



COLLINGWOOD  
LIGHTING

Established 1901

EXTENDED WARRANTY



Collingwood Lighting now offers 3, 4, 5 & 7-year extended warranties on all products carrying the G3, G4, G5 or G7 symbol.

You can register online by visiting [collingwoodlighting.com](http://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.

**WARNING:** Do not install LED units into wood which has been treated with creosote, e.g. old railway sleepers. Creosote fumes can permeate the silicon seals and damage the LEDs.

All specifications are believed to be valid at time of going to print and are subject to change without notice. Allow for a  $\pm 5\%$  tolerance on all photometric data.

Whilst we try to ensure accurate colour representation, please be aware that the photographic/printing process may sometimes alter colours.

Errors and omissions excepted.

Any variations to specifications and full details of conditions of sale can be obtained by contacting us at:

t +44 (0)1604 495 151  
f +44 (0)1604 495 095  
e [sales@collingwoodgroup.com](mailto:sales@collingwoodgroup.com)

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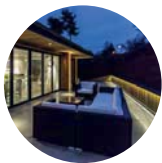


# AN INTRODUCTION TO COLLINGWOOD

**We design and manufacture innovative, high quality LED lighting solutions.**

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 delivering outstanding service, to being 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 & planning**



**Streamlining installation**



**Customer care excellence**

## Design & planning

From the initial idea 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. From our team of engineers improving every aspect of our products through to 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 services team only a phone call away.







## COLLINGWOOD INNOVATIONS

Established in 1901 and starting to design and produce LED lighting in 2002, Collingwood has a proven history of innovation.

We are determined to create products that drive the market forward whilst providing solutions to make the lives of our customers easier.

It's this switched-on philosophy that has led us to introduce many firsts to the LED lighting market.

### Collingwood were the first to...

Design and manufacture LED lighting products for the UK electrical wholesale market

Produce sealed for life, 100% waterproof, inground LED lighting products

Produce sealed for life outdoor LED lighting products

Produce a fit for purpose, high performance, fire-rated LED downlight

Produce a mains dimmable LED downlight

Produce an LED downlight that complies with all building regulations

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

Offer a 7-year extended warranty

# NEW PRODUCTS

## DOWNLIGHTS

We invest our energy, into saving you energy

Our drive to make our downlight range as high quality, feature-packed and comprehensive as possible has allowed us to once again introduce further updates and additions. Most of our downlight range is now insulation coverable for even easier installation, plus we've developed a new H4 Pro range, featuring the benefits of adjustable lights combined with interchangeable twist & lock bezels.

### The ideal solution for any project

Single point source

Colour switchable

High output

Adjustable  
Tri-LED

### H2 Pro 550 SPS

Single point source, dimmable, fire-rated LED downlight



560 lumens

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### H2 Pro 550 CS

Colour switchable, dimmable, fire-rated LED downlight



600 lumens

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### H2 Pro 700

Dimmable, fire-rated LED downlight



750 lumens

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### H4 Pro 550

Adjustable, dimmable, fire-rated LED downlight



580 lumens

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# NEW PRODUCTS

## DOWNLIGHTS

Adjustable  
Single point source

Adjustable  
High output

Adjustable  
Low glare

Twist & lock

### H4 Pro 550 SPS

Adjustable, single point source, dimmable, fire-rated LED downlight



560 lumens

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### H4 Pro 700

Adjustable, single point source, dimmable, fire-rated LED downlight



750 lumens

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### H4 Pro Elect

Adjustable, low glare, dimmable, fire-rated LED downlight



700 lumens

\* available in dim to warm

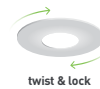
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### H4 Pro bezels

Twist & lock bezel options for H4 Pro range

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Our H4 range of adjustable downlights can now be installed with a choice of dedicated interchangeable twist & lock bezels.





# NEW PRODUCTS

We've expanded our product offering to provide even more innovative solutions for a wide range of projects.

Our new microwave sensor option for our bulkhead range adds an extra level of security and efficiency to commercial and residential environments. Whilst the addition of 2700K CCT options to our spike light range provides uniformity across projects and improved illumination of warm tones and materials used in exterior design, such as stone and wood.

## BULKHEADS )))

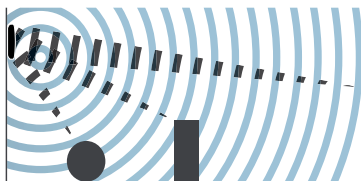
WL92 straight to mains, LED bulkhead with microwave sensor



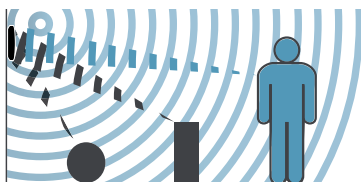
1620 lumens



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Microwave sensors send out microwave pulses, these bounce off of nearby objects, measuring the reflections.



When a moving object enters the area the sensor receives a new reflection, which trips the sensor and turns on the light.

