AC4SM40EM	Emergency Microwave sensor	17W	4000K	125°x105°	2500	147	736
AC4SD40EM	Emergency DALI2 dimmable	17W	4000K	125°x105°	2500	147	736

WIRING INFORMATION

Cable required for connector	H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²
Type of wiring required	Parallel

ACCESSORIES

JB3	Waterproof Junction Box	Sold separately	446
JB5	Gel filled waterproof junction box	Sold separately	447



Caiman 4ft Twin

4ft Twin, anti-corrosive LED

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
UGR	22
Dimmable	DALI2
Input	220-240V
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop in / Loop out
Inrush current	Std: 11A, 150µs DALI: 23A, 200µs
Construction material	PC Stainless Steel
Weight	1758.5g
Maximum ambient temperature	-20°C to 40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
AC4TS40	Standard	35W	4000K	125°x105°	4600	131	1413
AC4TM40	Microwave sensor	35W	4000K	125°x105°	4600	131	1413
AC4TD40	DALI2 dimmable	35W	4000K	125°x105°	4600	131	1413
AC4TS40EM	Emergency	35W	4000K	125°x105°	4600	131	1413
AC4TM40EM	Emergency Microwave sensor	35W	4000K	125°x105°	4600	131	1413
AC4TD40EM	Emergency DALI2 dimmable	35W	4000K	125°x105°	4600	131	1413

WIRING INFORMATION

Cable required for connector	H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²
Type of wiring required	Parallel

ACCESSORIES

JB3	Waterproof Junction Box	Sold separately	446
JB5	Gel filled waterproof junction box	Sold separately	447

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Robust fixture made of polycarbonate base and translucent polycarbonate diffuser

Held together with stainless steel clips allowing the removal of the diffuser during installation

Tough exterior provides an IP65 and IK08 housing protecting the LED components inside

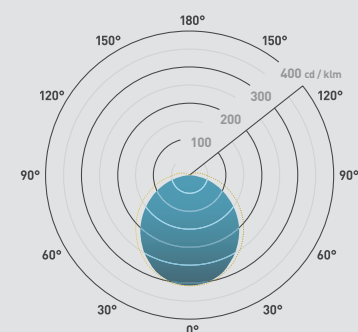
2x PG11 Compression glands are included to allow the entry/exit of wires without compromising water tightness of the fixture

Mounting clips included

Push fit loop-in loop-out terminals

Built in self-test emergency available.
Lumens output in EM mode = 250lm




Beam angle: 120°x105°



1250mm
 115mm
 78mm

Anti-corrosives.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Robust fixture made of polycarbonate base and translucent polycarbonate diffuser

Held together with stainless steel clips allowing the removal of the diffuser during installation

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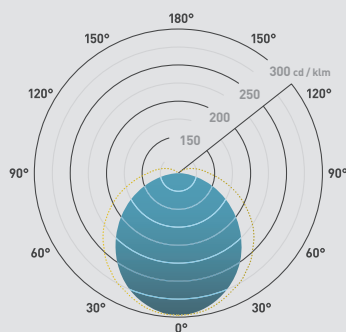
2x PG11 Compression glands are included to allow the entry/exit of wires without compromising water tightness of the fixture

Mounting clips included

Push fit loop-in loop-out terminals

Built in self-test emergency available.
Lumens output in EM mode = 250lm

Beam angle: 125°x105°



Caiman 5ft Single

5ft Single, anti-corrosive LED

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
UGR	20
Dimmable	DALI2
Input	220-240V
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop in / Loop out
Inrush current	Std: 11A, 150µs DALI: 26A, 160µs
Construction material	PC Stainless Steel
Weight	1713g
Maximum ambient temperature	-20°C to 40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
AC5SS40	Standard	28W	4000K	125°x105°	4000	143	1135
AC5SM40	Microwave sensor	28W	4000K	125°x105°	4000	143	1135
AC5SD40	DALI2 dimmable	28W	4000K	125°x105°	4000	143	1135
AC5SS40EM	Emergency	28W	4000K	125°x105°	4000	143	1135
AC5SM40EM	Emergency Microwave sensor	28W	4000K	125°x105°	4000	143	1135
AC5SD40EM	Emergency DALI2 dimmable	28W	4000K	125°x105°	4000	143	1135

WIRING INFORMATION

Cable required for connector	H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²
Type of wiring required	Parallel

ACCESSORIES

JB3	Waterproof Junction Box	Sold separately	446
JB5	Gel filled waterproof junction box	Sold separately	447



Caiman 5ft Twin

5ft Twin, anti-corrosive LED

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
UGR	22
Dimmable	DALI2
Input	220-240V
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop in / Loop out
Inrush current	Std: 12.6A, 150µs DALI: 26A, 300µs
Construction material	PC Stainless Steel
Weight	2260.5g
Maximum ambient temperature	-20°C to 40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
AC5TS40	Standard	50W	4000K	125°x105°	7000	140	2159
AC5TM40	Microwave sensor	50W	4000K	125°x105°	7000	140	2159
AC5TD40	DALI2 dimmable	50W	4000K	125°x105°	7000	140	2159
AC5TS40EM	Emergency	50W	4000K	125°x105°	7000	140	2159
AC5TM40EM	Emergency Microwave sensor	50W	4000K	125°x105°	7000	140	2159
AC5TD40EM	Emergency DALI2 dimmable	50W	4000K	125°x105°	7000	140	2159

WIRING INFORMATION

Cable required for connector	H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²
Type of wiring required	Parallel

ACCESSORIES

JB3	Waterproof Junction Box	Sold separately	446
JB5	Gel filled waterproof junction box	Sold separately	447

Anti-corrosives.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Robust fixture made of polycarbonate base and translucent polycarbonate diffuser

Held together with stainless steel clips allowing the removal of the diffuser during installation

Tough exterior provides an IP65 and IK08 housing protecting the LED components inside

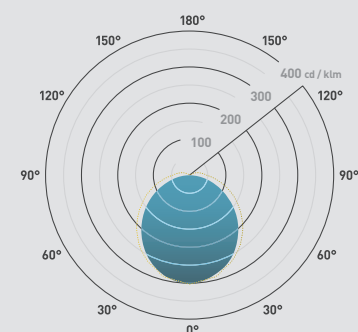
2x PG11 Compression glands are included to allow the entry/exit of wires without compromising water tightness of the fixture

Mounting clips included

Push fit loop-in loop-out terminals

Built in self-test emergency available.
Lumens output in EM mode = 250lm




Beam angle: 120°x105°



1570mm
115mm
78mm

Anti-corrosives.

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GUARANTEE / WARRANTY

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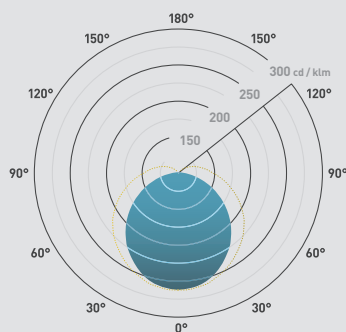
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Mounting clips included

Push fit loop-in loop-out terminals

Built in self-test emergency available.
Lumens output in EM mode = 250lm

Beam angle: 125°x105°



Caiman 6ft Single

6ft Single, anti-corrosive LED

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
UGR	20
Dimmable	DALI2
Input	220-240V
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop in / Loop out
Inrush current	Std: 11A, 150µs DALI: 23A, 200µs
Construction material	PC Stainless Steel
Weight	1945g
Maximum ambient temperature	-20°C to 40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
AC6SS40	Standard	37W	4000K	125°x105°	5100	138	1343
AC6SM40	Microwave sensor	37W	4000K	125°x105°	5100	138	1343
AC6SD40	DALI2 dimmable	37W	4000K	125°x105°	5100	138	1343
AC6SS40EM	Emergency	37W	4000K	125°x105°	5100	138	1343
AC6SM40EM	Emergency Microwave sensor	37W	4000K	125°x105°	5100	138	1343
AC6SD40EM	Emergency DALI2 dimmable	37W	4000K	125°x105°	5100	138	1343

WIRING INFORMATION

Cable required for connector	H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²
Type of wiring required	Parallel

ACCESSORIES

JB3	Waterproof Junction Box	Sold separately	446
JB5	Gel filled waterproof junction box	Sold separately	447



Caiman 6ft Twin

6ft Twin, anti-corrosive LED

FEATURES

IP rating	IP65
IK rating	IK08
Colour flexibility	Fixed colour
UGR	21
Dimmable	DALI2
Input	220-240V
LED lifetime	50,000h L80 B10
CRI	>80Ra
SDCM	5SDCM
Emergency version available	Yes

INSTALLATION INFORMATION

Install connector type	Loop in / Loop out
Inrush current	Std: 12.6A, 150µs DALI: 26A, 300µs
Construction material	PC Stainless Steel
Weight	2691.6g
Maximum ambient temperature	-20°C to 40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

PHOTOMETRICS @ 25°C

Product code	Feature	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
AC6TS40	Standard	59W	4000K	125°x105°	8500	144	2339
AC6TM40	Microwave sensor	59W	4000K	125°x105°	8500	144	2339
AC6TD40	DALI2 dimmable	59W	4000K	125°x105°	8500	144	2339
AC6TS40EM	Emergency	59W	4000K	125°x105°	8500	144	2339
AC6TM40EM	Emergency Microwave sensor	59W	4000K	125°x105°	8500	144	2339
AC6TD40EM	Emergency DALI2 dimmable	59W	4000K	125°x105°	8500	144	2339

WIRING INFORMATION

Cable required for connector	H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²
Type of wiring required	Parallel

ACCESSORIES

JB3	Waterproof Junction Box	Sold separately	446
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Anti-corrosives.

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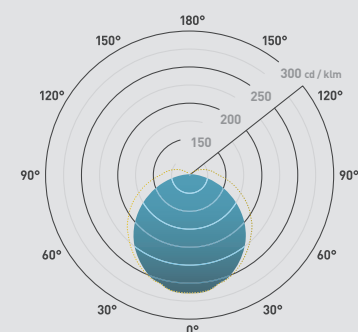
2x PG11 Compression glands are included to allow the entry/exit of wires without compromising water tightness of the fixture

Mounting clips included

Push fit loop-in loop-out terminals

Built in self-test emergency available.
Lumens output in EM mode = 250lm

Beam angle: 120°x105°



1870mm
115mm
78mm

Colour change.

Our RGBW range of colour change products provides increased flexibility to improve the atmosphere of indoor and outdoor spaces. The difference between RGB and RGBW is a white LED. Adding white to the colour mix gives the option to create pastel shades as well as vibrant colour choices. RGBW can also be run on white, giving you the option of more natural lighting when required.

To complement our RGBW products we also offer a new control system range. This makes it easy to create different lighting zones allowing individual control of separate areas using a single hand held control, wall mounted control or a smart device App for Android and iOS.



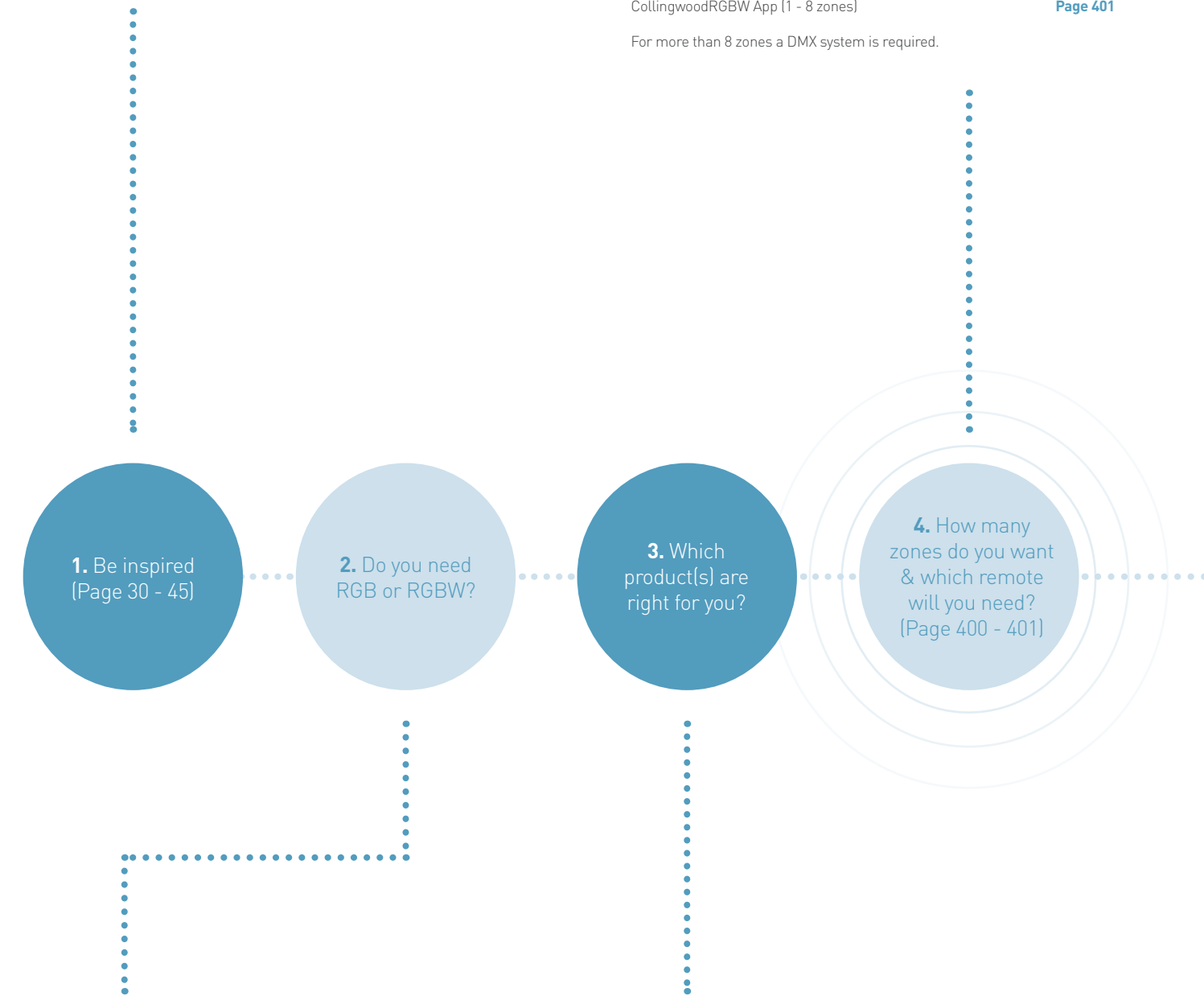
Eight easy steps.

Understanding colour change

To create exciting and diverse spaces.

Examples

See some great installations in our inspiration pages (page 30 - 45).



RGB

Use RGB products to select vivid red, green or blue schemes or mix the three together for even more colour options.



RGBW

The addition of a white LED in RGBW products provides the option for white light and pastel shades in addition to vivid red, green and blue colours.

Remotes

Wall Mounted Remote Control (1 - 4 zones)	Page 400
Hand Held Remote Control (1 - 6 zones)	Page 400
CollingwoodRGBW App (1 - 8 zones)	Page 401
For more than 8 zones a DMX system is required.	

Products

Downlights	Page 408 - 410
Ground Lights	Page 411 - 416
Wall Lights	Page 417
Pond Lights	Page 418 - 419
Uplights	Page 420 - 422
Strip Lights	Page 423 - 424

Power repeaters

PR3011 [Page 404](#)

PR3002 [Page 405](#)

For all constant current products you will need the **PR3011** and for all constant voltage products you will need the **PR3002**.

24V Driver

PS1524 15W driver

PS5024 50W driver

PS10024 100W driver

PSIP15024 150W driver

You will need a 24V driver to power your controller / decoder. The number of power repeaters will determine which driver you need.

You will need **CF505RGBW (300mm)** cable to wire your controller / decoder to your power repeaters, and your power repeaters to each other (page 406).

You may also need extension cable (page 406).

5. Do you need a RF controller or a DMX decoder? (Page 402-403)

6. Which power repeater do you need & how many of them? (Page 404 - 405)

7. What cable will you need? (Page 406 - 407)

8. Place your order

Controller / decoder

C100924 (controller) [Page 402](#)

DMX2102 (decoder) [Page 403](#)

For all installations using 1-8 zones you will need the **C100924** controller.
If there is already a DMX control system in place or you plan to use more than 8 zones you will need the **DMX2102** decoder.

24V Driver

PS1524 15W driver

PS5024 50W driver

PS10024 100W driver

PSIP15024 150W driver

You will need a 24V driver to power your controller / decoder. The number of power repeaters will determine which driver you need.

If you need any help our team are on hand on **+44 (0) 1604 495 151**.

Complete process with C100924.

Remote to product

Remotes

How many zones / rooms do you need?

Which remote covers the number of zones you need?

Is a DMX control system already in place or do you need more than 8 zones?
(Use a DMX control system in this case)

Controller

You will need one per zone.

Are you using an RF remote or a DMX control system? (Use the C100924 with RF remotes and the DMX2102 with DMX control systems)

What wattage driver do you need to power your controller / decoder?

Power repeaters

Are you using constant voltage or constant current products? (Use PR3002 for constant voltage products and PR3011 for constant current products)

You will need **CF505RGBW (300mm)** cable to connect each of your power repeaters.

What wattage driver(s) do you need to power your power repeaters?

Products

What products do you want?

You will need cable to connect your products to your power repeaters.

Avoid using RGB and RGBW products in the same zone as the colour may not always match.

Remotes



WC2820WH / WC2820BLK

Page 400



Controller (Per zone)



Controller - C100924

Page 402



RC2819

Page 400

24V driver (Per zone)



PS1524

15W driver



PS5024

50W driver



PS10024

100W driver



PSIP15024

150W driver



CollingwoodRGBW App

Page 401

with TR2818

Page 401



PS1524

15W driver

(TR2818 requires a driver)

Per zone

Power repeaters (Per zone)



Power repeater - PR3011

Page 404



Power repeater - PR3011

Page 404



Power repeater - PR3002

Page 405

24V driver



PS1524

15W driver



PS5024

50W driver



PS10024

100W driver



PSIP15024

150W driver

Products



Don't forget you will need 300mm extra CF505RGBW cable for every power repeater you use.



It is not advised to put RGB & RGBW products in the same zone as the colours will not always match.

Zones.

Remotes

A zone can cover any space you choose. They are often assigned to rooms so that you can have different colour settings for each room and be able to adjust them completely independently from one another using your remote control. For example...

House front



Zone 1

Living room



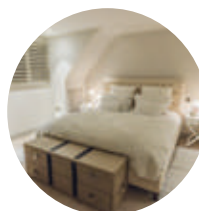
Zone 1

Kitchen



Zone 3

Bedroom 1



Zone 4

Remember you
can assign any
room to any
zone number

Once you have decided how many zones you require, you will need to select a remote that is capable of covering that number of zones. You are able to use multiple remotes as long as they are all capable of covering the number of zones you have.

Wall mounted remote control - WC2820BLK / WC2820WH - **1-4 zones**

Hand held remote control - RC2819 - **1-6 zones**

CollingwoodRGBW app - with TR2818 (requires 15W driver) - **1-8 zones**

Zone 1 / 1 Room

Zone 2 / 2 Rooms

Zone 3 / 3 Rooms

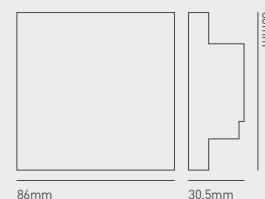
Zone 4 / 4 Rooms

WC2820WH / WC2820BLK

Wall mounted RGBW remote control

Controlling Collingwood Lighting's RGB & RGBW ranges could not be easier with this wall mounted remote control. Using radio frequency (RF) removes the need to connect a signal cable to the controller for a cleaner and quicker installation. By simply touching the screen, select solid colours or start a cycle to change the atmosphere. Colours can also be dimmed by holding down the colour button. Select up to 4 zones to give individuality to each room.

Note: The WC2820 requires 240V AC supply.

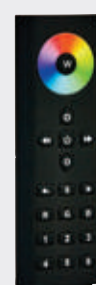


RC2819

Handheld remote control

Controlling RGB & RGBW lights on the move could not be easier with this remote control. Using RF removes the need to connect a signal cable to the controller for a cleaner and quicker installation. Select solid colours or start a colour changing cycle to create the perfect atmosphere. Colours can also be dimmed by holding down the colour button. From just one remote control you can select up to 6 different rooms and change the colours individually to suit. A maximum of 8 remote controls can be used and programmed to store your favourite colours.

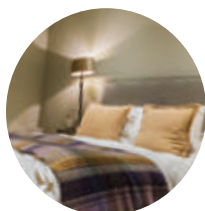
Note: Requires 3x AAA batteries (not included)





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Bedroom 2



Zone 5

Garden



Zone 6

Dining room



Zone 7

Stairs / hallway



Zone 8

If you require more than 8 zones you will need to use a DMX control system

Zone 5 / 5 Rooms

Zone 6 / 6 Rooms

Zone 7 / 7 Rooms

Zone 8 / 8 Rooms

CollingwoodRGBW App

iPhone, iPad & Android app for wireless control

Control RGB & RGBW products with a smart device for up to 8 zones. By simply touching the screen, select solid colours, start a cycle or control lights via a sound to light option. The app can be downloaded for free on Android and iOS.

Note: Use in conjunction with TR2818.

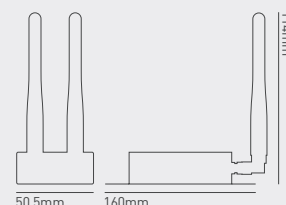


TR2818

WiFi to RF transmitter

Controlling RGB & RGBW products with a phone, computer or tablet could not be easier with the TR2818. Simply add this unit into your Collingwood Lighting colour change installation and select millions of colours in comfort. Using the CollingwoodRGBW app simply connect directly to the TR2818 or via your own WiFi.

Note: The TR2818 requires a 15W driver such as the PS1524.



Do this
for each
zone

Controllers.

Which one and what power supply?

A controller is the device that receives a signal from your remote or DMX control system and then makes the LEDs match the colour you have set. You need one controller in each zone to adjust all of the LEDs in that zone.

You will have already decided how many zones you are going to have. If you are controlling eight or less zones then you will need the C100924 controller.

For 1 - 8 zones use the C100924 controller (1 controller per zone)

C100924 - RGB & RGBW Controller

The C100924 is essential to complete any Collingwood Lighting colour change installation. Receiving the signal from your remote control or device using radio frequency (RF) makes this a fast, simple and flexible method of achieving atmospheric lighting. By removing the need for complicated DMX systems, multi zone colour change can be achieved. Use the C100924 for each zone up to a maximum of 8. The C100924 works with both the PR3011 and the PR3002 power repeaters.



Don't forget your 24V driver to power your controller

Now that you know how many power repeaters you have in each zone you will be able to use the table to work out which 24V driver you will need to power your controller.

If you are using more than 100 power repeaters in a zone contact us for further help and information on **+44 (0) 1604 495 151**.

Number of power repeaters	Wattage driver needed	Product (driver)
1 - 10	15W	PS1524
11 - 30	50W	PS5024
31 - 60	100W	PS10024
61 - 100	150W	PSIP15024



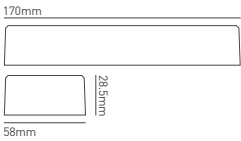
When using a DMX control system only

Got a query? Contact our team on +44 (0) 1604 495 151

DMX2102 decoder (1 decoder per zone)

DMX2102 - RGB & RGBW DMX Decoder

Use the DMX2102 when using a DMX512 controller only. As part of your Collingwood Lighting colour change installation, simply replace the C100924 controller with the DMX2102 and create up to 512 channels, perfect for the larger installations and when an existing DMX controller is used. The DMX2102 works with both the PR3011 and the PR3002 power repeaters.



Don't forget your 24V driver to power your decoder

Now that you know how many power repeaters you have in each zone you will be able to use the table to work out which 24V driver you will need to power your controller.

If you are using more than 100 power repeaters in a zone contact us for further help and information on +44 (0) 1604 495 151.

Number of power decoders	Wattage driver needed	Product (driver)
1 - 10	15W	PS1524
11 - 30	50W	PS5024
31 - 60	100W	PS10024
61 - 100	150W	PSIP15024



Power repeaters.

Which one and how many?

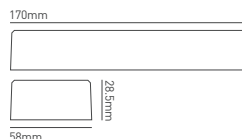
Do this
for each
zone

Now you know which products you are going to use and how many of them you will be using in each zone, you can establish which power repeaters you need and work out how many of them you will require.

For all constant current products use the PR3011

PR3011 - 350mA RGB & RGBW Power repeater

A 350mA power supply for the RGB & RGBW product range. Simply wire up to 100 PR3011 to a C100924 for a quick and simple colour change installation, giving you the ability to have as many as 600 luminaires per zone.



Calculate how many PR3011's you need for the products you have

Product code	Product family	Max. per PR3011
DL329RGBW	Downlight	6
GL007RGBW	Ground Light	2
GL008RGBW	Ground Light	1
GL016RGBW	Ground Light	6
GL040CARGB	Ground Light	6
GL050RGBW	Ground Light	6
GL090RGBW	Ground Light	2
LL030CARGB	Downlight	6
LL090RGBW	Downlight	2
UL010RGBW	Pond Light	6
UL030RGBW	Pond Light	2
UL345CARGB	Façade Light	1
UL346CARGB	Façade Light	1
UL347CARGB	Façade Light	1
WL070RGBW	Wall Light	1
WL075CARGB	Wall Light	2

! Don't forget you'll need 300mm of CF505RGBW cable for every power repeater you use.

For example:

If you had selected these products for your zone.






Using the table to the left we can see that you would need to spread them over the following power repeaters



This means you would need to order the following...

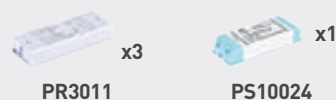


Don't forget your 24V driver to power your power repeater

Number of power repeaters	Wattage driver needed	Product (driver)
1	50W	PS5024 
2-3	100W	PS10024 
4-5	150W	PSIP15024 

The products will be powered by power repeaters that require a 24V driver. The table shows you which driver you need for the number of power repeaters you are using. **If you require more than 5 power repeaters you will need another driver.**

In the example we calculated that we need 3 x PR3011. Using the table to the left we can see that we need a 100W driver. This means that you will need to order the following...



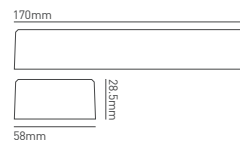


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For all constant voltage products (strip lights) use the PR3002




PR3002 - 24V RGB & RGBW Power repeater

A 24V power supply for the strip product range. Simply wire up to 100 to a C100924 for a quick and simple colour change installation, giving you the ability to have as many as 1000 metres of LED strip per zone.



Calculate how many PR3002's you need for the products you have and which driver you need to power your power repeaters

LSR05 (RGBW strip) - Bespoke lengths available

Length of strip per power repeater	Wattage driver needed	Product (driver)
Up to 2m per PR3002	50W	PS5024 
Up to 5m per PR3002	100W	PS10024 
Up to 10m per PR3002	150W	PSIP15024 

- ! For all strip, you can put up to 5m on one circuit per PR3002, but for 5-10m you will need to put the strip on two circuits per PR3002 (see product instructions).
- ! Don't forget you will need 300mm of CF505RGBW cable for every power repeater you use.

For example:

If you had selected these products for your zone.



Using the table to the left we can see that 10m of LSR05 strip would fully load a PR3002 so the remaining 3m of strip would need another PR3002 (using just under 50% of it).



This means you would need to order the following...



We are using 2 x PR3002. As you can see from the tables you will need a 150W driver for 10m of LSR05. The remaining 3m will need a 50W driver. This means you will need the following...



Wiring.

For your colour change products

You may need additional connectors and accessories to connect your colour change products

5-core PVC cable



CR575RGBW

5-core PVC cable

Product code	CR575RGBW
Construction material	Copper cable
Cable	PVC 5 x 0.75mm ²
Guarantee	1 year

Use in conjunction with:

All RGBW products	
JB7	447

Features & benefits

Suitable for extending cable on RGBW products.

5-core RGBW ribbon cable



CF505RGBW

5-core RGBW ribbon cable

Product code	CF505RGBW
Construction material	Copper cable
Cable	5 x 0.3mm ² , 1x 0.5mm ² (black) ribbon cable
Guarantee	1 year

Use in conjunction with:

C100924	402
PR3011	404
PR3002	405

Features & benefits

Suitable for connecting C100924 to multiple PR3002 & PR3011.

Colour change extension lead for RGBW products



LEDRGBWEXT

Colour change extension lead for RGBW products

Product code	LEDRGBWEXT
Construction material	Copper cable
Cable	1m (AWG 24) (0.205mm ²)
Rated max voltage	300V
Rated temperature	80°C
Series / parallel	Series (Plug & play)
Guarantee	1 year

Use in conjunction with:

DL329RGBW	410
LL090RGBW	408
WL070RGBW	417

Features & benefits

Use multiple extensions for longer lead requirements.

Complete circuit with blanking plug.

Simple extension for series circuit.

5-core, RGBW and return.

Colour change extension lead for RGBW products



LED 3 RGB EXT

Colour change extension lead for RGB products

Product code	LED 3 RGB EXT
Construction material	Copper cable
Cable	1m (AWG 24) (0.205mm ²)
Rated max voltage	300V
Rated temperature	80°C
Series / parallel	Series (Plug & play)
Guarantee	1 year

NB: Removal of plugs will render this product non-returnable

Use in conjunction with:

LL030CARGB	409
------------	-----

Features & benefits

Use multiple extensions for longer lead requirements.

Complete circuit with blanking plug.

Simple extension for series circuit.

4-core. RGB and return.

3-core shielded cable



DMX RS 485 CABLE

3-core shielded cable

Product code	DMX RS 485 CABLE
Construction material	Copper cable
Cable	0.15mm ²
Guarantee	1 year

Use in conjunction with:

DMX2102	403
---------	-----

Features & benefits




Shielded cable.

Interference-free DMX signals
(suitable for DMX2102).

Supplied on 100m reels
(also available by the metre).

Colour change.

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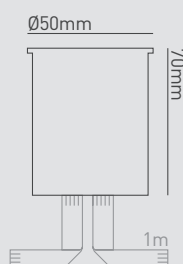
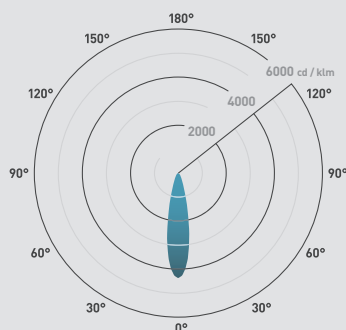
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

MR16 for retrofit into existing housings
Plug & play connectors for quick installation
Separate white LED for permanent use
Full RGBW colour range
Compatible with a large range of controllers

Beam angle: 25°



LL090RGBW

Colour change LED unit (13W max.)

FEATURES

IP rating	IP40
Colour flexibility	RGBW
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Install Connector Type	Flying lead
Insulation Coverable	No
Cut out size	Housing dependant
Bathroom zone	Housing dependant
Suitable for coastal areas	No
Construction material	Aluminium
Weight	200g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Colour	Beam angle	lm	lm/W	lx at 1m
LL090RGBW	White	25°	253	77	1099
	Red	25°	140	58	292
	Green	25°	275	83	831
	Blue	25°	46	14	15

WIRING INFORMATION

Cable / flying lead	2x 1m Plug & play 5-core ribbon cable
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-2 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS


See pages 402-405 for complete control and LED driver offer


ACCESSORIES


LEDRGBWEXT	Colour change plug & play 1m extension lead	Sold separately	407
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401

Colour change.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

MR16 for retrofit into existing housings
Plug & play connectors for quick installation
Short heatsink for shallow housings
Full RGBW colour range
Compatible with a large range of controllers



LL030CARGB

Colour change LED unit (4W max.)

FEATURES

IP rating	IP40
Colour flexibility	RGB
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Install Connector Type	Flying lead
Insulation Coverable	No
Cut out size	Housing Dependant
Bathroom zone	Housing Dependant
Suitable for coastal areas	No
Construction material	Aluminium
Weight	50g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LL030CARGB	1	Red	18°	38	38	319
	1.2	Green	18°	75	63	774
	1.2	Blue	18°	11	9	9

WIRING INFORMATION

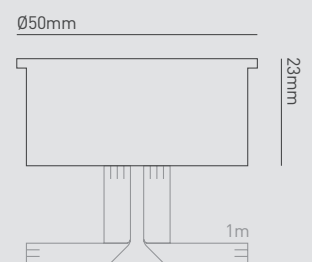
Cable / flying lead	2x 1m Plug & play 4-core ribbon cable
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-2 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer




ACCESSORIES

LED 3 RGB EXT	Colour change plug & play 1m extension lead	Sold separately	407
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401



Colour change.

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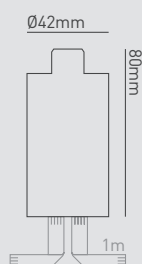
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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Low weight for mounting in ceiling voids
Requires no fan to cool down
Projects light down 1m & 2m lengths of fibre
Full RGBW colour range
Separate white LED for permanent use
Compatible with a large range of controllers



DL329RGBW

Colour change fibre optic injector (5W max.)

FEATURES

IP rating	IP20
Colour flexibility	RGBW
Input	350mA
LED lifetime	50,000h L50 B50
CRI	>80Ra
SDCM	N/A

INSTALLATION INFORMATION

Install Connector Type	Flying lead
Cut out size	N/A
Bathroom zone	N/A
Suitable for coastal areas	No
Construction material	Aluminium
Weight	210g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	lm	lm/W	lx at 1m
DL329RGBW	1.1	White	14	13	-
	1	Red	-	-	-
	1.1	Green	-	-	-
	1.1	Blue	-	-	-

WIRING INFORMATION

Cable / flying lead	2x 1m Plug & play 5-core ribbon cable
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-6 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

LEDRGBWEXT	Colour change plug & play 1m extension lead	Sold separately	407
FIBRE LED 1/30	Fibre optics 1m	Sold separately	123
FIBRE LED 2/30	Fibre optics 2m	Sold separately	123
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401



GL008RGBW

Twin drive over, colour change LED ground light (25W max.)

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	RGBW
Tilttable	20°
Rotation angle	N/A
Walk over / drive over	Drive over (15mph maximum)
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel 304 (cover ring only) / aluminium (body)
Weight	4.1Kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL008RGBW	6.6	White	25°	360	55	1701
	4.8	Red	25°	261	54	715
	6.6	Green	25°	416	63	1280
	6.6	Blue	25°	68	10	285

WIRING INFORMATION

Cable / flying lead	3m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	N/A
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

Installation tube	Installation tube	Included
JB7	5-pole IP68 inline connector	Sold separately 447
CR575RGBW	5-core PVC cable	Sold separately 406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately 400 - 401

Colour change.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Adjustable LED fitting to ±20°

Installation tube included

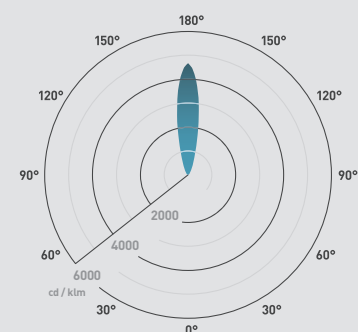
10mm toughened glass, ideal for use in driveways

Full RGBW colour range

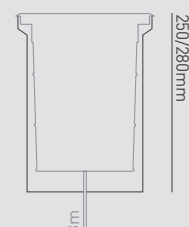
Separate white LED for permanent use

Compatible with a large range of controllers

Beam angle: 25°






Ø225/212mm



Colour change.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Adjustable LED fitting to $\pm 20^\circ$

Installation tube included

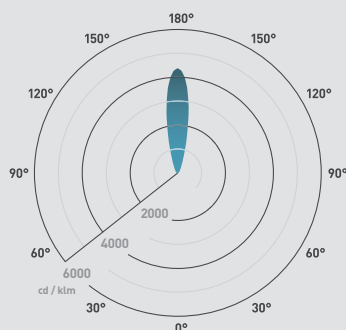
10mm toughened glass, ideal for use in driveways

Full RGBW colour range

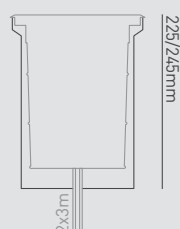
Separate white LED for permanent use

Compatible with a large range of controllers

Beam angle: 36°



Ø185/180mm



GL007RGBW

Drive over, colour change LED ground light (13W max.)