## SPIKE LIGHTS

2700K spike light options



Spike length 320mm



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Coming soon

Call us on **01604 495151** for more information

## STRIP LIGHTS

9.6W, 14.4W and 20W additions to the LED strip range

IP20 - IP65   2700K - 6500K   9.6W - 20W



## DIMMERS

Downlight range compatible LED mains Grid dimmer and Faceplate dimmer



35mm Backbox

Page 82



8 x grid adaptors with DM298GRID

## DALI INTERFACE

DALI dimming interface module for integration of luminaires into a DALI system


































IP20   240V   1/2-50°C   1/2-20°C   7yr

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# icons

Use our icons to quickly and easily determine the attributes of our products

ICON	DESCRIPTION	ICON	DESCRIPTION	ICON	DESCRIPTION
	<b>WATTAGE</b> Energy consumed by unit		<b>BATHROOM ZONE</b> The bathroom zone into which the product can be installed		<b>PUSH-FIT TERMINAL CONNECTOR</b> Available with push-fit terminal connector
	<b>STRAIGHT TO MAINS</b> Powered by the mains		<b>TILT ANGLE</b> The angle in which the light can be tilted		<b>EMERGENCY PACK</b> Pre-wired emergency pack option available
	<b>LIFE OF LED</b> The expected LED lifetime		<b>ROTATION ANGLE</b> The angle in which the light can be rotated		<b>RGB</b> 1. RGB product 2. There is an RGB option available
	<b>DIMMABLE</b> Product is mains dimmable		<b>FLICKER FREE</b> Product has no visible flicker		<b>RGBW</b> 1. Contains an additional white LED as well as RGB 2. There is an RGBW option available
	<b>DIM TO WARM</b> 1. Dim to warm product 2. There is a dim to warm option available		<b>MICROWAVE SENSOR</b> Product uses a microwave sensor to detect movement		<b>COLOUR SWITCHABLE</b> Colour temperature can be switched between 3000K, 4000K and 6500K
	<b>BEAM ANGLE</b> Angle of light distributed		<b>PIR SENSOR</b> Product uses a PIR sensor to detect movement		<b>COLOUR BINNING</b> Product is SDCM
	<b>UGR 14</b> Unified Glare Rating		<b>FACE TEMPERATURE</b> Max operating temperature of the product		<b>GUARANTEE</b> Length of the product guarantee
	<b>IP RATING</b> Level of sealing effectiveness, measured against dust and liquid		<b>AMBIENT TEMPERATURE</b> The maximum temperature of the environment the product can be installed into		<b>EXTENDED WARRANTY</b> 3-year extended warranty available (1-year guarantee as standard)
	<b>IK RATING</b> Level of impact protection		<b>BESPOKE LENGTHS</b> LED strip can be cut to bespoke lengths (at cut points)		<b>EXTENDED WARRANTY</b> 4-year extended warranty available (1-year guarantee as standard)
	<b>ROLLED INSULATION</b> Rolled insulation can be placed directly over product		<b>WEIGHT</b> The weight of the product		<b>EXTENDED WARRANTY</b> 5-year extended warranty available (1-year guarantee as standard)
	<b>ALL INSULATION</b> All insulation types can be placed directly over product		<b>CUT OUT</b> Diameter of hole required to install the product		<b>EXTENDED WARRANTY</b> 7-year extended warranty available (1-year guarantee as standard)



# DRIVING PERFORMANCE

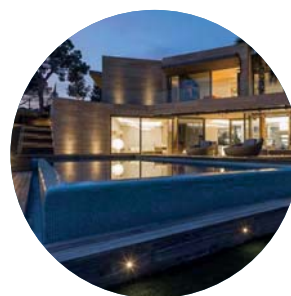
Optimise performance with Collingwood drivers



**COLLINGWOOD**  
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 is 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.

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Wherever you see this symbol

**EM** Emergency pack service available  
Wherever you see this symbol

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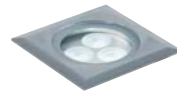
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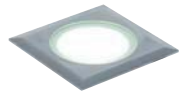
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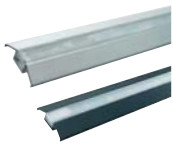
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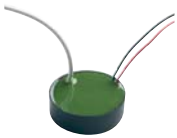
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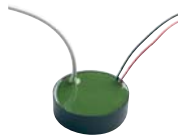
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# LAYERING LIGHT

By layering up light from different sources at different levels, richness and depth is added to a space. Bring together the three key types of lighting, ambient, task and accent, in varying combinations, to create a sophisticated multi-dimensional scheme which will enhance any environment, bringing it to life, allowing for variations in atmosphere and making it a pleasant and exciting place to be.

These layers can generally be broken down into different types:

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

## AMBIENT LIGHTING

- General background lighting.
- Replaces natural daylight.

## ACCENT LIGHTING

- Provides points of focus, highlight and visual interest which add depth to a space.

## TASK LIGHTING


- Focussed light for specific areas where tasks are carried out

For more applications please visit [collingwoodlighting.com](http://collingwoodlighting.com)



## HIGH LEVEL LIGHTING

- Lights which illuminate higher level features such as ceilings, cornices or tall trees provide this layer of light.



## MID LEVEL LIGHTING

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



## LOW LEVEL LIGHTING

- Lights at ground level or set low in walls and kickboards, shining down onto the ground or onto steps, provide a soft low level of mood lighting and can also act as an effective night light. The same is true outside, with lit paths and steps providing low-level guide lighting.



# LIGHTING DESIGN SERVICE

THE  
**STUDIO**  
AT COLLINGWOOD

At Collingwood Lighting, we have a team of professional lighting designers who offer two levels of service to our customers. Where appropriate, the designers can provide a 3D render of your lighting choices, enabling you to visualise your selection of LED products in situ. With their passion and flair for creative and effective lighting solutions, our design team is also equipped to propose and present a full lighting solution for your project, however big or small.

Our schemes are tailored to meet all your requirements, enabling you to enhance and control your environment through the use of light. By layering light from different sources, highlighting key features of the space, ensuring that light is provided where it is most needed and that flexibility is fully catered for, our designers will help you to put in place the most effective lighting for your project.

Call the sales team on **01604 495151** to discuss your ideas.





Bradford University

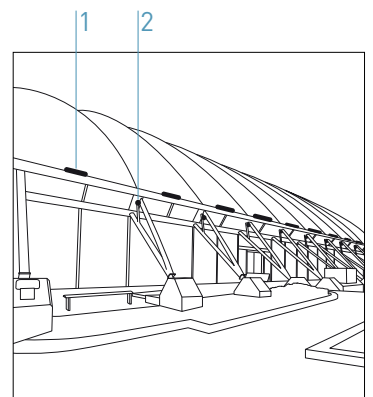
Recreate this look:



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UL346CARGB



2. [Page 254](#)  
UL030RGBW







Kings Head - Spratton

Recreate this look:



1. Page 134  
MC050

Add to this look...