FEATURES

IP rating	IP67
IK rating	IK10
Colour flexibility	RGBW
Tilttable	20°
Rotation angle	N/A
Walk over / drive over	Drive over (15mph maximum)
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel 304 (cover ring only) / aluminium (body)
Weight	2.5Kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL007RGBW	3.3	White	36°	180	55	782
	2.4	Red	36°	131	55	539
	3.3	Green	36°	208	63	944
	3.3	Blue	36°	34	10	15

WIRING INFORMATION

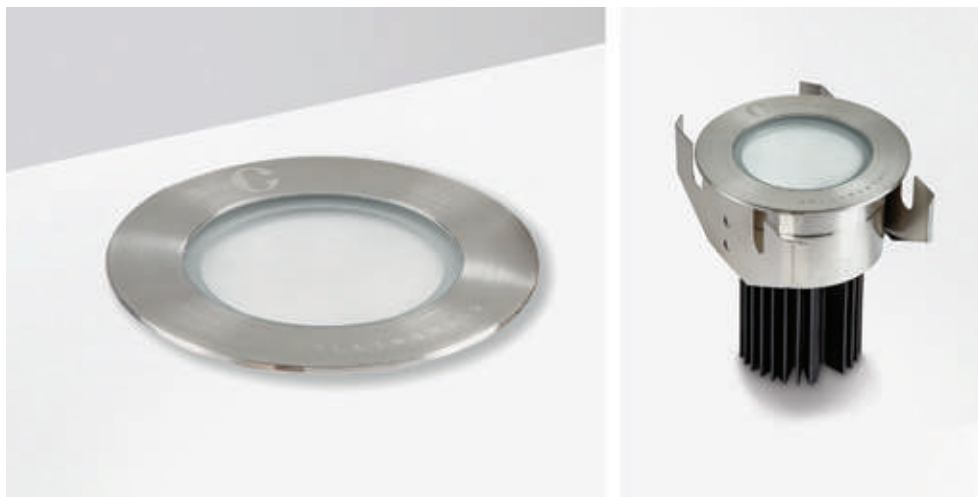
Cable / flying lead	2x 3m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-2 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

Installation tube	Installation tube	Included	220
JB7	5-pole IP68 inline connector	Sold separately	447
CR575RGBW	5-core PVC cable	Sold separately	406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401



GL090RGBW

High output LED colour change ground light (12W max.)

FEATURES

IP rating	IP67
IK rating	IK08
Colour flexibility	RGBW
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel (316)
Weight	900g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Colour	Beam angle	lm	lm/W	lx at 1m
GL090RGBW	White	45°	177	59	173
	Red	45°	106	53	102
	Green	45°	185	62	179
	Blue	45°	43	14	42

WIRING INFORMATION

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-2 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

TUBE/68	Installation tube	Sold separately	220
JB7	5-pole IP68 inline connector	Sold separately	447
CR575RGBW	5-core PVC cable	Sold separately	406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401
GLA01	Ground Light Accessory, square plate, stainless steel 316,	Sold separately	221

Colour change.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

High output colour change for large areas

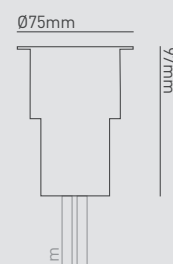
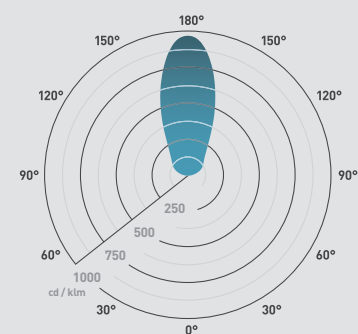
Marine grade stainless steel for use in outdoor and indoor environments

Full RGBW colour range

Separate white LED for permanent use




Compatible with a large range of controllers

Beam angle: 45°



Colour change.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Low profile for easy installation
Installation tube available
Full RGBW colour range
Compatible with a large range of controllers
Marine grade stainless steel for use in outdoor and indoor environments



GL040CARGB

Colour change LED ground light (3.5W max.)

FEATURES

IP rating	IP68
IK rating	IK08
Colour flexibility	RGB
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel (316)
Weight	800g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL040CARGB	1	Red	18°	34	34	287
	1.2	Green	18°	68	56	697
	1.2	Blue	18°	8	7	8

WIRING INFORMATION

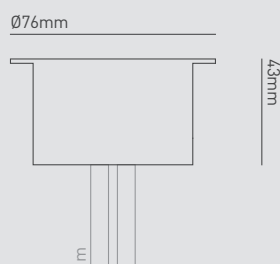
Cable / flying lead	1x 3m LED RGB 0.75mm ² cable (outside diameter: 6mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-6 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer


ACCESSORIES


TUBE/68	Installation tube	Sold separately	220
JB7	5-pole IP68 inline connector	Sold separately	447
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401
GLA01	Ground Light Accessory, square plate, stainless steel 316,	Sold separately	221




Colour change.

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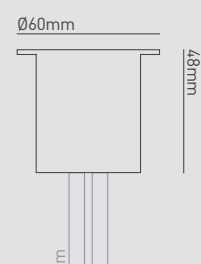
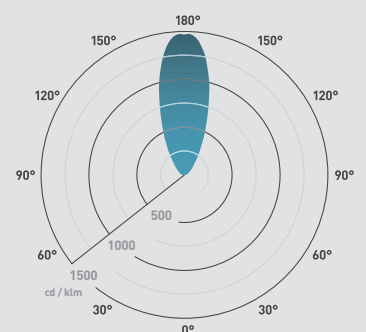
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

- Installation tube available
- Low profile for easy installation
- Full RGBW colour range
- Separate white LED for permanent use
- Compatible with a large range of controllers
- Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 40°



GL016RGBW

LED colour change ground light (5W max.)

FEATURES

IP rating	IP67
IK rating	IK09
Colour flexibility	RGBW
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	3SDCM

INSTALLATION INFORMATION

Cut out size	Ø 50mm
Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel (316)
Weight	300g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL016RGBW	1.2	White	40°	50	42	74
	1	Red	40°	38	38	75
	1.2	Green	40°	63	53	124
	1.2	Blue	40°	11	9	17

WIRING INFORMATION

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-6 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS




See pages 402-405 for complete control and LED driver offer

ACCESSORIES

TUBE/50	Installation tube	Sold separately	220
JB7	5-pole IP68 inline connector	Sold separately	447
CR575RGBW	5-core PVC cable	Sold separately	406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401

Colour change.

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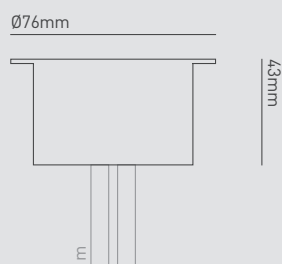
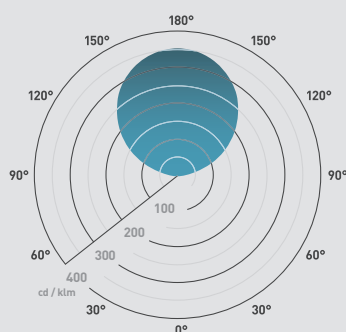
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Frosted glass for subtle colour change
Low profile for easy installation
Full RGBW colour range
Compatible with a large range of controllers
Separate white LED for permanent use
Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 100°



GL050RGBW

Colour change LED ground / marker light (5W max.)

FEATURES

IP rating	IP67
IK rating	IK08
Colour flexibility	RGBW
Walk over / drive over	Walk over (5mm toughened glass)
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Cut out size	Ø 65mm
Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel (316)
Weight	800g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
GL050RGBW	1.2	White	100°	11	9	2
	1	Red	100°	9	9	2
	1.2	Green	100°	13	11	3
	1.2	Blue	100°	2	2	1

WIRING INFORMATION

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-6 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

TUBE/68	Installation tube	Sold separately	220
JB7	5-pole IP68 inline connector	Sold separately	447
CR575RGBW	5-core PVC cable	Sold separately	406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401



WL070RGBW

Up / down LED colour change wall light (24W max.)

FEATURES

IP rating	IP65
IK rating	N/A
Colour flexibility	RGBW
Tilttable	No
Rotation angle	No
Input	350mA
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Anodised aluminium
Weight	0.9kg
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
WL070RGBW	6	White	45°	200 / 200	67	154 / 154
	4.0	Red	45°	145 / 145	73	60 / 60
	6.0	Green	45°	230 / 230	77	168 / 168
	6.0	Blue	45°	38 / 38	13	1 / 1

WIRING INFORMATION

Cable / flying lead	1x 5-core ribbon cable
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

LEDRGBWEXT	Colour change plug & play 1m extension lead	Sold separately	407
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401

Colour change.

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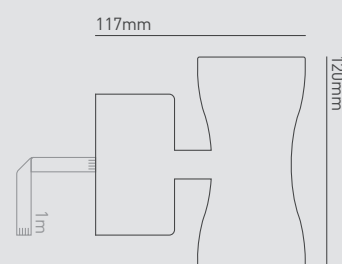
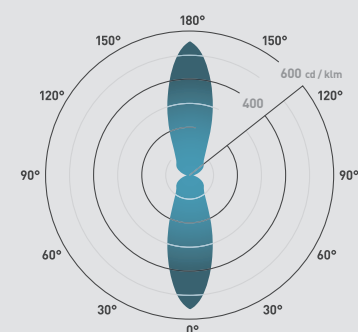
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS




- Complete with wall fixings for easy installation
- Projects light in two directions
- Separate white LED for permanent use
- Full RGBW colour range
- Anodised aluminium for use in outdoor and indoor environments
- Compatible with a large range of controllers

Beam angle: 45°



Colour change.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Complete with wall fixings for easy installation

Can rotate and be angled to direct light

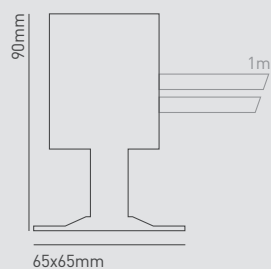
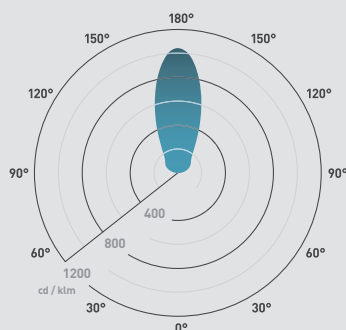
Separate white LED for permanent use

Full RGBW colour range

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 45°



UL030RGBW

Colour change LED light (12W max.)

FEATURES

IP rating	IP67
IK rating	N/A
Colour flexibility	RGBW
Tilttable	360°
Rotation angle	360°
Input	350mA
LED lifetime	50,000h L50 B50
CRI	>80Ra
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel (316)
Weight	900g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
UL030RGBW	3	White	45°	177	59	154
	2	Red	45°	106	53	60
	3	Green	45°	185	62	168
	3	Blue	45°	43	14	1

WIRING INFORMATION

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-2 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

JB7	5-pole IP68 inline connector	Sold separately	447
CR575RGBW	5-core PVC cable	Sold separately	406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401



UL010RGBW

Colour change LED light (5W max.)

FEATURES

IP rating	IP67
IK rating	N/A
Colour flexibility	RGBW
Tilttable	360°
Rotation angle	360°
Input	350mA
LED lifetime	50,000h L50 B50
CRI	>80Ra
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Stainless steel (316)
Weight	700g
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
UL010RGBW	1.1	White	40°	50	45	101
	1	Red	40°	38	38	75
	1.1	Green	40°	63	57	124
	1.1	Blue	40°	11	8	17

WIRING INFORMATION

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1-6 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

JB7	5-pole IP68 inline connector	Sold separately	447
CR575RGBW	5-core PVC cable	Sold separately	406
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401

Colour change.

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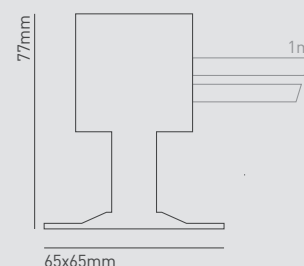
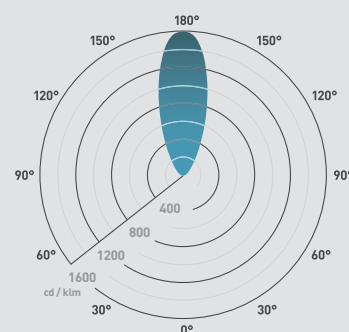
GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

- Complete with wall fixings for easy installation
- Can rotate and be angled to direct light
- Separate white LED for permanent use
- Full RGBW colour range
- Compatible with a large range of controllers
- Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 40°



Colour change.

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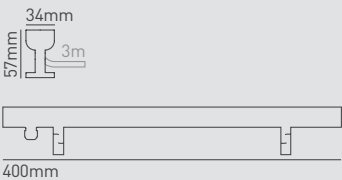
- @collingwoodLED
- /collingwoodlighting
- collingwoodled

GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

- Surface mount in multiple applications
- Full RGB colour range
- Compatible with a large range of controllers
- Anodised aluminium for use in outdoor and indoor environments
- Removable feet can be used anywhere along the base or sides. Allen key included



UL345CARGB

110° colour change wall washing light bar (12W max.)

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	RGB
Tilttable	180°
Rotation angle	No
Input	Driver Required
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Anodised aluminium
Weight	0.7kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
UL345CARGB	4	Red	110°	96	24	32
	4.1	Green	110°	161	39	57
	4.3	Blue	110°	51	12	19

WIRING INFORMATION

Cable / flying lead	1x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS


See pages 402-405 for complete control and LED driver offer


ACCESSORIES


JB3	Waterproof junction box	Sold separately	446
ULBRACKET	2 piece black anodised aluminium bracket	Sold separately	261
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401

Colour change.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Surface mount in multiple applications

Full RGB colour range

Compatible with a large range of controllers

Anodised aluminium for use in outdoor and indoor environments

Removable feet can be used anywhere along the base or sides. Allen key included

UL346CARGB

25x6° colour change wall washing light bar (12W max.)

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	RGB
Tilttable	180°
Rotation angle	No
Input	Driver Required
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Anodised aluminium
Weight	0.7kg
Maximum ambient temperature	35°C
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
UL346CARGB	4	Red	25x6°	70	18	358
	4.1	Green	25x6°	136	33	637
	4.3	Blue	25x6°	23	5	96

WIRING INFORMATION

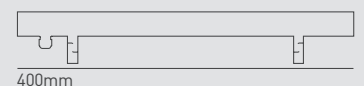
Cable / flying lead	1x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer




ACCESSORIES

JB3	Waterproof junction box	Sold separately	446
ULBRACKET	2 piece black anodised aluminium bracket	Sold separately	261
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401



Colour change.

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GUARANTEE / WARRANTY

5 year extended warranty

FEATURES & BENEFITS

Surface mount in multiple applications
Full RGB colour range
Compatible with a large range of controllers
Anodised aluminium for use in outdoor and indoor environments
Removable feet can be used anywhere along the base or sides. Allen key included



UL347CARGB

45° colour change wall washing light bar (12W max.)

FEATURES

IP rating	IP65
IK rating	IK02
Colour flexibility	RGB
Tilttable	180°
Rotation angle	No
Input	Driver Required
LED lifetime	50,000h L50 B50
CRI	N/A
SDCM	N/A

INSTALLATION INFORMATION

Bathroom zone	1
Suitable for coastal areas	Yes
Construction material	Anodised aluminium
Weight	0.7kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
UL347CARGB	4	Red	45°	77	19	175
	4.1	Green	45°	285	70	535
	4.3	Blue	45°	51	12	90

WIRING INFORMATION

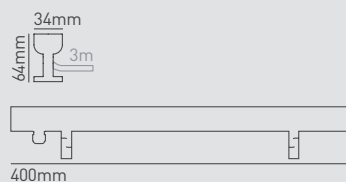
Cable / flying lead	1x 3m LED RGB 0.75mm ² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)
PR3011	350mA power repeater, 4 RGBW channels, 350mA (for 1 product) (not included)
C100924	RGB & RGBW controller, 24V (not included)

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer


ACCESSORIES


JB3	Waterproof junction box	Sold separately	446
ULBRACKET	2 piece black anodised aluminium bracket	Sold separately	261
RC2819 / WC2820(BLK/WH) / TR2818	4/6/8 zone RF control for RGB & RGBW system	Sold separately	400 - 401




Colour change.

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GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

Cut point every 100mm

Hard-wearing clear covering

Foil backed flexible PCB dissipates heat (improves LED life and colour stability)

Full RGBW range

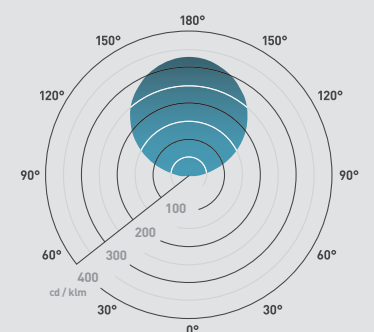
Separate white LED for permanent use

3M self-adhesive backing

Supplied in customised lengths (0.1m up to 4.9m in 100mm increments) 5m reel also available

Compatible with a large range of controllers

Beam angle: 120°



5m/100mm



LSR05

Colour change, self-adhesive flexible strip (15W max.)

FEATURES

IP rating	IP20
Colour flexibility	RGBW
Bespoke lengths	Yes, call 01604 495 151 for more information
Self-adhesive backing	Yes
Input	Driver required
LED lifetime	50,000h
CRI	>85Ra

INSTALLATION INFORMATION

Construction material	Flexible tape
Weight	20g per meter
Electric class [1, 2, 3]	3

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
LSR0540050	5W per metre	White (4000K)	120°	350	70	115
	3.9W per metre	Red	120°	130	33	20
	3W per metre	Green	120°	270	90	70
	2.9W per metre	Blue	120°	65	22	5
LSR0530050	5W per metre	White (3000K)	120°	350	70	115
	3.9W per metre	Red	120°	130	33	20
	3W per metre	Green	120°	270	90	70
	2.9W per metre	Blue	120°	65	22	5
LSR0527050	5W per metre	White (2700K)	120°	350	70	115
	3.9W per metre	Red	120°	130	33	20
	3W per metre	Green	120°	270	90	70
	2.9W per metre	Blue	120°	65	22	5

WIRING INFORMATION

Cable / flying lead	0.2m 5-core ribbon cable
Type of wiring required	Parallel
PR3011	350mA power repeater, 4 RGBW channels, 350mA (up to 10m dependant on driver) [not included]
C100924	RGB & RGBW controller, 24V [not included]

CONTROL & LED DRIVERS

See pages 402-405 for complete control and LED driver offer

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold separately	156-157
CF505RGBW	5-core RGBW ribbon cable	Sold separately	406

Colour change.