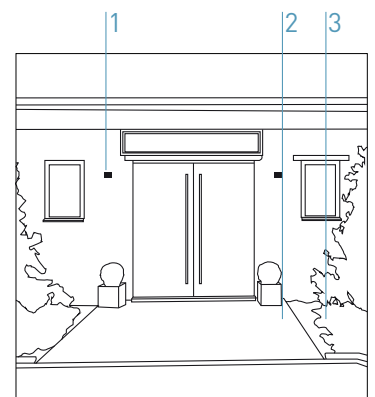


2. Page 222  
SL030



3. Page 120  
GL018 C

The **SL030** could have been planted in the beds to create an additional layer of light here. **GL018 Cs** could also have been added to draw the eye towards the entrance.







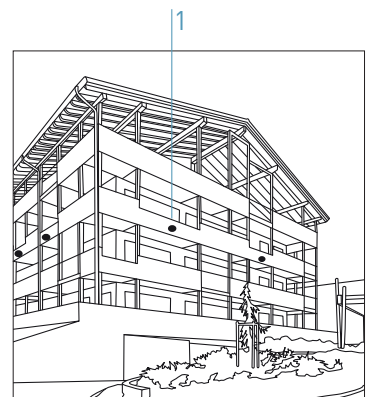
Hotel – Ulrichshof Rimbach

Architektur- und Designstudio: noa\* – network of architecture

Recreate this look:



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Hotel – Ulrichshof Rimbach

Architektur- und Designstudio: noa\* - network of architecture

Recreate this look:



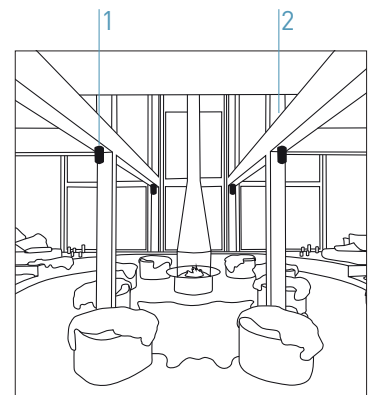
1. Page 89  
DLSURFACE

Add to this look...



2. Page 209  
UL030

Highlighting of the timber structure could be achieved with UL030.





Odeon Cinema

Recreate this look:



1. Page 261  
LED5050RGB



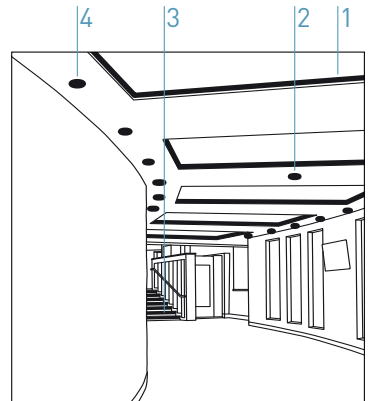
2. Page 80  
H6 LITE



3. Page 172  
LSC45



4. Page 77  
H5 500 ASYM







Errol Flynn Cinema - Northampton

Recreate this look:



1. Page 61  
H2 PRO 550



2. Page 140  
WL041 IP

Add to this look...

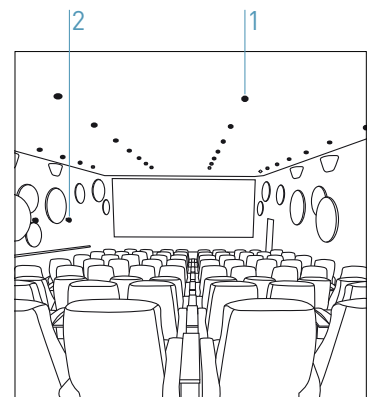


1. Page 76  
H5 500 SYM



1. Page 89  
DL SURFACE

Alternatively, consider using low glare fittings like **H5 500 SYMMETRIC** or surface mounted fittings such as the **DL SURFACE** for an additional feature.





Private residence - Sheffield

Recreate this look:



1. [Page 132](#)  
WL370A



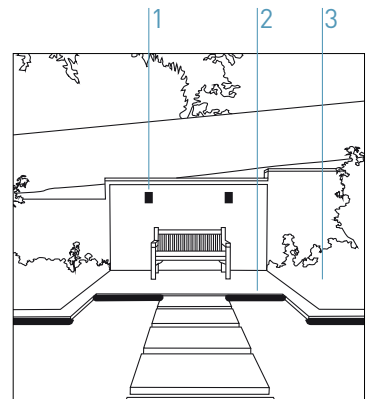
2. [Page 174](#)  
LEDSTRIP IP

Add to this look...



3. [Page 222](#)  
SL030

SL030s could be added to the beds to up-light shrubs and add another layer of light.







Porthmeor Beach Cafe Bar - Cornwall

Recreate this look:



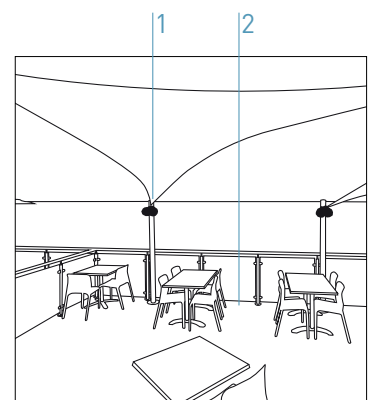
1. Page 209  
UL030

Add to this look...



2. Page 120  
GL018 C

GL018s could be added to provide a low level glow of light.







Hotel - Aix en Provence

Recreate this look:



1. Page 222  
SL030



2. Page 111  
GL050



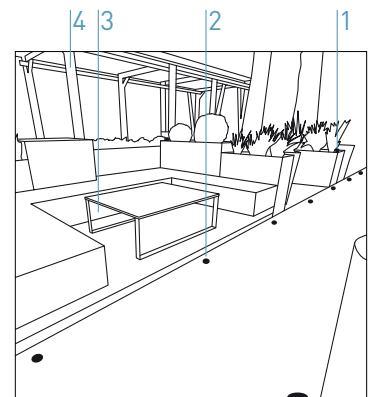
3. Page 174  
LEDSTRIP IP

Add to this look...



4. Page 133  
WL075A

WL075As could be added to the pergola as downlights to provide an additional layer of light.







Private residence - Sheffield

Recreate this look:



1. Page 129  
GL034A



2. Page 174  
LEDSTRIP IP



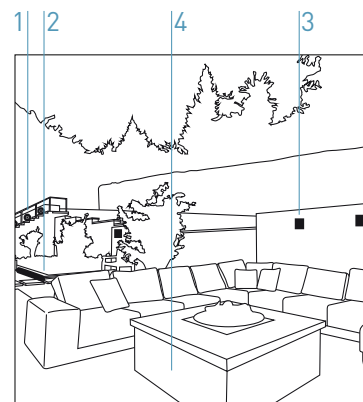
3. Page 132  
WL370A

Add to this look...



4. Page 131  
WL341

Set **WL341s** in the sides of the stone fire support to wash light down onto the floor for a low level layer of soft lighting.







Private residence

Courtesy of birchhomes.co.uk

Recreate this look:

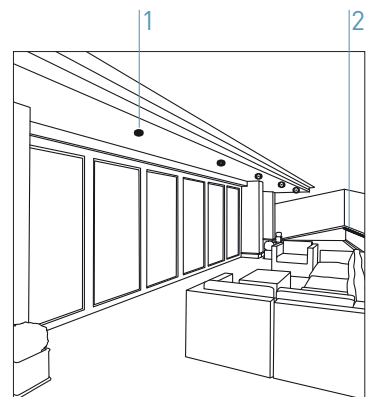


1. Page 109  
GL040



2. Page 171  
LSC43

To find out how you can recreate the interior lighting see [Page 45](#).





Porthminster - Cornwall

Recreate this look:



1. Page 76  
H5 500 SYM

Add to this look...

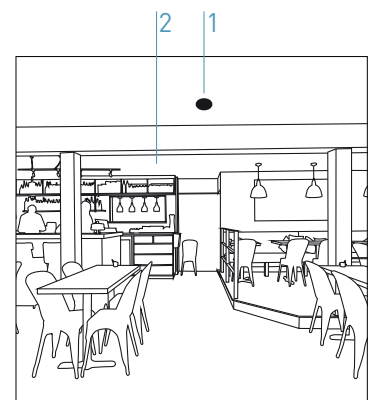


2. Page 97  
DM01



2. Page 99  
DH02WH

Dark spots, such as the chest, could be lit with the **DM01 + DH02WH**.







Lourenzos - Dumfermline - Scotland

Recreate this look:



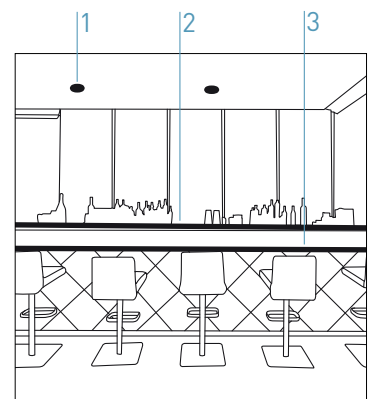
1. [Page 75](#)  
H5 TRIMLESS



2. [Page 261](#)  
LED5050RGB



3. [Page 171](#)  
LSC43







The Barn - Suffolk

Recreate this look:



1. Page 61  
H2 PRO 550



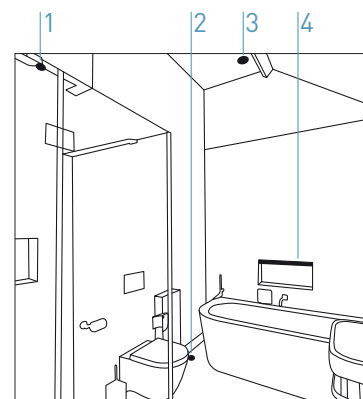
2. Page 115  
GL019 S



3. Page 76  
H5 500 SYM



4. Page 174  
LEDSTRIP IP





Private Residence

Recreate this look:



1. Page 61  
H2 PRO 550



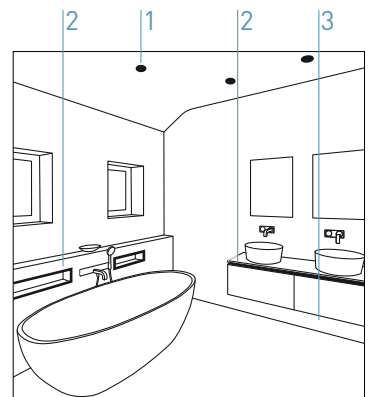
2. Page 174  
LEDSTRIP IP

Add to this look...



3. Page 174  
LEDSTRIP IP

Add another length of **LEDSTRIP IP** underneath the floating unit to provide a low level of light.







Private residence

Photo: Lumiere

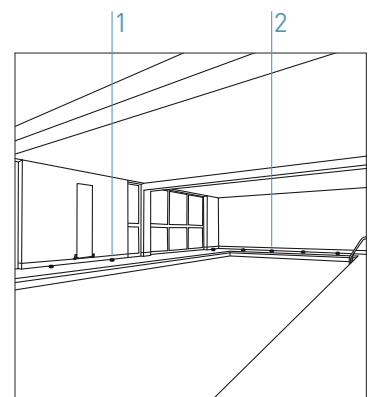
Recreate this look:



1. Page 115  
GL019 S



2. Page 246  
GL050RGBW







Private residence

Recreate this look:



1. Page 220  
SL220A



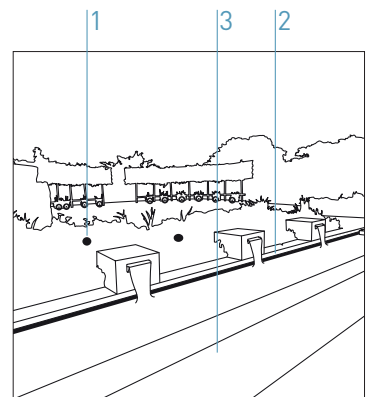
2. Page 174  
LEDSTRIP IP

Add to this look...