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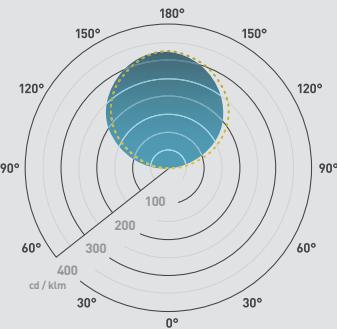
GUARANTEE / WARRANTY

3 year extended warranty

FEATURES & BENEFITS

- 5m reel
- Driver included
- Remote control included
- IP20 making it ideal for indoor use
- 14.4W/m

Beam angle: 120°



SPRGBW

RGBW Strip Kit, IP20, 14.4W/m, self-adhesive 5m LED strip pack with driver and remote control included

FEATURES

IP rating	IP20
Colour flexibility	RGBW
Bespoke lengths	No
Self-adhesive backing	Yes
Dimmable	Yes
LED lifetime	25,000h
CRI	N/A

INSTALLATION INFORMATION

Insulation Coverable	No
Inrush current	75A 0.11ms
Construction material	Copper
Maximum ambient temperature	40°C
SELV	Yes

PHOTOMETRICS @ 25°C

Product code	Wattage	Colour	Beam angle	lm	lm/W	lx at 1m
SPRGBW	4.8W per metre	White	120°	373	78	124
	4.5W per metre	Red	120°	110	25	33
	4.8W per metre	Green	120°	296	62	89
	4.5W per metre	Blue	120°	79	18	24

WIRING INFORMATION

Cable / flying lead	Supplied with a minimum of 250mm fly lead with connector from one end
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input	SELV	Dimming	Bathroom zone	Min	Max
PS7524	220-240V	Yes	N/A	2	10cm	5m

ACCESSORIES

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold separately	156-157
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold separately	446
LED COVE PACK	Coving to house adhesive strip	Sold separately	157
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold separately	436



Lighting controls.

Our wiring and drivers selection will provide all the components required to install our products, providing both ease of installation and maintenance-free installations for many years to come. Offering both wiring and drivers for all Collingwood products, you will receive the same high-quality features and benefits as standard that are provided with our lights.

To complement our RGB and RGBW products, we also offer a range of control systems. Use them to create unique lighting zones which control separate areas with a handheld, wall mounted or smart device control (suitable for Android and iOS.) Also included in our extensive range of control devices is our range of dimmable power supplies, providing the ability to easily control the ambiance of individual zones. Available in 1-10V, DALI or mains dimming, installing Collingwood products as part of a home automation system could not be easier.



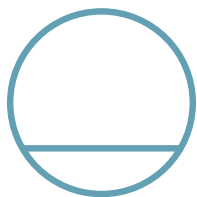
Drivers.

The ideal driver for every installation

We offer a wide range of drivers, suitable for any environment that are ideal for all Collingwood Lighting products, so you can expect the highest levels of quality and durability throughout your installation.

IP ratings

IP ratings classify the degrees of protection provided against the intrusion of solid objects and water in electrical enclosures.



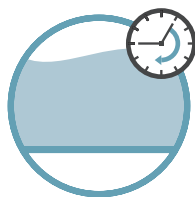
IP20

Perfect for use indoors and where there is no risk of water splashing the product.



IP64

Ideal for use indoors or outdoors, in bathrooms and other places where water may be sprayed onto the product.



IP67

Suited for use outdoors and near water, but cannot be permanently submerged.

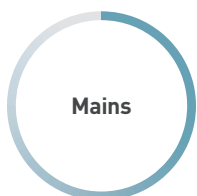
PSIP drivers

We have redesigned our range of IP65 rated drivers that are used with our low voltage landscape products. 350mA and 700mA options are available and wattage range has been extended to allow for more fittings per driver. The drivers also now come with an increased warranty of five years.



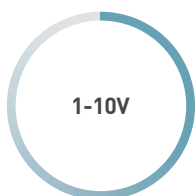
Dimming options

As each installation is unique and has individual requirements, choose between mains, 1-10V or DALI dimming options.



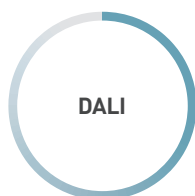
Mains

If your product has an integrated mains dimmable driver, no separate driver is required. This is classed as a 'straight to mains' product.



1-10V

With a 1-10V system, all the LEDs connected to the dimmer will dim at an equal amount.

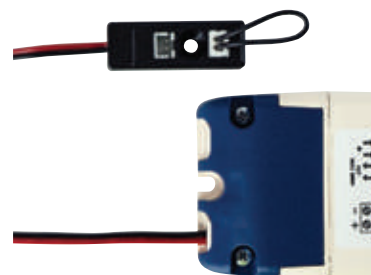


DALI

A DALI system can be structured in a way which allows LEDs to respond to certain rooms or zones. Each LED in the same zone will dim an equal amount*.

Plug and play

Installing and connecting a driver is made much easier using plug and play. If you have a suitable product, use one of our plug and play drivers for straightforward installation.



Output classification options – constant current / constant voltage

Constant current LED drivers are designed to deliver a constant output current within a specified output voltage range. Such drives adjust the voltage throughout the circuit and keep the current on each LED constant.

Constant voltage LED drivers are designed to operate at a single, constant output voltage. The most commonly used constant voltage sources are 12 V and 24 V. The constant voltage LED driver takes the mains voltage (220 V AC) and converts it to DC, reducing it to the appropriate low voltage value for the LEDs. The drive will always remain at constant voltage, no matter how much current load. The maximum current that constant voltage drives can reach is determined by the design parameters and this value is written on the driver.

350mA

Use a 350mA driver when powering 350mA products.

700mA

Use a 700mA driver when powering 700mA products.

24V

Use a 24V driver when powering 24V products.

Colour change.

Making controlling colour easier

Use our easy to follow step-by-step colour change control guide on pages **396-407** and follow the guide to determine what you need for your installation.

Remote controls

Offering a choice between hand held, wall mounted or app control, finding the perfect device for you couldn't be easier. Choose the ideal control for the number of zones that you want to manage. See **400-401** about zones.



WC2820WH / WC2820BLK

1-4 zones

Wall mounted control.



RC2819

1-6 zones

Handheld control.



CollingwoodRGBW App

1-8 zones

Smart device app for Android & iOS.

Note: Use in conjunction with TR2818.



TR2818

WiFi to RF transmitter.

Controllers

This is the device used to receive a signal from your remote or DMX control system which then matches the LEDs to the colour you have selected. You will need one controller for each zone.



C100924

This eliminates the requirement for complex DMX systems. The C100924 receives the signal from the remote and matches the LEDs to the colour you have selected.



DMX2102

Using this allows our colour change system to function well with a DMX controller. The DMX2102 receives the signal from the remote and matches the LEDs to the colour you have selected.

Power repeaters

A power repeater distributes the power from the power supply to the products.



PR3011

Ideal for when using constant current products. With the ability to fit up to 100 of these to a C100924 controller, you can have as many as 600 luminaires per zone.



PR3002

Ideal solution for when using 24V products such as LED strip. With the ability to fit up to 100 of these to a C100924 controller, you can have as much as 1000m of LED strip per zone.

Products per driver matrix

The table below shows the minimum and maximum of each product that fits onto each driver.

	PSDIM180	PSMD35039	PSMD3501324	PSDAL350M Push to make	PSDIM350 Push to make	PLD UNI-DRIVE 350MA Push to make	PLDCC350/10-28 *Numbers are for 24V input have the maximum for 12V input	PLR/350 1-5	PLU/350 1-9	PSIP3509W	PSIP35018W	PLU/PP/350 1-9	PLU/PP/350 1-9	PSMD700610
Driver information														
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
Output classification	180mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
Dimmable	Mains	Mains	Mains	DALI or 1-10V	1-10V	1-10V	No	No	No	No	No	No	No	Mains
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
Residential lighting														
Fibre LED Light Page 122		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
DL120 Page 124		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
DL130 Page 125		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
MC010 S Page 130		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
MC020 S Page 131		2-4	7-12	1-9	1-9	1-5	1-3*	1-2	1-4	1-4	5-8	1-4	1-4	
MF02 IP Page 134		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
MS02 IP Page 135		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
WL050 Page 137		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
ML01 Page 139		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
ML02 Page 140		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
ML03 Page 141		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
LED LYTE SURFACE Page 142		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
LED LYTE IP Page 143		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
LED LYTE IP T Page 144		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
LED LYTE Page 145		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
Modules that require housing														
DM01 Page 126														2-3
DM02 Page 127	1													
Commercial lighting														
RDSL Page 332														
SQSL Page 333														
RDSM Page 334														1
SQSM Page 335														1
RDSS Page 336			1	1-2	1-2	1					1			
SQSS Page 337			1	1-2	1-2	1					1			

† Requires a **PDCINT1-10V** interface to make it 1 - 10V dimmable

[illegible]

Products per driver matrix

The table below shows the minimum and maximum of each product that fits onto each driver.

	PSDIM180	PSMD35039	PSMD3501324	PSDAL350M Push to make	PSDIM350 Push to make	PLD UNI-DRIVE 350MA Push to make	PLDCC350/10-28 *Numbers are for 24V input have the maximum for 12V input	PLR/350 1-5	PLU/350 1-9	PSIP3509W	PSIP35018W	PLU/PP/350 1-9	PLU/PP/350 1-9	PSMD700610
Driver information														
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
Output classification	180mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
Dimmable	Mains	Mains	Mains	DALI or 1-10V	1-10V	1-10V	No	No	No	No	No	No	No	Mains
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No
Landscaping lighting														
GL090 Page 189														2-3
GL040 Page 190		2-4	6-11	1-12	1-12	1-8	1-3*	1-3	1-4	1-4	5-8	1-4	1-4	3-5
GL040 Ultra low glare Page 191		2-4	6-11	1-12	1-12	1-8	1-3*	1-3	1-4	1-4	5-8	1-4	1-4	
GL041 Page 192		1-3	5-8	1-6	1-6	1-3	1-2*	1	1-3	1-2	3-5	1-3	1-3	2-3
GL019 Page 194		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL019 Ultra low glare Page 195		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
GL019LG Page 196		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
GL019 Frosted Page 197		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
GL019 SQ Page 199		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL019 S T Page 200		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL019 S TK Page 201		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL016 Page 202		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL016 F AB Page 203		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL016 SQ Page 204		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL016 Frosted Page 205		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
GL063 Page 206		1-3	5-8	1-6	1-6	1-3	1-2*	1	1-3	1-2	3-5	1-3	1-3	
GL064 Page 207		1-2	4-6	1-4	1-4	1-2	1*	1	1-2	1-2	3-4	1-2	1-2	
GL100 Page 208-211		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
GL050 Page 214		1-3	5-8	1-6	1-6	1-3	1-2*	1	1-3	1-2	3-5	1-3	1-3	
GL051 Page 215		1-3	5-8	1-6	1-6	1-3	1-2*	1	1-3	1-2	3-5	1-3	1-3	
GL018 C Page 216														
GL018 C AB Page 217														
GL018 SQ Page 218														
GL018 T Page 219														
GL021 Page 228		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
GL022 Page 229		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	
OCTOLED Page 243		1-2	4-6	1-4	1-4	1-2	1*	1	1-2	1-2	3-4	1-2	1-2	
UL030 Page 248		2-4	6-11	1-12	1-12	1-8	1-3*	1-3	1-4	1-4	5-8	1-4	1-4	3-5
UL010 Page 249														6-10
LEDLINE 400 110 Page 252														1
LEDLINE 400 25X6 Page 255														1
LEDLINE 400 45 Page 258														1

Products per driver matrix

The table below shows the minimum and maximum of each product that fits onto each driver.

	PSDIM180	PSMD35039	PSMD3501324	PSDAL350M Push to make	PSDIM350 Push to make	PLD UNI-DRIVE 350MA Push to make	PLDCC/350/10-28 *Numbers are for 24V input have the maximum for 12V input	PLR/350 1-5	PLU/350 1-9	PSIP3509W	PSIP35018W	PLU/PP/350 1-9	PLU/PP/350 1-9	PSMD700610
Driver information														
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
Output classification	180mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
Dimmable	Mains	Mains	Mains	DALI or 1-10V	1-10V	1-10V	No	No	No	No	No	No	No	Mains
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No

Landscape lighting (continued from previous page)														
SL030 Page 264		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
SL130 Page 265		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	6-10
SL040A Page 266														2-3
SL220 Page 267		2-4	6-11	1-12	1-12	1-8	1-3*	1-3	1-4	1-4	5-8	1-4	1-4	3-5
SL230 Page 269		1-2	3-5	1-6	1-6	1-4	1*	1	1-2	1-2	3-4	1-2	1-2	2-2
SL240 Page 271		1-2	3-5	1-6	1-6	1-4	1*	1	1-2	1-2	3-4	1-2	1-2	2-2
SL250 Page 274														
BOL01 Page 281		3-9	13-24	1-18	1-18	1-10	1-6*	1-5	1-9	1-8	9-17	1-9	1-9	

Strip lights														
LSC02 Page 164														
LSC04 Page 166														
LSC05 Page 165														
LSC06 Page 167														
LSC82 Page 168														
LSC84 Page 170														
LSC85 Page 169														
LSC86 Page 171														
LSV02 Page 160														
LSV05 Page 161														
LSV42 Page 162														
LSV45 Page 163														

To place an order use the driver partcodes below.

PSMD70024	PLDM70011	PSDAL700M Push to make	PSDIM700 Push to make	PLD UNI-DRIVE 700MA Push to make	PLDCC/700 12-24 *Numbers are for 24V input, halve the maximum for 12V input	PLU/700 3-9	PSIP70018W	PSIP70036W	PSDIM900 Push to make	PSDAL900M Push to make	PSMD3024	PS1524	PS3024B	PS5024	PS7524	PS10024	PSMDIP10024	PSDIP6024	PSDIP10024	PSDAL20024	PSIP15024	PSIP25024
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP66	IP66	IP66	IP66	IP67	IP67
Mains	Mains	DALI or 1-10V	1-10V	1-10V	No	No	No	No	1-10V	DALI	Mains	1-10V†	1-10V†	1-10V†	No	1-10V†	Mains	1-10V	1-10V	DALI	1-10V†	1-10V†
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

† Requires a **PDCINT1-10V** interface to make it 1 - 10V dimmable

2-4		1-18	1-18	1-10	1-6*	3-9	1-8	9-17														
2-4		1-18	1-18	1-10	1-6*	3-9	1-8	9-17														
1		1-6	1-6	1-3	1-2*	1-3	1-2	3-5														
1-2		1-11	1-11	1-7	1-3*	1-4	1-3	4-7														
1		1-5	1-5	1-3	1*	1-2	1	2-3														
1		1-5	1-5	1-3	1*	1-2	1	2-3														
											5-7	1-3	1-7	1-12	1-18	1-25	1-25	1-15	1-25	1-50	1-37	1-62

											4-6m	≤ 3m	≤ 6m	≤ 10m	≤ 15m	≤ 20m	≤ 20m	≤ 12m	≤ 20m	≤ 41m	≤ 31m	≤ 52m
											2m	≤ 1m	≤ 2m	≤ 3m	≤ 5m	≤ 6m	≤ 6m	≤ 4m	≤ 6m	≤ 13m	≤ 10m	≤ 17m
											2-3m	≤ 1m	≤ 3m	≤ 5m	≤ 7m	≤ 10m	≤ 10m	≤ 6m	≤ 10m	≤ 20m	≤ 15m	≤ 26m
											1m	-	≤ 1m	≤ 2m	≤ 3m	≤ 5m	≤ 5m	≤ 3m	≤ 5m	≤ 10m	≤ 7m	≤ 13m
											4-6m	≤ 3m	≤ 6m	≤ 10m	≤ 15m	≤ 20m	≤ 20m	≤ 12m	≤ 20m	≤ 41m	≤ 31m	≤ 52m
											2m	≤ 1m	≤ 2m	≤ 3m	≤ 5m	≤ 6m	≤ 6m	≤ 4m	≤ 6m	≤ 13m	≤ 10m	≤ 17m
											2-3m	≤ 1m	≤ 3m	≤ 5m	≤ 7m	≤ 10m	≤ 10m	≤ 6m	≤ 10m	≤ 20m	≤ 15m	≤ 26m
											1m	-	≤ 1m	≤ 2m	≤ 3m	≤ 5m	≤ 5m	≤ 3m	≤ 5m	≤ 10m	≤ 7m	≤ 13m
											4-6m	≤ 3m	≤ 6m	≤ 10m	≤ 15m	≤ 20m	≤ 20m	≤ 12m	≤ 20m	≤ 41m	≤ 31m	≤ 52m
											2-3m	≤ 1m	≤ 3m	≤ 5m	≤ 7m	≤ 10m	≤ 10m	≤ 6m	≤ 10m	≤ 20m	≤ 15m	≤ 26m
											4-6m	≤ 3m	≤ 6m	≤ 10m	≤ 15m	≤ 20m	≤ 20m	≤ 12m	≤ 20m	≤ 41m	≤ 31m	≤ 52m
											2-3m	≤ 1m	≤ 3m	≤ 5m	≤ 7m	≤ 10m	≤ 10m	≤ 6m	≤ 10m	≤ 20m	≤ 15m	≤ 26m

Products per driver matrix

Choosing the right power repeater and driver.

Colour change

For all constant current products you will need the PR3011 and for all constant voltage products you will need the **PR3002**.



Once you know how many products will be installed in your zone use the relevant tables to work out how many power repeaters you will need and which driver to power them.