3. Page 120  
GL018

Marker lights such as **GL018** can be used to subtly light the way of the path.







Private residence - Costa Brava

dosarquitectes | Francesc Aromir

Recreate this look:



1. Page 109  
GL040

Add to this look...

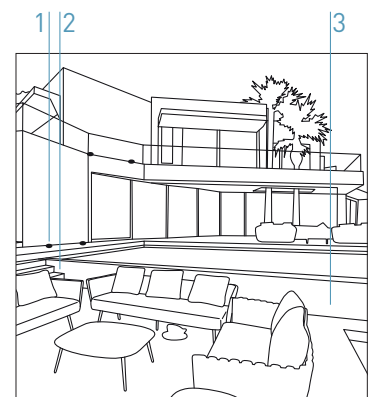


2. Page 112  
GL016 F



3. Page 227  
BOL LED 1

Add miniature ground lights such as **GL016** into the sides of steps and low retaining wall for a low layer of light which will frame the seating area. The wooden Bollard, **BOL LED 1**, would also complement this scene and provide extra light to relax by.





Private residence

Recreate this look:



1. Page 132  
WL070A



2. Page 109  
GL040



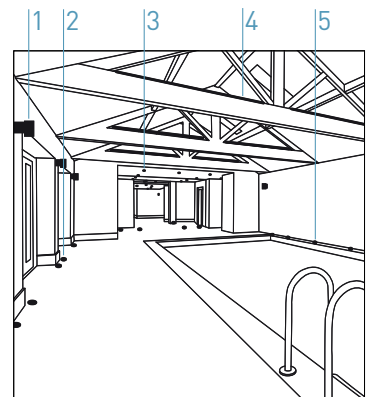
3. Page 61  
H2 PRO 550



4. Page 171  
LSC43



5. Page 112  
GL016 F







Private Residence - Brighton

Recreate this look:



1. Page 115  
GL019 S



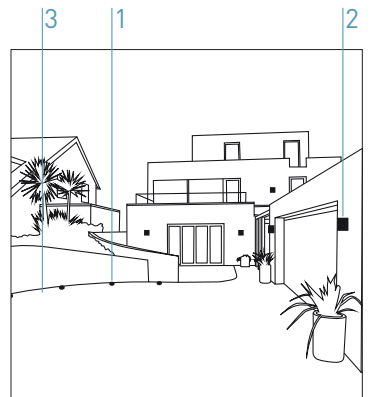
2. Page 132  
WL070A

Add to this look...



3. Page 130  
WL340

WL340 could have been used here in conjunction with the ground lights to provide a wash of light on the drive way.







The Star Inn The City - York

Recreate this look:



1. Page 226  
BOL LED 030 MAINS



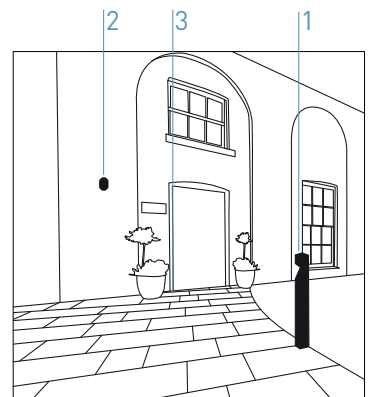
2. Page 132  
WL170A

Add to this look...



3. Page 107  
GL038A

GL038As could be placed either side of the entrance door to create a welcoming look.







Private residence - Northampton

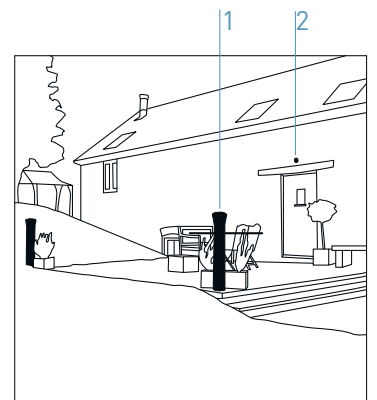
Recreate this look:



1. [Page 229](#)  
BOL255



2. [Page 133](#)  
WL075A







Private residence - Halifax

Recreate this look:



1. Page 61  
H2 PRO 550



2. Page 115  
GL019 S



3. Page 132  
WL070A

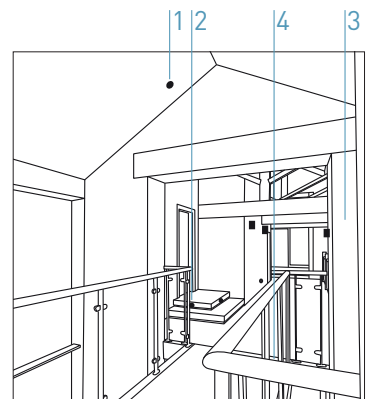


4. Page 120  
GL018 C

Add to this look...

Add accent lighting with **WL070s** set either side of the opening to highlight the bare stonework with flumes of light.

A low level of light could be added to the walkway by recessing **GL018s** into the wood.







Private Residence - Worcestershire

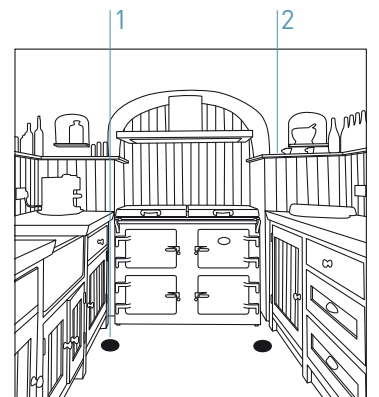
Recreate this look:



1. Page 130  
WL340



2. Page 167  
LSV43







Private residence

Recreate this look:



1. Page 209  
UL030



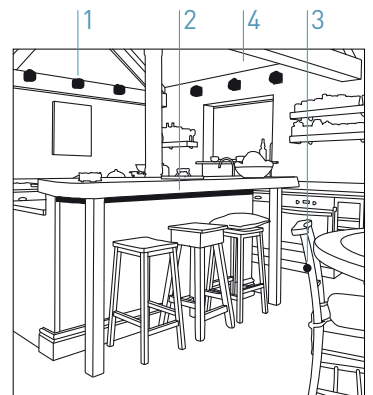
2. Page 170  
LSC03




3. Page 148  
ML01



4. Page 69  
H4 PRO 550



 Watch the layering light video on the YouTube channel to find out more about this project.