Do this
for each
zone


LSR05 - Bespoke lengths available

Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 2m per PR3002	50W	PS5024
Up to 5m per PR3002	100W	PS10024
Up to 10m per PR3002	150W	PSIP15024

Power repeater comparison

	CONSTANT CURRENT / CONSTANT VOLTAGE	RATED WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE	AMBIENT TEMP: (TA = °C)	CASE TEMP: (TC = °C)	CONTROL
Power repeaters for colour change (driver required)									
 PR3011	Constant current	4 x 8.4W max.	1.6A max.	24V DC	4 x 350mA	4 x 24V max.	40°C	70°C	C100924 / DMX2102
 PR3002	Constant voltage	39W channel max.	6.5A max.	24V DC	4 x 1.6A	4 x 24V	40°C	70°C	C100924 / DMX2102



Dimming Interface


	TYPE OF INTERFACE	RATED WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE	POWER FACTOR	AMBIENT TEMP: (TA = °C)	CASE TEMP: (TC = °C)	CONTROL	DOUBLE INSULATION	EFFICIENCY	IP RATING	INRUSH CURRENT
Interface for dimming (used with driver)														
 PDCINT1-10V	1-10V for 24V drivers	288W	12A max.	24V DC	12A max.	24V DC		-25°C to 40°C	70°C	1-10V & DALI dimming		99%	IP20	

For full interface and power repeater specifications visit our website collingwoodlighting.com

The products will be powered by power repeaters that require a 24V driver. The table below shows which driver is needed for the number of power repeaters being used.

Products per PR3011			Products per PR3011			PR3011s per driver		
Product code		Max. per PR3011	Product code		Max. per PR3011	Number of PR3011s	Wattage driver required	Product (driver)
DL329RGBW	Page 410	6	LL090RGBW	Page 408	2	1	50W	PS5024
GL007RGBW	Page 412	2	UL010RGBW	Page 418	6	2 - 3	100W	PS10024
GL008RGBW	Page 411	1	UL030RGBW	Page 419	2	4 - 5	150W	PSIP15024
GL016RGBW	Page 415	6	UL345CARGB	Page 420	1			
GL040CARGB	Page 414	6	UL346CARGB	Page 421	1			
GL050RGBW	Page 416	6	UL347CARGB	Page 422	1			
GL090RGBW	Page 413	2	WL070RGBW	Page 417	1			
LL030CARGB	Page 409	6						







IP RATING	LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	DIMENSIONS	WEIGHT	CONNECTIONS	ACCESSORIES	WARRANTY
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm		Screw terminals < 2.5mm ² cable		5 year guarantee
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm		Screw terminals < 2.5mm ² cable		5 year guarantee

LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	SELV	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE	OUTPUT CABLE	ACCESSORIES	WARRANTY
				H: 28mm L: 138mm W: 40mm		Terminals	4mm ² max.	1.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER	1 year guarantee

Driver comparison.










For full driver specifications visit our website collingwoodlighting.com

	RATED WATTAGE (OUTPUT)	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT WATTAGE (MAX)	INPUT VOLTAGE	INPUT CURRENT (MAX)	INRUSH CURRENT	POWER FACTOR	AMBIENT TEMP. (TA = °C)	CONTROL	DOUBLE INSULATION	EFFICIENCY	IP RATING	PLUG & PLAY
 PSMD35039	10W	8-28V	350mA	13W	220-240V AC	0.06A	33A 0.15ms	>0.9	40 °C	Mains dimmable	Yes	75% min.	IP20	
 PSMD3501324	24W	34-68.5V	350mA	30W	220-240V AC	0.12A	20A 0.13ms	0.95	45 °C	Mains dimmable	Yes	80% min.	IP20	
 PSDAL350M	N/A (see page 430-435)	2-74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25 °C to 50 °C	Push, 1-10V & DALI dimmable	Yes	90%	IP20	
 PSDIM350	N/A (see page 430-435)	2 - 74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25 °C to 50 °C	Push & 1-10V dimmable	Yes	>80%	IP20	
 PLD UNI-DRIVE 350MA	N/A (see page 430-435)	2-46V	350mA	18W	110-240V AC	0.14A	5A 0.05ms	0.98	-25 °C to 50 °C	Push & 1-10V dimmable	Yes	80%	IP20	
 PLDCC/350/10-28	N/A (see page 430-435)	2-22V	350mA		10-28V DC				40 °C	Non-dimmable		60%	IP20	
 PLR/350 1-5	N/A (see page 430-435)	3-23V	350mA	14W	220-240V AC	0.07A	12.8A 0.6ms	0.6	40 °C	Non-dimmable	Yes	>70%	IP40	
 PLU/350 1-9	N/A (see page 430-435)	2.8-27V	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40 °C	Non-dimmable	Yes	80%	IP40	
 PSIP3509W	N/A (see page 430-435)	2.5-25v	350mA	11W	220-240V AC	0.05A	8A 0.1ms	>0.9	50 °C	Non-dimmable	Yes	82% with full load	IP65	
 PSIP35018W	N/A (see page 430-435)	25-50v	350mA	20W	220-240V AC	0.1A	13A 0.1ms	>0.9	50 °C	Non-dimmable	Yes	83% with full load	IP65	
 PLU/PP/350 1-9	N/A (see page 430-435)	2.8-27V	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40 °C	Non-dimmable	Yes	80%	IP40	Yes
 PLU/PP/350 1-9	N/A (see page 430-435)	2.8-27V	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40 °C	Non-dimmable	Yes	80%	IP40	Yes

LOOP-IN / LOOP-OUT	DIN RAIL MOUNT	PROTECTION	SELV	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE (M)	OUTPUT CABLE	ACCESSORIES	WARRANTY
		Short circuit, overload & over current	Yes	H: 19.2mm L: 123mm W: 44.6mm		Terminals	0.5-1.5mm ²	0.5-1.5mm ²		3 year guarantee
		Short circuit, overload & over current	Yes	H: 22mm L: 155mm W: 35mm		Terminals	0.5-1.5mm ²	0.5-1.5mm ²		3 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.	4m sync cable SYNC CABLE 4M	5 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm ² max.	0.5-2.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm		Terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee
			Yes	H: 12mm L: 40mm W: 18mm		Flying leads	0.2	0.2		1 year guarantee
		Short circuit, overload & overheating	Yes	H: 19mm Ø: 53mm		Flying leads	0.2	0.2		1 year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm		Loop-in loop-out terminals	1.5mm ² max.	1.5mm ² max.	PLU weatherproof housing IX 265	1 year guarantee
		Short circuit, overload & overheating	Yes	H: 24mm L: 160mm W: 38mm		Flying leads	0.2	0.2		5 year guarantee
		Short circuit, overload & overheating	Yes	H: 25mm L: 42mm W: 180mm		Flying leads	0.2	0.2		5 year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm		Loop-in loop-out terminals	1.5mm ² max.	1.5mm ² max.	1m Plug & Play extension lead LED LYTE 1M EXT 6-way Plug & Play extension lead LED LYTE 6 WAY EXT	1 year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm		Loop-in loop-out terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.	1m Plug & Play extension lead LED LYTE 1M EXT 6-way Plug & Play extension lead LED LYTE 6 WAY EXT	1 year guarantee

Driver comparison.













For full driver specifications visit our website collingwoodlighting.com

	RATED WATTAGE (OUTPUT)	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT WATTAGE (MAX)	INPUT VOLTAGE	INPUT CURRENT (MAX)	INRUSH CURRENT	POWER FACTOR	AMBIENT TEMP. (TA = °C)	CONTROL	DOUBLE INSULATION	EFFICIENCY	IP RATING	PLUG & PLAY
 PSMD700610	24W	17-37V	700mA	30W	220-240V AC	0.12A	28A 0.16ms	0.95	45 °C	Mains dimmable	Yes	80% min.	IP20	
 PSMD70024	10W	4-14V	700mA	13W	220-240V AC	0.06A	31A 0.12ms	0.9	40 °C	Mains dimmable	Yes	75% min.	IP20	
 PLDM70011	N/A (see page 430-435)	12V	700mA	12W	220-240V AC	0.05A	15A 0.5ms	>0.95	-25 °C to 40 °C	Mains dimmable	Yes	>80%	IP20	Yes
 PSDAL700M	N/A (see page 430-435)	2-72V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25 °C to 50 °C	Push, 1-10V & DALI dimmable	Yes	90%	IP20	
 PSDIM700	N/A (see page 430-435)	2-72V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25 °C to 50 °C	Push & 1-10V dimmable	Yes	80%	IP20	
 PLD UNI-DRIVE 700MA	N/A (see page 430-435)	2-46V	700mA	30W	110-240V AC	0.14A	5A 0.05ms	0.98	-25 °C to 50 °C	Push & 1-10V dimmable	Yes	80%	IP20	
 PLDCC/700 12-24	N/A (see page 430-435)	2-22V	700mA		10-28V DC				40 °C	Non-dimmable		70%	IP20	
 PLU/700 3-9	N/A (see page 430-435)	8-27V	700mA	32W	220-240V AC	0.10A	14.9A 0.6ms	0.85	40 °C	Non-dimmable	Yes	80%	IP40	
 PSIP70018W	N/A (see page 430-435)	2.5-25V	700mA	20W	220-240V AC	0.1A	12A 0.1ms	>0.9	50 °C	Non-dimmable	Yes	83% with full load	IP65	
 PSIP70036W	N/A (see page 430-435)	25-50V	700mA	40W	220-240V AC	0.12A	18A 0.1ms	>0.9	50 °C	Non-dimmable	Yes	85% with full load	IP65	
 PSDIM900	N/A (see page 430-435)	2-55V	900mA	56W	110-240V AC	0.18A	20A 0.4ms	>0.95	-25 °C to 50 °C	Push & 1-10V dimmable	Yes	>80%	IP20	
 PSDAL900M	N/A (see page 430-435)	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25 °C to 50 °C	Push, 1-10V & DALI dimmable	Yes	>80%	IP20	

LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	SELV	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE (M)	OUTPUT CABLE	ACCESSORIES	WARRANTY
		Short circuit, overload & over current	Yes	H: 22mm L: 155mm W: 35mm		Terminals	0.5-1.5mm ²	0.5-1.5mm ²		3 year guarantee
		Short circuit, overload & over current	Yes	H: 19.2mm L: 78mm W: 50mm		Terminals	0.5-1.5mm ²	0.5-1.5mm ²		3 year guarantee
		Open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm		Plug & Play	0.15m, 0.75mm ² 2-core cable	AWG24 with Plug & Play connector		
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm ² max.	0.5-2.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm ² max.	0.5-2.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm		Terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee
			Yes	H: 18mm L: 50mm W: 32mm		Terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.		1 year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 138mm W: 40mm		Loop-in loop-out terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.		1 year guarantee
		Short circuit, overload & overheating	Yes	H: 24mm L: 160mm W: 38mm		Flying leads	0.2	0.2		5 year guarantee
		Short circuit, overload & overheating	Yes	H: 25mm L: 180mm W: 42mm		Flying leads	0.2	0.2		5 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm ² max.	0.5-2.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm ² max.	0.5-2.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5 year guarantee

Driver comparison.

For full driver specifications visit our website collingwoodlighting.com

	RATED WATTAGE (OUTPUT)	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT WATTAGE (MAX.)	INPUT VOLTAGE	INPUT CURRENT (MAX.)	INRUSH CURRENT	POWER FACTOR	AMBIENT TEMP. (TA = °C)	CONTROL	DOUBLE INSULATION	EFFICIENCY	IP RATING	PLUG & PLAY
 PSMD3024	30W	24V DC	1.25A max.	36W	180-240V AC	0.17A	3A 78ms	>0.9	-20°C to 50°C	Mains Dimmable	Yes	83% with max load	IP20	
 PS1524	15W	24V DC	0.625A max.	18W	220-240V AC	0.08A	28A 0.02ms	>0.5	45°C	Dimmable with PDCINT 1-10V	Yes	>84%	IP20	
 PS3024B	30W	24V DC	1.25A max.	36W	220-240V AC	0.24A	20A 0.78ms	>0.9	-20°C to 45°C	Dimmable with PDCINT 1-10V	Yes	>80%	IP20	
 PS5024	50W	24V DC	2A max.	59W	220-240V AC	0.27A	70A 0.4ms	>0.9	-25°C to 45°C	Dimmable with PDCINT 1-10V	Yes	>85%	IP20	
 PS10024	100W	24V DC	4A max.	120W	220-240V AC	0.54A	75A 0.7ms	>0.9	-25°C to 45°C	Dimmable with PDCINT 1-10V	Yes	90%	IP20	
 PS7524	75W	24V DC	3.13A max.	90W	200-240V AC	0.4A max.	75A 0.11ms	>0.9	-20°C to 45°C	Dimmable with PDCINT 1-10V	Yes	85%	IP20	
 PSMDIP10024	100W	24V DC	4.17A	120W	180-264V AC	0.8A max.	30A 0.2ms	0.6	40°C	Mains dimmable		85% with max load	IP66	
 PSDIP6024	60W	24V DC	2.5A max.	71W	220-240V AC	0.35A	10A 0.4ms	>0.9	-25°C to 45°C	0-10V dimmable		>85%	IP66	
 PSDIP10024	100W	24V DC	4.15A max.	120W	220-240V AC	0.546A	45A 0.7ms	>0.98	-40°C to 60°C	0-10V dimmable		>80%	IP66	
 PSDAL20024	200W	24V DC	8.33A max.	240W	220-240V AC	1A	50A 0.8ms	>0.98	-25°C to 60°C	DALI dimmable		>85%	IP66	
 PSIP15024	150W	24V DC	6.3A max.	178W	220-240V AC	0.80A	45A 1ms	>0.95	-40°C to 60°C	Dimmable with PDCINT 1-10V		>85%	IP67	
 PSIP25024	250W	24V DC	10.4A max.	285W	220-240V AC	1.6A max.	30A 0.2ms	0.96	50°C	Dimmable with PDCINT 1-10V		84%	IP67	

LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	SELV	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE (M)	OUTPUT CABLE	ACCESSORIES	WARRANTY
		Short circuit, overload & overcurrent	Yes	H: 35mm L: 180mm W: 60mm	 450g	Terminals	0.5-1.5mm ²	0.5-1.5mm ²		3 year guarantee
		Short circuit, overload & overheating	Yes	H: 16mm L: 103mm W: 35.5mm	 60g	Terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V RGBW/RGB controller C100924	3 year guarantee
		Short circuit, overload & overheating	Yes	H: 30mm L: 143mm W: 45mm	 160g	Terminals	0.5-1.5mm ²	0.5-1.5mm ²	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3 year guarantee
		Short circuit, overload & overheating	Yes	H: 18mm L: 160mm W: 58mm	 270g	Terminals	0.5-1.5mm ²	0.5-1.5mm ²	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V RGBW/RGB controller C100924	3 year guarantee
		Short circuit, overload & overheating	Yes	H: 31mm L: 180mm W: 65.5mm	 250g	Terminals	0.5-2.5mm ²	0.5-2.5mm ²	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3 year guarantee
		Short circuit, overload, overheating & over voltage	Yes	H: 28.2mm L: 170mm W: 44.5mm	 221g	Terminals	0.5-1.5mm ² max.	0.5-1.5mm ² max.		3 year guarantee
		Short circuit, overload & over current	Yes	H: 43mm L: 230mm W: 70mm	 1.3kg	Flying leads	0.25m, 1mm ² 3-core cable Ø: 7.5mm	0.25m, 1mm ² 2-core cable Ø: 7mm		3 year guarantee
		Short circuit, overload & overheating	Yes	H: 46mm L: 200mm W: 70mm	 1.1kg	Flying leads	Mains: 0.25m, 1mm ² 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm ² 2-core cable Ø: 6.5mm	0.25m, 1mm ² 2-core cable Ø: 7mm	Grid dimmer kit PDC/GRID DIMMER	3 year guarantee
		Short circuit, overload & overheating	Yes	H: 44mm L: 230mm W: 68mm	 1.2kg	Flying leads	Mains: 0.25m, 1mm ² 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm ² 2-core cable Ø: 6.5mm	0.25m, 1.5mm ² 2-core cable Ø: 7mm	Grid dimmer kit PDC/GRID DIMMER	3 year guarantee
		Short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	 1.8kg	Flying leads	Mains: 0.25m, 1mm ² 3-core cable Ø: 7.5mm DALI: 0.25m, 0.75mm ² 2-core cable Ø: 7mm	0.25m, 1.5mm ² 2-core cable Ø: 9mm		3 year guarantee
		Short circuit, overload & overheating	Yes	H: 37mm L: 190mm W: 62mm	 1kg	Flying leads	0.25m, 1mm ² 3-core cable Ø: 7.5mm	0.25m, 1mm ² 2-core cable Ø: 8mm	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3 year guarantee
		Short circuit, overload & over current	Yes	H: 36mm L: 220mm W: 62mm	 875g	Flying leads	0.25m, 1mm ² 3-core cable Ø: 7.5mm	0.25m, 2mm ² 2-core cable Ø: 9mm	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3 year guarantee

Accessories.

We have an extensive range of lighting accessories to suit any requirements, and an expert team on hand to help assist in choosing the correct product for your installation. From junction boxes to grid dimmer kits, we ensure that we can equip you with the accessories needed to get the job done.

The range of IP connectors available allow any Collingwood IP rated product to be wired safely, ensuring a water-resistant circuit between the product and its power

supply. Our waterproof junction boxes have an IP rating of 68, meaning they are submersible in up to 1.3m of water. The IP rated connectors are gel filled and have the capacity to be opened and closed, enabling repeat use. Available for series, parallel and straight to mains wiring, and suitable for 2 or 3 core cables, our IP rated connectors ensure that all of our IP rated LED lights can be wired to the same high standard. If you want to know more about any of our accessory products, one of our technical experts will be more than happy to assist.



Accessories.

For accessories specific to product ranges visit the relevant sections.