Private Residence

Courtesy of birchhomes.co.uk

Recreate this look:



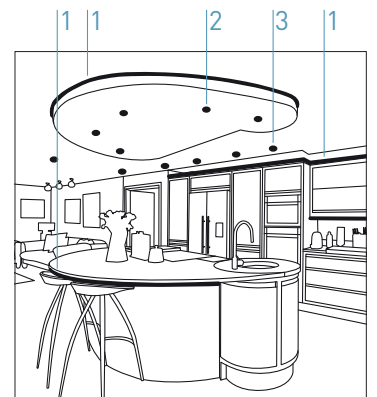
1. Page 171  
LSC43



2. Page 60  
H2 LITE



3. Page 76  
H5 500 SYM





Private residence - The Barn, Suffolk

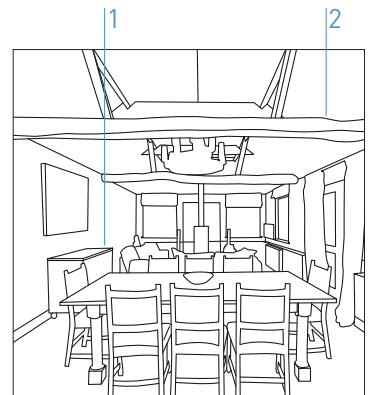
Recreate this look:



1. Page 115  
GL019 S



2. Page 139  
WL220A







Private residence

Recreate this look:



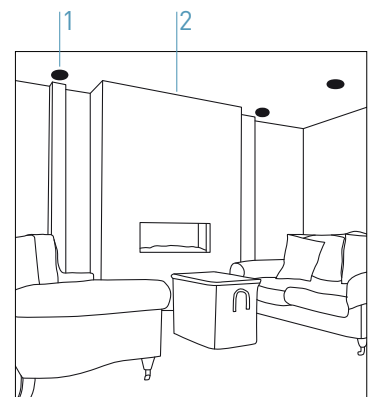
1. Page 76  
H5 500 SYM

Add to this look...



2. Page 115  
GL019 S

Add **GL019s** set as downlights against the rough stone wall to add another level of interest, creating shadow and highlighting texture.







The Barn - Suffolk

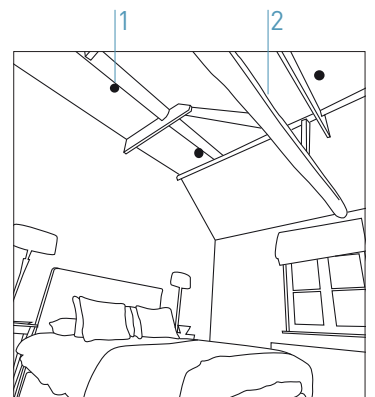
Recreate this look:



1. [Page 76](#)  
H5 500 SYM



2. [Page 170](#)  
LSC03







Private Residence

Recreate this look:



1. Page 61  
H2 PRO 550



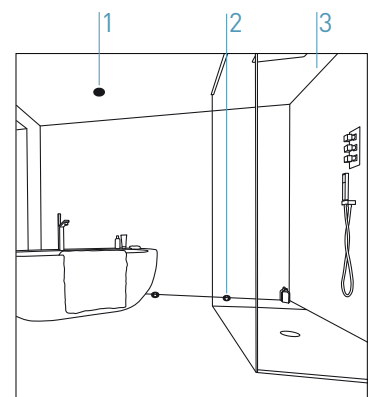
2. Page 111  
GL050

Add to this look...



3. Page 115  
GL019 F

Highlight the colour and texture of the wall tiles by setting four **GL019 Fs** in the ceiling behind the shower.





Private residence

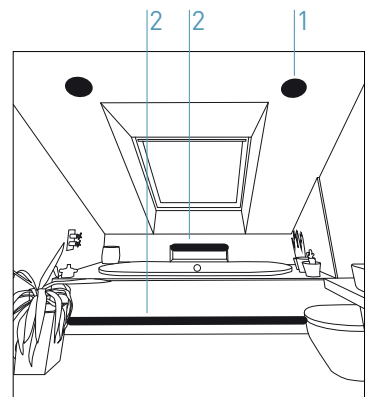
Recreate this look:



1. [Page 74](#)  
H4 EYEBALL



2. [Page 174](#)  
LEDSTRIP IP







Private residence

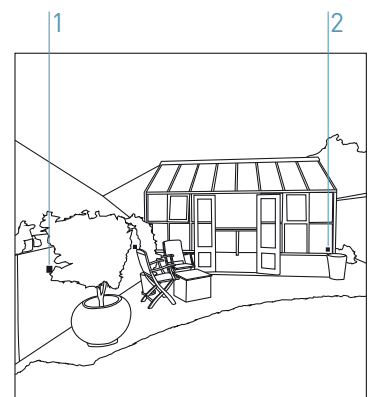
Recreate this look:



1. Page 144  
MC020 S



2. Page 210  
UL010







Private residence

Recreate this look:



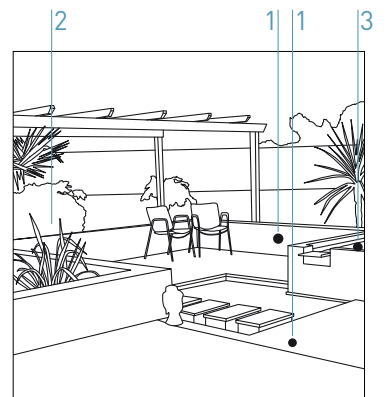
1. [Page 111](#)  
GL050



2. [Page 209](#)  
UL030



3. [Page 220](#)  
SL220A







The Crypt - Woburn

Recreate this look:



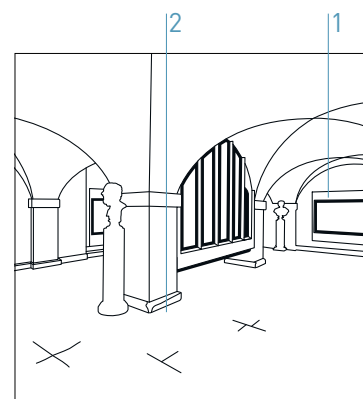
1. Page 170  
LSC03

Add to this look...



Use small **GL016** fittings to highlight columns and reflect light back from the vaulted ceiling.

2. Page 112  
GL016 F







Castle Howard - York

Recreate this look:



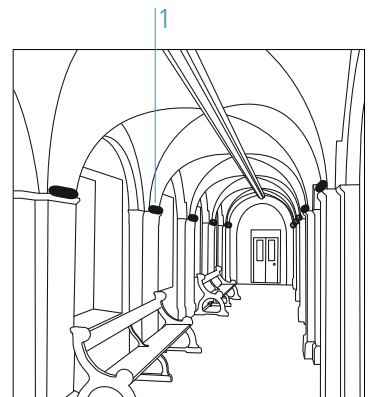
1. Page 202  
LEDLINE 400 45

Add to this look...



1. Page 205  
ULM347M40

For a straight to mains option use [LEDLINE MAINS](#)







University - Newcastle

Photo © Southern Green Ltd

Recreate this look:



1. Page 202  
LEDLINE 400 45



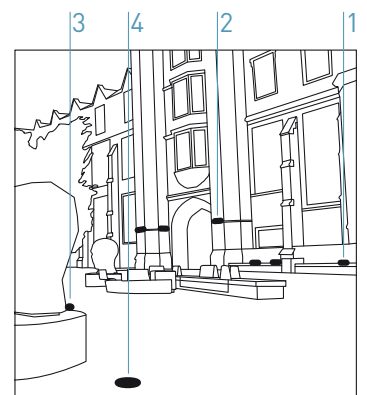
2. Page 204  
LEDLINE 400 25X6



3. Page 108  
GL090



4. Page 103  
GL08







Thackerays - Northampton

Recreate this look:



Our retail range offers total flexibility for lighting your retail store. Our range features LUXEON CrispWhite Technology on our 3000K option, to make colours pop and whites come alive.

1. [Page 183](#)

TMWH2030







Asha's Attire - Oundle

Recreate this look:

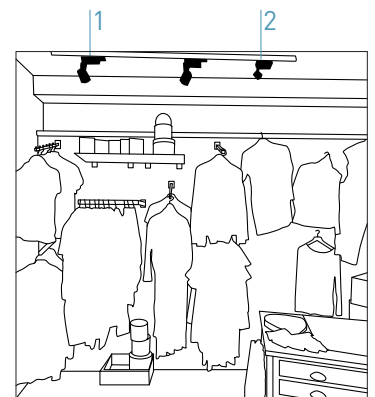


1. Page 183  
TMWH7030



2. Page 184  
TSWH5030

Our retail range offers total flexibility for lighting your retail store. Our range features LUXEON CrispWhite Technology on our 3000K option, to make colours pop and whites come alive.





# DOWNLIGHTS

To create inviting and versatile environments



## COLOUR SWITCHABLE

Using a standard wall switch or dimmer the colour temperature of colour switchable products can easily be switched between 3000K, 4000K and 6500K - without any additional wiring or control gear.



This symbol indicates that the product is colour switchable

3000K



4000K



6500K



## LOW GLARE

Our low glare lighting is ideal for creating spaces where the focus is returned to comfort, enjoyment, or function, not the source of the light.

'Elect' downlights are designed with visual comfort in mind, the skilfully engineered fittings combine optically designed reflectors with recessed LEDs to maximise lighting control and eliminate unwanted glare.



This symbol indicates that the product has a Unified Glare Rating (UGR) of 14

Low Glare



Glare



## LED COLOUR OPTIONS

Choose the colour temperature most suited to the environment you want to create.

Collingwood downlights are available in 4000K, 3000K, 2700K, colour switchable and dim to warm. We're committed to ensuring our products have a colour consistency across our ranges, whether you are choosing a downlight, ground light or LED strip for your installation.

2700K



3000K



4000K





## INSULATION COVERABLE

Many of our downlights are now insulation coverable for even faster and easier installation.



This symbol indicates that the product can be covered by rolled insulation



This symbol indicates that the product can be covered by all types of insulation, including blown and rolled



## DIM TO WARM

Using a standard dimmer the CCT transitions to a warmer colour temperature as it dims. At 25% intensity the light replicates the warm atmosphere typically created by a dimmed incandescent lamp but with all the benefits of a Collingwood LED.

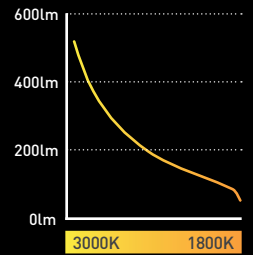


This symbol indicates that the product is available in dim to warm

3000K (100% intensity)

2400K (50% intensity)

1800K (25% intensity)



## SINGLE POINT SOURCE vs TRI-LED



Choose a single point source lens for a symmetrical design that replicates the look and feel of a traditional halogen lamp.



The Tri-LED aesthetic has become synonymous with LED technology. Choose this lens for the perfect finish to a modern space.

## 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 leaving crisp ceiling lines.



## EFFICACY

We aim to make all of our products as energy efficient as possible.