JB1 (Parallel)

Waterproof junction box



Key features	
Max. voltage	30V DC
Max. current	5A
Max. conductor size	1mm ²
Cable diameter	5 - 6.5mm ²
IP rating	IP68 (2m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

Use in conjunction with	
GL018	

JB3

Waterproof junction box



Key features	
Max. voltage	400V AC
Max. current	30A
Max. conductor size	4mm ²
Cable diameter	3 - 12mm ²
IP rating	IP66
Wiring	Parallel
Inputs	1
Outputs	1 - 7

Use in conjunction with	
GL007RGBW	GL016RGBW
GL040CARGB	GL050RGBW
GL090RGBW	UL010RGBW
UL030RGBW	UL345CARGB
UL346CARGB	UL347CARGB
SL021CARGB	SL220CARGB
WL021CARGB	WL220CARGB

IX 265

PLU weatherproof housing



Key features	
IP rating	IP65
Wiring	Series
Inputs	1
Outputs	1

Dimensions	L: 173mm
	W: 140mm
	D: 82mm

Use in conjunction with	
PLU350/1-9	

UY2 Connector

Quick waterproof connector



Key features	
IP rating	IP65
Wiring	Series
Waterproof type	Gel
Material	Plastic

Use in conjunction with		
MF02 IP	ML01	ML02
ML03	ML010 S	ML020 S
MS02 IP	OCTOLED	

JB2 (Series)

Waterproof junction box



Key features	
Max. voltage	48V DC
Max. current	700mA
Max. conductor size	1mm ²
Cable diameter	5 - 6.5mm ²
IP rating	IP68 (2m)
Wiring	Series
Inputs	1
Outputs	1 - 3

Use in conjunction with		
BL01	GL016	GL019
GL021	GL022	GL040
GL041	GL050	GL051
GL063	GL064	GL090
UL010	UL030	SL030
SL130	SL040A	SL220
GL100		

WC 5-9

Quick release waterproof connector



Key features	
Max. voltage	250 AC / 50 DC
Max. current	10A
Max. conductor size	4mm ²
Cable diameter	5 - 9mm ²
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

Use in conjunction with	
BL03	GL07
GL007 Frosted	GL08
GL09	GL034A
GL038A	SL220
WL339	WL340
WL341	WL342
GL200	

IX 365

PDC weatherproof housing



Key features	
IP rating	IP65
Wiring	Series / parallel
Inputs	10
Material	Plastic

Dimensions	L: 410mm
	W: 190mm
	D: 110mm

Use in conjunction with	
PS1524	PS3024
PS5024	PS10024
PSDAL20024	PSDIP6024
PSDIP10024	PSIP15024

PDC/Grid Dimmer

Grid dimmer kit for multiple fitting types
Requires 2-core screen cable



Constant voltage	
Dimming	1 - 10V
Min. load	1 driver
Max. load	1-7 drivers

Constant current	
Dimming	1 - 10V
Min. load	1 driver
Max. load	1-7 drivers

Use in conjunction with	
PS5024*	PS10024*
PS7524	PSIP25024
PS1524	PSDIP10024
PS3024B*	

*Must be used with PDCINT 1-10V

Use in conjunction with	
PSDAL350M	PSDAL700M
PSDIN350M	PSDIN700M
PSDIM350	PSDIM700
PSDIM900	PSDAL900M
PLD UNI-DRIVE 350MA	
PLD UNI-DRIVE 700MA	



Got a query? Contact our team on
+44 (0) 1604 495 151

JB4 (Series)

Gel filled waterproof junction box



Key features	
Max. voltage	120V DC
Max. current	700mA
Max. conductor size	1.5mm ²
Cable diameter	6.5 - 12mm ²
IP rating	IP68 (1.3m)
Wiring	Series
Inputs	1
Outputs	1 - 3

Use in conjunction with		
BL01	GL016	GL019
GL021	GL022	GL040
GL041	GL050	GL051
GL063	GL064	GL090
UL010	UL030	SL030
SL130	SL040A	SL220
GL100		

JB6

Inline IP68 gel filled cable connector



Key features	
Max. voltage	250V AC
Max. current	6A
Max. conductor size	0.75mm ²
Cable diameter	4.8 - 6mm ²
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

Use in conjunction with	
WCR 275 BLACK - Ideal for extending cable when it's not long enough	

DMX RS 485 Cable

3-core shielded cable



Key features	
Cable	DMX RS 485 Cable
Material	Copper cable
Length	100m reel or by the metre
Indoor / outdoor	Indoor only

Use in conjunction with	
DMX2102	

CR135

PTFE cable



Key features	
Cable	Red or black 0.2052 PTFE
Material	PTFE
Length	100m reel

Use in conjunction with	
MC010	MC020
MF02 IP	ML01
ML02	ML03
MS02 IP	OCTOLED
UY2 CONNECTOR	

JB5 (Parallel)

Gel filled waterproof junction box



Key features	
Max. voltage	250V AC
Max. current	16A
Max. conductor size	1.5mm ²
Cable diameter	6.5 - 12mm ²
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

Use in conjunction with	
BL03	GL07
GL007 Frosted	GL08
GL009A	GL018
GL034A	GL038A
SL220 Mains	WL339
WL340	WL341
WL342	GL200

JB7

5 pole screw terminal IP68 connector



Key features	
Max. voltage	24V (RGBW only)
Max. current	1.4A (RGBW only)
Max. conductor size	4mm ²
Cable diameter	7 - 10.5mm ²
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1

Use in conjunction with	
GL007RGBW	GL016RGBW
GL040CARGB	GL050RGBW
GL090RGBW	UL010RGBW
UL030RGBW	UL345CARGB
UL346CARGB	UL347CARGB
SL021CARGB	SL220CARGB
WL021CARGB	WL220CARGB

WCR 375 Black

3-core rubber cable



Key features	
Cable	H05RN-F 3 x 0.75mm ²
Material	Copper cable, rubber outer
Length	100m reel
Indoor / outdoor	Suitable for permanent outdoor use

Use in conjunction with	
JB1	JB5
WC 5-9	

WCR 275 Black

2-core rubber cable



Key features	
Cable	H05RN-F 2 x 0.75mm ²
Material	Copper cable, rubber outer
Length	100m reel
Indoor / outdoor	Suitable for permanent outdoor use

Use in conjunction with	
JB1	JB2
JB4	JB6

Information.

Lighting terms.

AC (alternating current)

An electrical current which changes direction periodically.

Accent lighting

Aesthetic lighting that provides emphasis, depth and decoration to draw attention to particular objects.

Ambient temperature

Ambient temperature relates to the average air temperature in the environment surrounding the luminaire / LED driver.

Bathroom zone

Suitability for a product to be installed near or in water.

CCT

Correlated Colour Temperature.

Colour switchable

Colour temperature can be switched between 3000K to 4000K or 6000K / 6500K.

CRI

Colour Rendering Index.

DALI

Digital Addressable Lighting Interface. A method of digital dimming, allowing precise control of individual light fittings by an external control system.

DC (direct current)

An electrical current flowing in one direction only.

Dim to warm

The CCT becomes warmer as the product is dimmed.

Downlight

A luminaire designed to be installed in a ceiling, with the light source pointed vertically downwards.

Flicker

A visible constant fluctuation of light output from on to off.

IK rating

Indicates the protection against mechanical impact. Rated from IK00 to IK10.

Insulation coverable

Insulation can be laid directly on top of the product this can refer to rolled or blown wool insulation.

IP rating

Ingress Protection Rating.

Kelvin (K)

Kelvin is the scientific unit for measuring CCT (Correlated Colour Temperature).

L70, B10 / L70, B50

Lifetime indication of LEDs.

Leading edge dimmers

The electrical current (sinusoidal signal) is turned off at the front of the AC input waveform immediately after the zero crossing.

LED (light emitting diode)

Emits light through the conversion of electrical energy.

Lumens (lm)

The quantity of light emitted from a light source that is visible. The higher the lumens, the brighter the light.

Luminaire

Is a light fitting that contains a light source, mechanical fixings and a power supply.

Luminous efficacy

Is a measure of energy efficiency and is calculated by dividing the lumens by the wattage (lm/W).

Luminous flux

Total number of 'lumens' emitted from a light source.

Lux (lx)

Quantity of light that illuminates a surface, e.g. in a corridor 100 lux are required on the floor.

mA

A milliamp is one thousandth of an amp (0.001A). Collingwood products are typically designed to take 350mA, 700mA, 900mA.

Microwave sensor

A presence sensor to reduce the amount of time lighting is left on unnecessarily.

PIR

Passive Infrared Device, used to activate lighting when a person enters a room or area.

Power supply / driver

Power source for the LED luminaire.

REACH

Registration, Evaluation, Authorisation & Restriction of Chemicals. All Collingwood products are REACH compliant.

RGB

Red, Green, Blue. Used to describe colour changing products that can be used to dynamically add colour to any environment.

RGBW

Stands for Red, Green, Blue, White. Used to describe colour changing products that can be used to dynamically add colour to any environment. Can also be run on white when natural lighting is required.

RoHS

Restriction of Hazardous Substances, an EU requirement that restricts the use of harmful materials within products. All Collingwood products are RoHS compliant.

SELV

Separated Extra Low Voltage. A low voltage power supply that will not exceed 50V AC or 120V DC.

Task lighting

Describing the installation or retrofit of LED downlights or other lighting specifically to provide functional illumination of an environment.

Thermal management

LEDs are susceptible to heat. Thermal management refers to components that are designed to remove heat efficiently to ensure high light output and long lifetime from the LEDs.

Trailing edge dimmers

The electrical current (sinusoidal signal) is turned off at the end of the AC input waveform immediately before the zero crossing.

UGR

UGR stands for Unified Glare Rating. The lower the value, the more comfortable the environment.

Watt (W)

The unit of electrical power stating the amount of electricity consumed by the product.

WEEE

Waste Electrical and Electronic Equipment, Collingwood is part of a WEEE scheme. Our WEEE Registration: WEE/JC3973RV

Wiring / electrical terms.

A extension leads

Ready-made leads for easy extension of cables, usually with male / female plugs for Plug & Play extensions.

Flying leads

Electrical leads already attached to the product.

H05RN-F

Electrical cable suitable for outdoor use.

Pattress box

Back box for electrical front plates.

Plug & play

Cables on product have 1 x male and 1 x female plugs attached for quick connection.

PTFE

A non-stick, chemically resistant insulating material.

Shielded cable

Inner wires are wrapped in a shielding material to protect from electrical interference.

Straight to mains

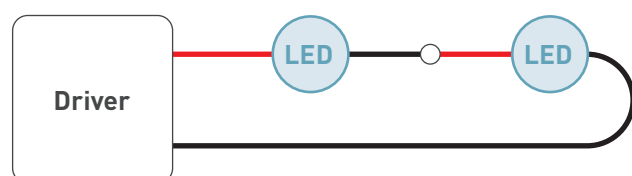
Product for which no other wiring is required other than connection to the mains supply.

Series / parallel wiring.

LED lighting products can be wired in either Series or Parallel and both have their advantages.

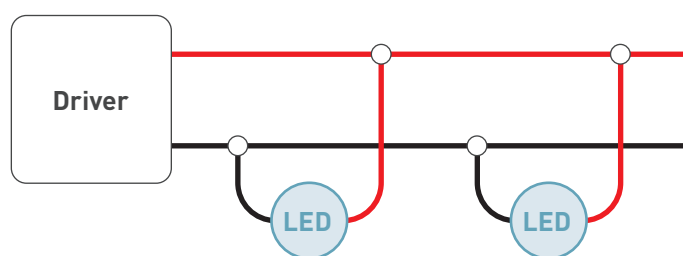
Series.

Series wired products that require a separate constant current driver.



Parallel.

Parallel wired products that require a separate constant voltage driver.



Building regulations.

Specifically related to the UK, the following building regulations should be complied with, where appropriate.

Part B - Fire protection

When a hole is cut into a fire barrier (e.g. a fire rated ceiling), an appropriately fire-resistant luminaire must be used to block the hole from any pathway in the event of a fire in the room. All Collingwood downlights are fire rated and designed around our patented fire-resistant technology.

Part C - Moisture protection

When a hole is cut in an insulation barrier (e.g. a ceiling tile or plaster ceiling), air and moisture can travel into the ceiling void. Part C rated downlights can assist in energy saving by preventing heat loss from a room. The H4 Pro range are the only Part C rated adjustable downlights available in the market.

Part E - Acoustic protection

In multi-floor buildings, such as hotels and apartment blocks, sound can permeate throughout the building causing annoyance to neighbours and colleagues. With a Part E rated downlight, testing is carried out to ensure it is resistant to sound being transferred through partitions.

Part P - Electrical safety

Covers all aspects of proper installation of electrical components. All Collingwood products have been designed to easily allow installation to Part P, but we recommend that they should be installed by a qualified electrician or a suitably competent person.

Part L - Conservation of energy

LEDs are an energy efficient technology, however not all LED products are created equal. Part L ensures that only the most efficient products are installed, so that as little energy as possible is used, and therefore energy bills are lowered. Since early 2014, the energy efficiency requirement in Part L is greater than 60lm/W. There is also an onus on using control systems to ensure that energy is not further wasted by lighting being left on when it is not needed.

SDCM (standard deviation colour matching).

SDCM refers to the colour consistency between light sources. SDCM is a different naming convention for MacAdam Ellipses, both terms are internationally accepted. A SDCM is a scientific term given to light sources that the human eye should not be able to distinguish a difference between in an installation.

Collingwood Lighting commits to ensuring that its illumination products have a colour consistency.

CCT (correlated colour temperature).

Choosing a colour temperature:

LEDs make it possible to have a choice of white colours or 'tones'. This allows easy customisation of an area to bring out the best in the materials and design of a room.

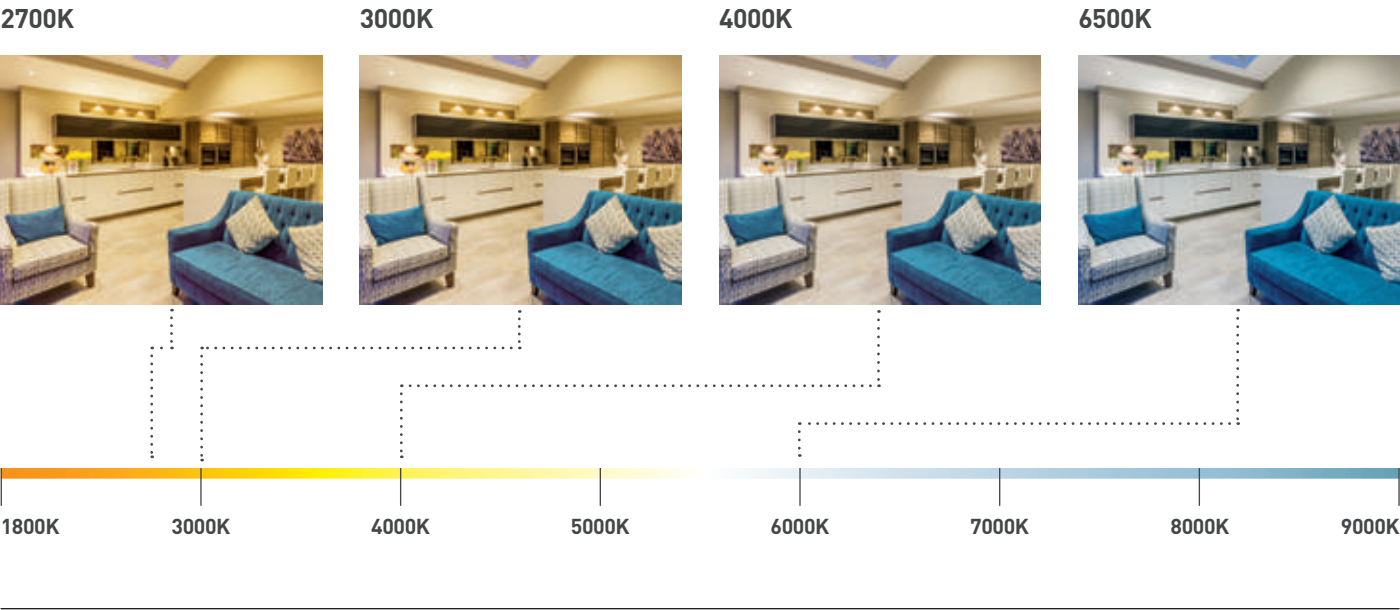
With standard white LED lighting, these tones range from warm-yellow to cool-blue white light, with several options in between. The graphic below is a reference that starts at a warm yellow colour on the left and fades into a cool blue colour on the right.

Collingwood Lighting uses the industry standard Correlated Colour Temperature (CCT) rating to describe the tones of white light available.

The standard unit of CCT is the kelvin (K), so CCT is described as a 'temperature'. CCT options range from 6500K for cool white, 4000K for natural white, 3000K for warm white and 2700K for an even warmer white.

You will find colour consistency across our entire range of products ensuring seamless installations.

It can be a tricky to decide what is best for your installation, but our skilled technical sales and lighting design teams are on hand to guide you through choosing the perfect white tone for your room.



Beam angles.

- 25°

A narrow beam angle ideal for illuminating specific areas of interest with pin points of light.
- 38°

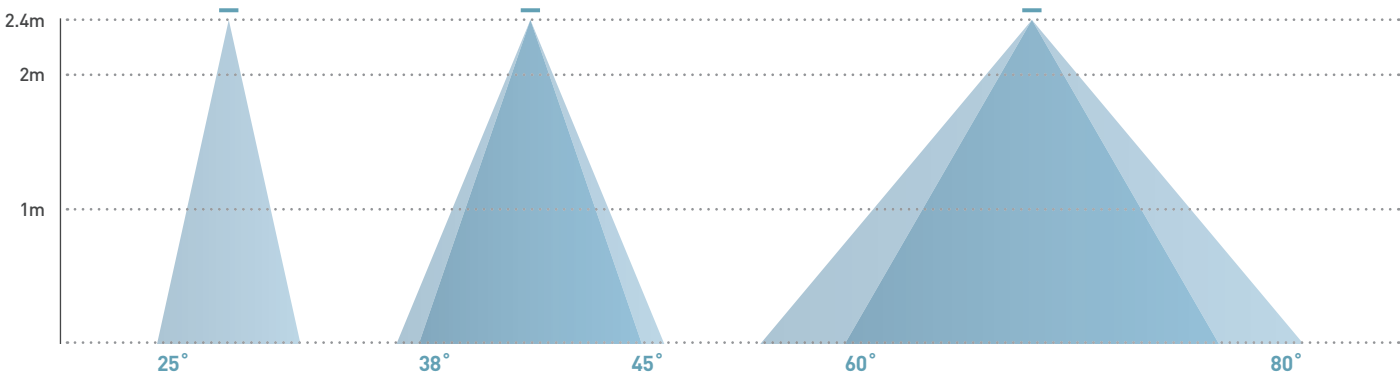
The most commonly used beam angle since the introduction of the halogen lamp in the '70s. Ideal for illuminating large areas and space between fittings is normally 1m-1.2m to create an even spread of light at floor level. Commonly used throughout residential and commercial environments.
- 45°

Can be used instead of a 38° beam angle when the ceiling is higher than standard or when looking to achieve a greater spread of light at floor and wall level. Commonly used in the hospitality market.

- 60°

This wider beam angle allows for greater spacing between fittings, up to 1.8m apart, or greater illumination at 1.2m spacings, meaning fewer luminaires are required. Also produces a more even spread of light at floor and wall level. Commonly used throughout residential and commercial environments.
- 80°

Ideal for high ceilings and illuminating large areas of space and is more commonly used in the commercial sector.



CRI (colour rendering index).

A value given to the quality of a light source with regards to how accurately it can replicate colours compared to natural daylight. CRI is given as a value out of 100, and is stated as the Rendering Index (Ra).

LEDs are generally available with a CRI of between 50Ra and 95Ra, with those in the lower end used for outdoor lighting, and those in the higher end used for professional photography.

It is generally accepted that a CRI of >80Ra being very good, and more useful for general indoor lighting and >90Ra being used in specialised locations, e.g. retail or very high-end hospitality.



Low CRI



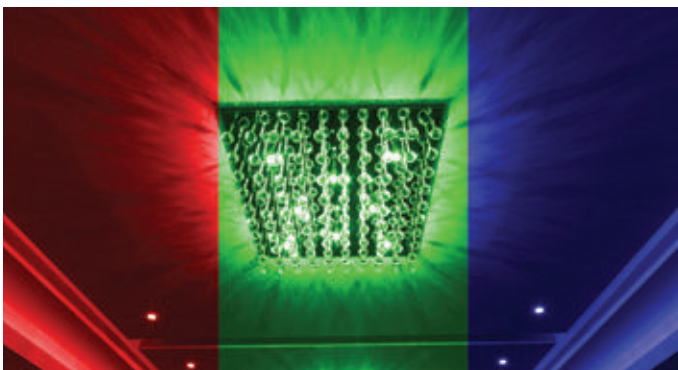
High CRI

RGB vs RGBW.

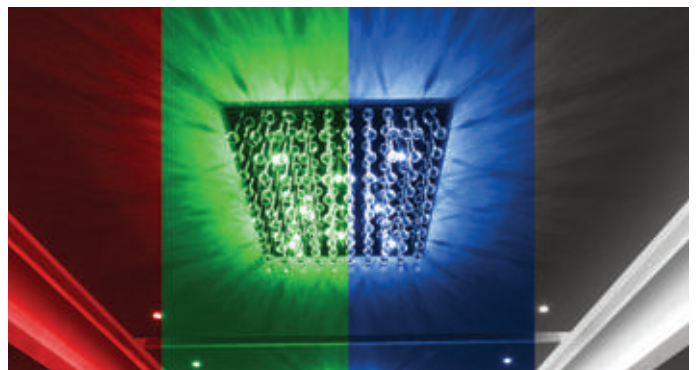
Use RGB products to select vivid red, green or blue schemes or mix the three together for even more colour options.

The addition of a white LED in RGBW products provides the option to create pastel shades and white in addition to the vivid red, green and blue colours.

RGBW can also be run on white, giving you the option of more natural lighting when it is required. Choose from 2700K, 3000K and 4000K.



RGB



RGBW

DIALux **RELUX®**

Collingwood Lighting is pleased to announce that we have partnered with DIALux and RELUX 3D lighting design software which provides fast and accurate calculations and detailed, realistic visualisations of designs.

Our entire e-catalogue is available in our plug-in, giving you the freedom to select any product and add it to your virtual design. This will create an accurate representation of your lighting scheme. Giving you the ability to get creative with your design and accomplish the perfect lighting scheme - with no regrets after installation.

LED lifetime / light output.

LEDs do not use heat to generate light in the same way as commonly used lights, where 80% of the power used is dissipated as heat. This is why LEDs are referred to as cool to touch and are safer to use, especially in ground light products. However an LED does have an operating temperature within its structure. This heat, if not removed will reduce the light output and product lifetime. This is why LED products have heatsinks or use the body of the product to dissipate the heat as quickly and efficiently as possible.

Many Collingwood LED products have visible heatsinks: these are typically made from anodised aluminium and feature many thin fins. It is essential to have an air gap around the heatsink, as this ensures that heat is quickly removed, which keeps the LED at optimum temperature.

LEDs do naturally lose their ability to produce light over many thousands of hours so Collingwood Lighting publishes the expected lifetime of products within the catalogue. This helps customers to easily determine how long the product will last, and to calculate how much energy will be saved

compared to conventional incandescent lamps over the life of the product. Use the cost savings calculator on our website to see our estimate of how much our lights can save you compared to non-LEDs. Lifetime is stated as the number of hours of operation until the light level emitted from the LEDs will have dropped to a specified percentage of the original published values.

For the majority of Collingwood Lighting products, lifetime is stated as 'L70, B10 X hours'. Where, 'L70' means 70% of original light output remains. 'B10' means that 10% of products will have reached this level (i.e. 90% of products will have a light output greater than 70% of published) after 'X' number of hours of operation.

As an example, the majority of Collingwood Lighting products state lifetime as L70, B10 for 70,000 hours. However, as LEDs do naturally lose their ability to emit light, even when they have reached this point, they will continue to operate for many hundreds of hours after this level has been reached, but at an ever-reducing level.

IK rating.

Degrees of protection against external mechanical impacts.

Number	Protection
IK00	Not protected.
IK01	Protected against 0.14 joules impact.
IK02	Protected against 0.2 joules impact.
IK03	Protected against 0.35 joules impact.
IK04	Protected against 0.5 joules impact.
IK05	Protected against 0.7 joules impact.


Number	Protection
IK06	Protected against 1 joules impact.
IK07	Protected against 2 joules impact.
IK08	Protected against 5 joules impact.
IK09	Protected against 10 joules impact.
IK10	Protected against 20 joules impact.

IP rating.











The IP rating normally has two numbers:

1. Level of protection from solid objects or materials.
2. Level of protection from liquids (water).

Solid protection.

Number	Example	Protection
0		No special protection.
1		Protection from a large part of the body such as a hand (but no protection from deliberate access); from solid objects greater than 50mm in diameter.
2		Protection against fingers or other objects not greater than 80mm in length and 12mm in diameter.
3		Protection from entry by tools, wires etc, with a diameter of 2.5mm or more.
4		Protection against solid bodies larger than 1mm.
5		Protection against dust that may harm equipment.
6		Totally dust-tight.

Liquid protection.

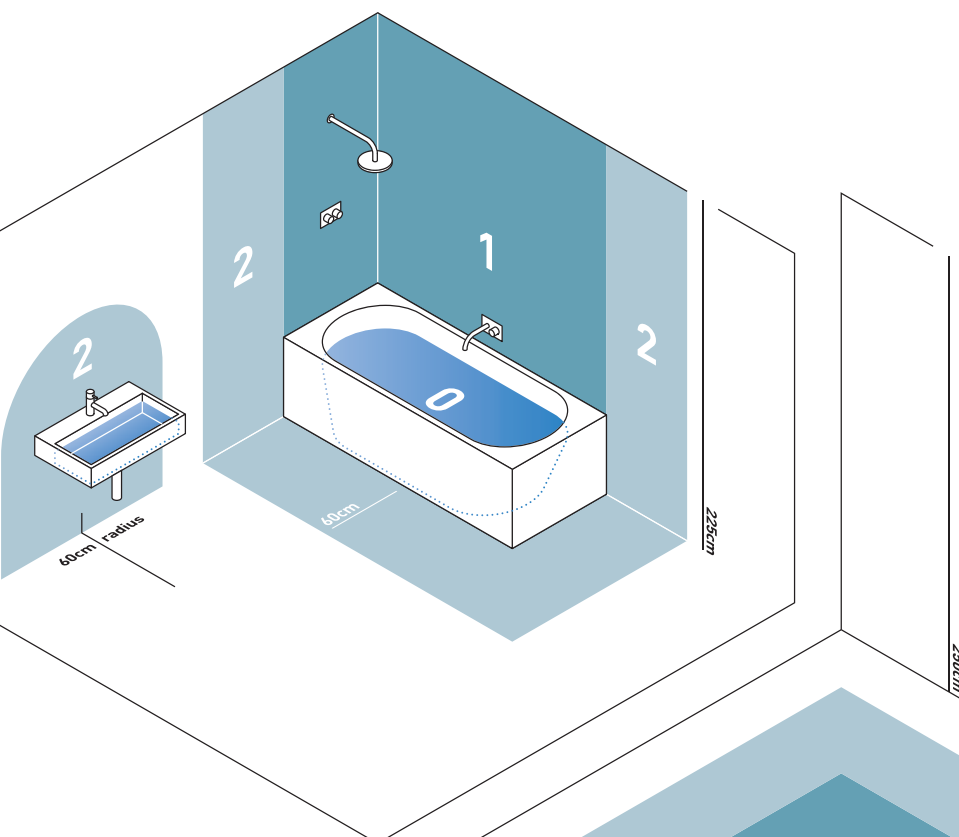
Number	Example	Protection
0		No special protection.
1		Protection against condensation.
2		Protection against water droplets deflected up to 15° from vertical.
3		Protection against spray up to 60° from vertical.
4		Protection against water spray from all directions.
5		Protection against low pressure water jets (all directions).
6		Protection against high pressure water jets and waves.
7		Protection against temporary immersion.
8		Protection against prolonged effects of submersion under pressure. Submersion depth to be specified.*
9		Protection against high pressure, high temperature close range jet (8-10 MPa – 80°C) and high temperature water and steam.

IP65

Ingress protection.

*e.g. IP 68 @ 1bar = dust-tight and permanent protection to 1 bar pressure (9m water depth).

Bathroom / pool zones.



What IP rating do I need?

Zone 0 ≥IPX7

Only 12V AC rms or 30V ripple-free DC SELV, transformers must be sited outside Zones 0,1,2.

Zone 1 ≥IPX4

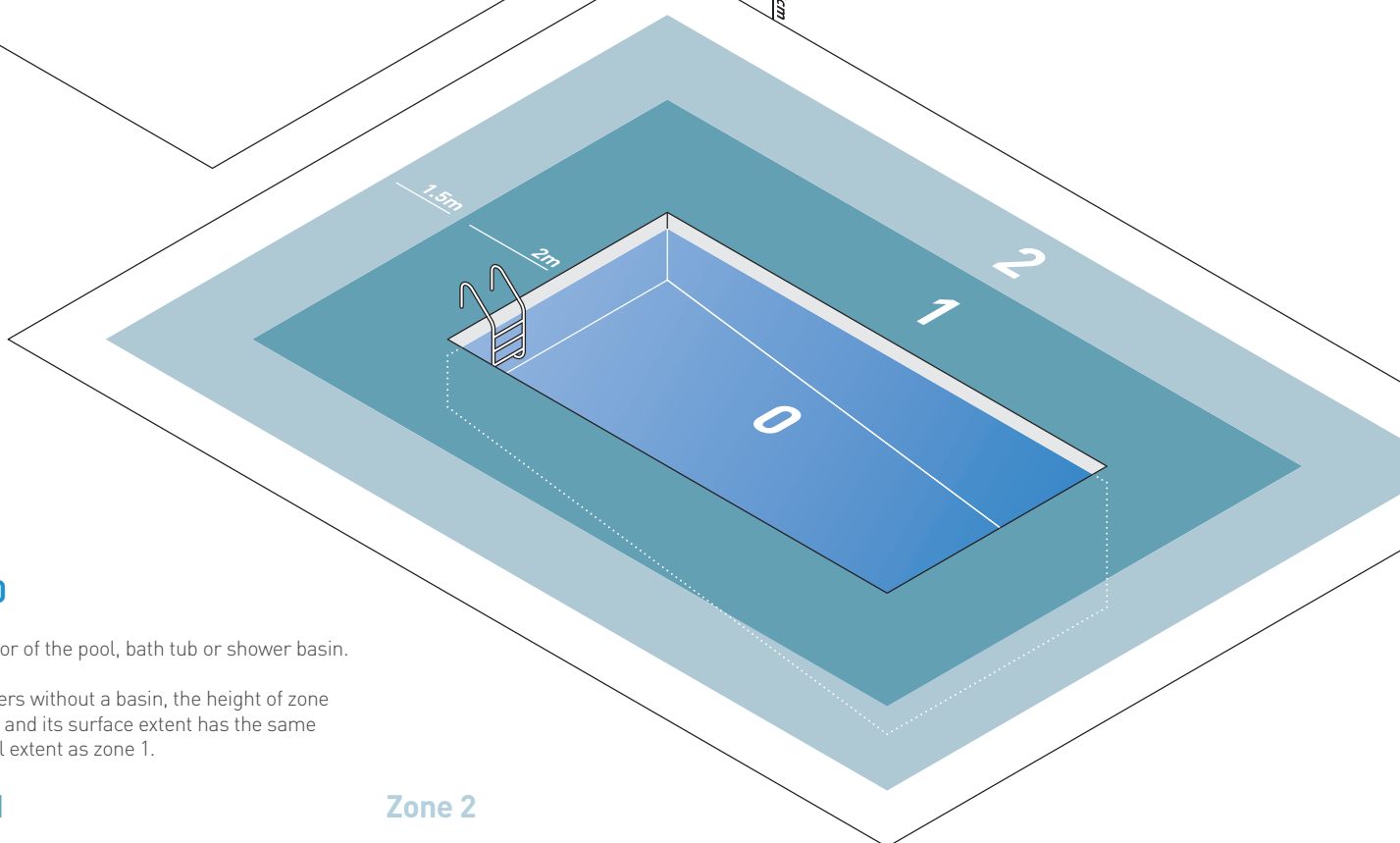
Only 25V AC or 60V DC ripple-free SELV. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

Zone 2 ≥IPX4

Protected by 30mA RCD. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

Outside zones 0, 1 & 2

No specific IP rating. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.



Zone 0

The interior of the pool, bath tub or shower basin.

For showers without a basin, the height of zone 0 is 10cm and its surface extent has the same horizontal extent as zone 1.

Zone 1






























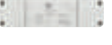









The three-dimensional space limited by the finished floor level and the horizontal plane corresponding to the highest fixed shower head or water outlet or the horizontal plane lying 2.25m above the finished floor level, whichever is higher and the vertical plane circumscribing the bath tub or shower.

For showers without a basin, the limiting vertical plane of zone 1 is at a distance of 1.2m from the centre point of the fixed water outlet on the wall or ceiling.

Zone 2

The three-dimensional space limited by the finished floor level and the horizontal plane corresponding to the highest fixed shower head or water outlet or the horizontal plane lying 2.25m above the finished floor level, whichever is higher than the vertical surface at the boundary of zone 1 and the parallel vertical surface at a distance of 60cm from the zone 1 border.


For showers without a basin, there is no zone 2 but an increased zone 1 is provided by the horizontal dimension of 1.2m.







































SMART LIGHTING								
Smart B22 Dimmable		CWSBCD 56	Smart Plug		CWSPUK 55	H2 Pro 550		DLE4723830 DLE4723830EM DLE4723830DEM DLE4723840 DLE4723840EM DLE4723840D DLE4723840DEM DLE4727030 DLE4727030EM DLE4727030D DLE4727030DEM DLE4727040 DLE4727040EM DLE4727040D DLE4727040DEM (bezels available separately) 74
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Smart Bridge Dimmable		CWSBRI 55	H2 Lite 500		DLT469MW6030 DLT469MW6040 66	H4 Lite		DL490BS5530 DL490BS5540 70
Smart Bridge Non Dimmable		CWSNBRI 55	H2 Lite 500 CSW		DLT470BS6500 67	H4 Lite		DL490CR5530 DL490CR5540 70
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H2 bezel		SQB360PG (sold in multiples of two)	82
H2 bezel		SQB360SIL (sold in multiples of two)	82
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WL220		WL220DWB27 WL220DWB30 WL220DWB40	241	LEDLINE MAINS 200 25x6		ULS346M30 ULS346M40	257	SL220 Mains		SL220ZWB27 SL220ZWB30 SL220ZWB40	268
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DLT469MW6040	66	GL018 C BLUE	216	GL041 F NW	192	GL200DX2240	212	LED LYTE IP WW	143
DLT470BS6500	67	GL018 C GREEN	216	GL041 F WW	192	GL200DX3X27	213	LED LYTE NW	145
DLT470MW6500	67	GL018 C NW	216	GL041 S NW	192	GL200DX3X30	213	LED LYTE RED	145
DM298FP	98	GL018 C RED	216	GL045X30	187	GL200DX3X40	213	LED LYTE SURFACE NW	142
DM298GRID	98	GL018 C WW	216	GL050 27	214	GL200DX4X27	213	LED LYTE SURFACE WW	142
DMX2102	403	GL018 SQ BLUE	218	GL050 BLUE	214	GL200DX4X30	213	LED LYTE WW	145
DMX RS 485 CABLE	406	GL018 SQ NW	218	GL050 NW	214	GL200DX4X40	213	LEDRGBWEXT	407
EFC3P	99	GL018 SQ WW	218	GL050RGBW	416	GLA01	221	LL030CARGB	409
EMBH145M	352	GL018 T BLUE	219	GL050 WW	214	GS220B	273	LL090RGBW	408
EMBH145S	352	GL018 T NW	219	GL051 BLUE	215	GS220D	273	LSAFC122	158
EMBL30M	350	GL019DC0F27	197	GL051 NW	215	GS220Z	273	LSAFC5122	158
EMBL30S	350	GL019DC0F30	197	GL051 WW	215	H5REFB	96	LSBFC10	158
EMBLDO	355	GL019DC0F40	197	GL063	206	H5REFC	96	LSBFC8	158
EMBLLE	355	GL019DC0FBL	197	GL063 27	206	H5REFG	96	LSBFCD10	158
EMBLRI	355	GL019DMBL27	195	GL064	207	H5REFW	96	LSBFCD8	158
EMBSLK	355	GL019DMBL30	195	GL064 27	207	HB10040	366	LSBFCS10	158
EMBLUP	355	GL019DMBL40	195	GL06X30	186	HB10040E	367	LSBFCS8	158
EMBX35M	351	GL019DNBL27	195	GL07D24X30	184	HB15040	368	LSBFS8L	159
EMBX35S	351	GL019DNBL30	195	GL07D24X40	184	HB15040E	369	LSBFS10L	159
EMBXDO	355	GL019DNBL40	195	GL07D38X30	184	HB20040	370	LSBFS8T	159
EMBXLE	355	GL019 F 27	194	GL07D38X40	184	HB20040E	371	LSBFS10T	159
EMBXRI	355	GL019 F AMBER	194	GL07D60X30	184	HBA60	372	LSBFS8X	159
EMBXUP	355	GL019 F BLUE	194	GL07D60X40	184	HBA70	372	LSBFS10X	159
EMER150M60	353	GL019 F GREEN	194	GL08D24X30	183	HBA90	372	LSC0227200	164
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FL01BXCS	290	GL019LGFWW	196	GL090 F 27	189	IFL10BX40	382	LSC0427100	166
FL02BPCS	291	GL019LGS27	196	GL090 F BL	189	IFL15BX30100150	383	LSC0427XXX	166
FL02BXCS	291	GL019LGSNW	196	GL090 F NW	189	IFL15BX40100150	383	LSC0430100	166
FL03BPCS	292	GL019LGSWW	196	GL090 F WW	189	IFL15BX40	383	LSC0430XXX	166
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FL05BPCS	293	GL019 S AMBER	194	GL090 S 27	189	IFL20BX40100150	384	LSC0440XXX	166
FL05BXCS	293	GL019 S BLUE	194	GL090 S BL	189	IFL20BX40	384	LSC0527200	165
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GL016 F WW	202	GL022 NW	229	GL100DX1X40	208	LEDEP10	358	LSC8430XXX	170
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GL016 F AB BLUE	203	GL034DWBW27	230	GL100DX2130	208	LEDLINE 400 NW 110	252	LSC8440XXX	170
GL016 F AB GREEN	203	GL034DWBW30	230	GL100DX2140	208	LEDLINE 400 NW 25X6	255	LSC8527200	169
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GL016 F AB WW	203	GL038DWBW30	193	GL100DX2240	208	LEDLINE 400 WW 25X6	255	LSC8537XXX	169
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GL018 C AB AMBER	217	GL040DNBL30	191	GL200DX1X27	212	LED LYTE IP 27	143	LSC8640100	171
GL018 C AB BLUE	217	GL040DNBL40	191	GL200DX1X30	212	LED LYTE IP AMBER	143	LSC8640XXX	171
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LSV0530500.....	161	P2A19S40W.....	310	RDSLBLK7030.....	332	SL220ZWBX27.....	267	SQB360SIL.....	82
LSV0530XXX.....	161	P2A22D30W.....	310	RDSLBLK7040.....	332	SL220ZWBX30.....	267	SQSLBLK2030.....	333
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MC010 S BLUE.....	130	P3B19S30W.....	311	RDSSWH2030.....	336	SL230ZWBX27.....	269	SQSSBLK2040.....	337
MC010 S GREEN.....	130	P3B19V30W.....	311	RDSSWH2040.....	336	SL230ZWBX30.....	269	SQSSBLK5030.....	337
MC010 S NW.....	130	P3C19D60W.....	312	RDSSWH5030.....	336	SL230ZWBX40.....	269	SQSSBLK5040.....	337
MC010 S RED.....	130	P3C19S60W.....	312	RDSSWH5040.....	336	SL240BWBWM27.....	272	SQSSWH2030.....	337
MC010 S WW.....	130	P3C19V60W.....	312	RHCL.....	331	SL240BWBWM30.....	272	SQSSWH2040.....	337
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Collingwood Lighting Limited terms and conditions of trading

1. INTERPRETATION

- 1.1 In these Conditions the following words have the following meanings:
"Buyer" the person(s), firm or company from whom an order to supply Goods is received by the Company;
"Buyer Materials" any documents or other materials and any data or other information provided by the Buyer relating to the Goods;
"Company" Collingwood Lighting Limited, a company incorporated in England and Wales (company number 900626) whose registered office is at Brooklands House, Sywell Aerodrome, Sywell, Northampton, NN6 0BT.
"Company Materials" any documents or other materials, and any data or other information provided by the Company relating to the Goods;
"Conditions" the standard terms and conditions of sale as set out in this document together with any special terms and conditions agreed in writing between the Buyer and the Company.
"Contract" any contract between the Company and the Buyer for the sale of Goods;
"Delivery Point" the place where delivery of the Goods is to take place under Condition 4.1;
"Goods" any goods (or parts thereof) to be supplied to the Buyer by the Company.
- 1.2 In these Conditions: references to any statute or statutory provision shall, unless the context otherwise requires, be construed as a reference to that statute or statutory provision as from time to time amended, consolidated, modified, extended, re-enacted or replaced; references to the masculine include the feminine and the neuter and to the singular include the plural and vice versa as the context requires; and headings will not affect the construction of these Conditions.

2. APPLICATION OF TERMS

- 2.1 These Conditions apply to all the Company's sales of Goods and any variation to these Conditions and any representations about the Goods shall have no effect unless expressly agreed in writing and signed by a director of the Company.
- 2.2 No terms or conditions endorsed upon, delivered with or contained in the Buyer's purchase order, confirmation of order or other document will form part of the Contract simply as a result of such document being referred to in the Contract.
- 2.3 Each order for Goods by the Buyer from the Company shall be deemed to be an offer by the Buyer to purchase Goods subject to these Conditions.
- 2.4 Orders should be in writing, and should state the Buyer's relevant order number. Verbal orders will be accepted but the Buyer will be responsible for any errors of description or quantity or date of delivery in Goods supplied thereunder.
- 2.5 No order placed by the Buyer shall be deemed to be accepted by the Company until the Company issues a written acknowledgement or (if earlier) the Company delivers the Goods to the Buyer.
- 2.6 The Buyer must ensure that the terms of any order or related document are complete and accurate.
- 2.7 Unless otherwise stated any quotation is valid for a period of 30 days only from its date, provided that the Company has not previously withdrawn it.
- 2.8 A credit limit applies to every account and will be disclosed on request or will be automatically disclosed if the Buyer's order would cause the credit limit to be exceeded.

3. DESCRIPTION

- 3.1 The description of the Goods shall be as set out in the Company's price list.
- 3.2 All descriptive matter and advertising issued by the Company and any descriptions or illustrations contained in the Company's documentation are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They will not form part of this Contract.
- 3.3 The Buyer should always ensure that the Goods ordered are suitable for the intended purpose before commencing installation, bulk production or investment in tooling.

4. DELIVERY

- 4.1 Unless otherwise agreed in writing by the Company delivery of the Goods shall take place at the address detailed in the Buyer's order.
- 4.2 Any dates specified by the Company for delivery of the Goods are intended to be an estimate and time for delivery shall not be made of the essence by notice.
- 4.3 Subject to the other provisions of these Conditions the Company will not be liable for any loss (including loss of profit), costs, damages, charges or expenses caused directly or indirectly by any delay in the delivery of the Goods (even if caused by the Company's negligence), nor will any delay entitle the Buyer to terminate the Contract.
- 4.4 If for any reason the Buyer will not accept delivery of any of the Goods, or the Company is unable to deliver the Goods on time because the Buyer has not provided appropriate instructions, documents, licences or authorisations: risk in the Goods will pass to the Buyer (including loss or damage caused by negligence); the Goods will be deemed to have been delivered; and the Company may store the Goods until delivery whereupon the Buyer will be liable for all related costs and expenses (including without limitation storage and insurance).
- 4.5 The Buyer will provide at its expense at the Delivery Point adequate and appropriate equipment and manual labour for loading the Goods.
- 4.6 The Company may deliver the Goods by instalments and each instalment shall be treated as a separate Contract so that failure to deliver or defect in one or more instalment shall not entitle the Buyer to reject the other instalments.

5. NON-DELIVERY

- 5.1 The quantity of any consignment of Goods as recorded by the Company upon despatch from the Company's place of business shall be conclusive evidence of the quantity received by the Buyer.
- 5.2 The Company shall not be liable for any non-delivery of Goods (even if caused by the Company's negligence) unless written notice is given to the Company within 3 days of the date when the Goods would in the ordinary course of events have been received.
- 5.3 Any liability of the Company for non-delivery of the Goods shall be limited to replacing the Goods within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.

6. RISK/TITLE

- 6.1 The Goods are at the risk of the Buyer from the time of delivery.
- 6.2 Ownership of the Goods shall not pass to the Buyer until the Company has received in full (in cash or cleared funds) all sums due to it from the Buyer on any account.
- 6.3 Until ownership of the Goods has passed to the Buyer, the Buyer must: hold the Goods on a fiduciary basis as the Company's bailee; store the Goods (at no cost to the Company) separately from all other goods in such a way that they remain readily identifiable as the Company's property; not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods; maintain the Goods in satisfactory condition insured on the Company's behalf for their full price against all risks to the reasonable satisfaction of the Company. (On request the Buyer shall produce the policy of insurance to the Company and hold the proceeds of the insurance referred to in on trust for the Company and not mix them with any other money, nor pay the proceeds into an overdrawn bank account.)
- 6.4 The Buyer may resell the Goods before ownership has passed to it on the following conditions:
- 6.4.1 any sale shall be effected in the ordinary course of the Buyer's business at full market value; and
- 6.4.2 any such sale shall be a sale of the Company's property on the Buyer's own behalf and the Buyer shall deal as principal when making such a sale.
- 6.5 If the Buyer resells any of the Goods on a retail basis it will be responsible for complying with all applicable laws and for the provision of proper labels and instructions as required by the Department of Trade and Industry and/or any other authority for the time being empowered to make any requirements as to the sale or installation of such Goods.
- 6.6 The Buyer's right to possession of the Goods shall terminate immediately if:
- 6.6.1 the Buyer has a bankruptcy order made against him or makes an arrangement or composition with his creditors, or otherwise takes the benefit of any relief for insolvent debtors, or (being a body corporate) convenes a meeting of creditors (whether formal or informal), or enters into liquidation except a solvent voluntary liquidation for the purpose of reconstruction or amalgamation, or has a receiver and/or manager, administrator or administrative receiver appointed of its undertaking or any part thereof, or a resolution is passed or a petition presented to any court for the winding up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer; or
- 6.6.2 the Buyer suffers or allows any execution, whether legal or equitable, to be levied on his/its property or obtained against him/it, or fails to observe/perform any of his/its obligations under the Contract or any other contract between the Company and the Buyer, or is unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or the Buyer ceases to trade; or

- 6.6.3 the Buyer encumbers or in any way charges any of the Goods.
- 6.7 The Company shall be entitled to recover payment for the Goods notwithstanding that ownership of any of the Goods has not passed from the Company.
- 6.8 The Buyer grants the Company, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Buyer's right to possession has terminated, to recover them.

7. PRICE

- 7.1 Unless otherwise agreed by the Company in writing (and except in cases of obvious error) the price for the Goods shall be the price set out in the Company's price list as in force at the date of invoice.
- 7.2 Where the Company and the Buyer agree a discount in respect of the Company's price list any such discount will only apply where confirmed by the Company in writing and where payment is received from the Buyer in full within 14 days of it falling due.
- 7.3 If the Buyer is paying for Goods on a "pro-forma" basis (whether due to slow payment or otherwise) no discount to the price stated in the Company's price list will apply notwithstanding any prior arrangement to the contrary unless the discount is confirmed by a director of the Company in writing.
- 7.4 The Company reserves the right, by giving notice to the Buyer to increase the price of the Goods to reflect any increase in the cost to the Company which is due to any factor beyond the control of the Company, any change in delivery dates or quantities specified by the Buyer or any delay caused by the instructions of the Buyer or failure of the Buyer to provide adequate information or instructions.
- 7.5 The price for the Goods shall be exclusive of any value added tax which shall be paid at the rate and in the manner for the time being provided by law.
- 7.6 Carriage will be paid by the Company on Goods bought in accordance with its current conditions for delivery on the UK mainland. Further charges may apply where alternative delivery terms are agreed.
- 7.7 A handling charge of £5.50 will be added to orders with a Goods value of less than the current minimum order value stipulated by the Company's sales office from time to time.
- 7.8 Invoices credited as a result of Buyer error will attract a service charge of 15% if returned within 21 days. Between 22 days and 3 months a charge of 30% will apply.

8. PAYMENT

- 8.1 The price for Goods is due within 30 days of the end of the month in which it is invoiced unless specified differently on the invoice. Time for payment shall be of the essence.
- 8.2 No payment shall be deemed to have been received until the Company has received cleared funds.
- 8.3 All payments payable to the Company under the Contract shall become due immediately upon termination of this Contract despite any other provision.
- 8.4 The Buyer shall make all payments due under the Contract without any deduction whether by way of set-off, counterclaim, discount, abatement or otherwise unless the Buyer has a valid court order requiring an amount equal to such deduction to be paid by the Company to the Buyer.
- 8.5 If the Buyer fails to pay the Company any sum due pursuant to the Contract the Buyer will be liable to pay interest to the Company on such sum from the due date for payment at the annual rate of 5% above the base lending rate published from time to time by the Bank of England, accruing on a daily basis until payment is made, whether before or after any judgment.

9. QUALITY

- 9.1 The Company warrants that (subject to the other provisions of these Conditions) upon delivery, the Goods will be of satisfactory quality within the meaning of the Sale of Goods Act 1979.
- 9.2 The Company shall not be liable for a breach of the warranty in Condition 9.1 unless: the Buyer gives written notice of the defect to the Company, and (if the defect is as a result of damage in transit) to the carrier, within 14 days of delivery; and the Company is given a reasonable opportunity after receiving the notice of examining such Goods and the Buyer (if asked to do so by the Company) returns such Goods to the Company's place of business at the Buyer's expense for the examination to take place.
- 9.3 The Company shall not be liable for a breach of the warranty in Condition 9.1 if the Buyer makes any further use of such Goods after giving such notice; or the defect arises because the Buyer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or (if there are none) good trade practice; or the Buyer alters or repairs such Goods without the written consent of the Company.
- 9.4 Subject to Conditions 9.2 and 9.3, if any of the Goods do not conform with the warranty in Condition 9.1 the Company shall at its option repair or replace such Goods (or the defective part) or refund the price of such Goods at the pro rata Contract rate provided that, if the Company so requests, the Buyer shall, at the Buyer's expense, return the Goods or the part of such Goods which is defective to the Company.
- 9.5 If the Company complies with Condition 9.4 it shall have no further liability for a breach of the warranty in Condition 9.1 in respect of such Goods.
- 9.6 Where a defect is discovered the Buyer will inform the Company immediately notwithstanding the expiry of the warranty period in Condition 9.2.
10. **LIMITATION OF LIABILITY (The Buyer's attention is drawn to the provisions of this Condition)**
- 10.1 Subject to Condition 9, the following provisions of this Condition 10 set out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) in respect of any breach of these Conditions and any representation, statement or tortious act or omission including negligence arising under or in connection with the Contract.
- 10.2 All terms implied by statute or common law (save for the conditions implied by section 12 of the Sale of Goods Act 1979) are, to the fullest extent permitted by law, excluded from the Contract.
- 10.3 Nothing in these Conditions excludes or limits the liability of the Company for death or personal injury caused by the Company's negligence or for fraudulent misrepresentation.
- 10.4 Subject to Conditions 10.2 and 10.3:
- 10.4.1 the Company's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation or otherwise, arising in connection with the performance or contemplated performance of this Contract shall be limited to the price paid by the Buyer; and
- 10.4.2 the Company shall not be liable to the Buyer for any indirect or consequential loss or damage (whether for loss of profit, loss of business, depletion of goodwill or otherwise), costs, expenses or other claims for consequential compensation (howsoever caused) which arise out of or in connection with the Goods.

- 10.5 The Buyer warrants that any installation of the Goods will be performed by properly trained staff and agrees that it shall be solely responsible for any use to which the Goods are put after delivery.

11. INTELLECTUAL PROPERTY

- 11.1 The property and any copyright or other intellectual property rights in any Buyer Materials shall belong to the Buyer and any Company Materials shall, unless otherwise agreed in writing between the Buyer and the Company, belong to the Company, subject only to a licence in favour of the Buyer to use the Company Materials for the purposes of receiving the Goods.

12. FORCE MAJEURE

- 12.1 The Company reserves the right to defer the date of delivery or to cancel the Contract or reduce the volume of the Goods ordered by the Buyer (without liability to the Buyer) if it is prevented from or delayed in the carrying on of its business due to circumstances beyond the reasonable control of the Company including, without limitation, acts of God, governmental actions, war or national emergency, riot, civil commotion, fire, explosion, flood, epidemic, lock-outs, strikes or other labour disputes (whether or not relating to either party's workforce), or restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials.

13. GENERAL

- 13.1 Each right or remedy of the Company under the Contract is without prejudice to any other right or remedy of the Company whether under the Contract or not.
- 13.2 If any provision or part of a provision of the Contract is found by any court or other body of competent jurisdiction to be illegal, invalid, void, voidable, unenforceable or unreasonable it shall be deemed severable and the remaining provisions of the Contract and the remainder of such provision shall continue in full force and effect.
- 13.3 Failure or delay by the Company in enforcing or partially enforcing any provision of the Contract will not be construed as a waiver of any of its rights under the Contract. Any waiver by the Company of any breach of, or any default under, any provision of the Contract by the Buyer will not be deemed a waiver of any subsequent breach or default and will in no way affect the other terms of the Contract.
- 13.4 The parties to this Contract do not intend that any term of this Contract will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it.
- 13.5 The Buyer shall not be entitled to assign the Contract or any part of it without the prior written consent of the Company. The Company may assign the Contract or any part of it to any person, firm or company.
- 13.6 The formation, existence, construction, performance, validity and all aspects of the Contract shall be governed by English law and the parties submit to the exclusive jurisdiction of the English courts.



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