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



This symbol indicates that the product has an efficacy of 100lm/W or higher

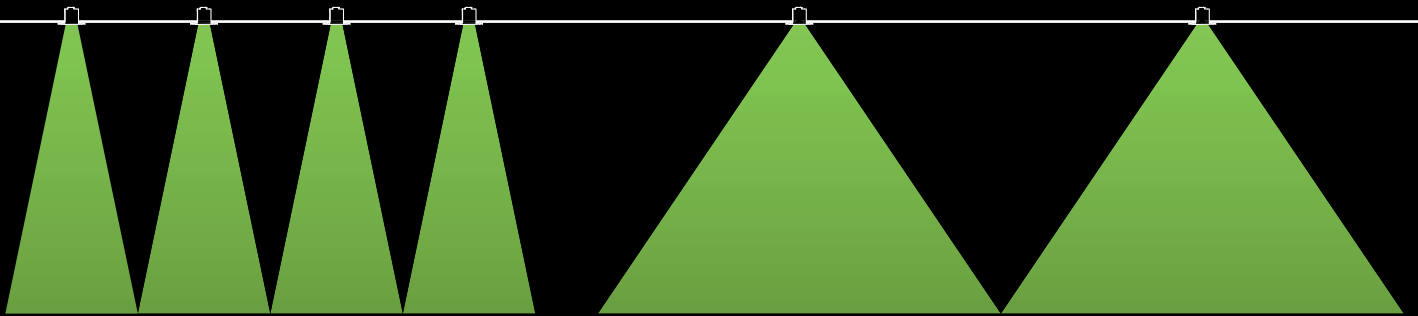
# DOWNLIGHTS

To create inviting and versatile environments



## BEAM ANGLES

Products with a wide beam angle cover a wider area with fewer lights, reducing time and cost spent on fittings.



## PUSH-FIT TERMINAL CONNECTOR

The Collingwood terminal connector uses push-fit terminals for quick and easy loop in / loop out wiring, eliminating the need for tools and separate junction boxes and reducing installation time.



This symbol indicates that the product has or is available with a push-fit terminal connector

### No tools



### Safe & secure



### Save time & money



## EMERGENCY PACK SERVICE

### Pre-wired service available

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

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

With this service, we wire the emergency pack and fitting so you don't have to. Providing peace of mind and reducing installation time.



This symbol indicates that the product is available with the pre-wired emergency service



## SLIMLINE, TWIST & LOCK BEZELS

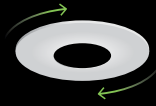
## DECORATOR BOX

Our bezels have a slimline flush finish with twist & lock technology that makes interchanging bezels quick, clean and easy.

H2 range: choose from seven round bezels and five square available in matt white, gloss white (round only), matt black, silver, chrome, brushed steel (round only) and polished gold.

H4 range: choose from matt white, gloss white, chrome and brushed steel round bezels.

The matt white and matt black options can be painted with a wide range of household emulsions.



twist & lock

This symbol indicates that the product has a variety of compatible twist & lock bezels to choose from (sold separately)

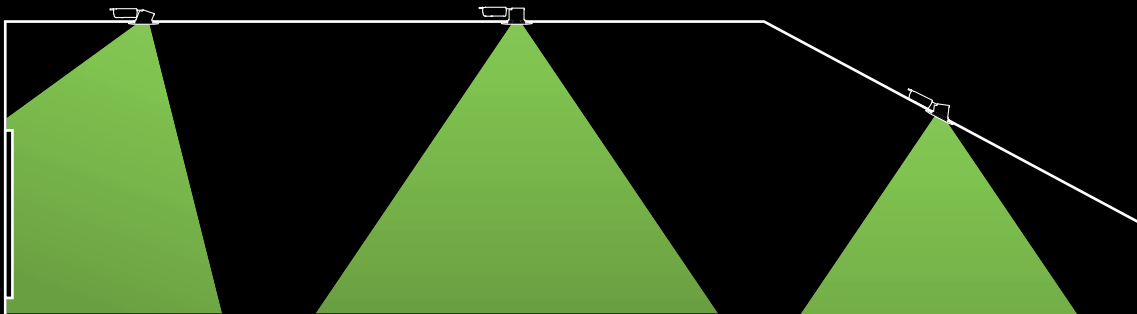
Collingwood downlight packaging has been designed to be used to form a shield around the product after connecting, protecting your downlight from potential paint splatter and dust.



To find out more about both the Decorator Box and terminal connector, check out our video at [youtube.com/collingwoodlighting](https://www.youtube.com/collingwoodlighting) or call 01604 495 151

## ADJUSTABLE FITTINGS

The H4 adjustable range provides versatility that's perfect for vaulted ceilings, standard ceilings and highlighting features and artwork on walls.



20°

This symbol indicates that the product is adjustable to 20° in two directions

## IP RATING - WHICH RATING DO I NEED?



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



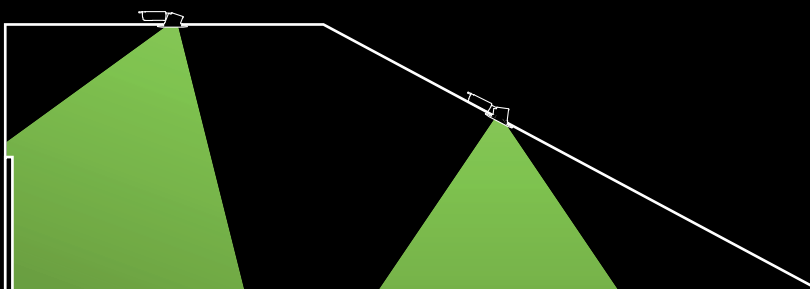
IP65

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

## SYMMETRIC vs ASYMMETRIC

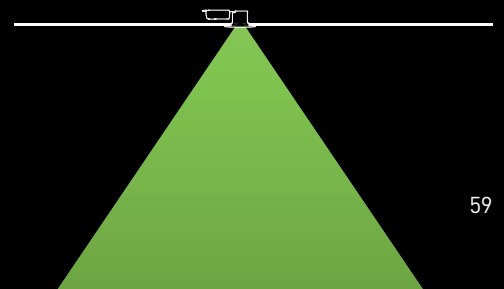
### Asymmetric

Asymmetric downlights are ideal for vaulted ceilings and highlighting features and artwork on walls.



### Symmetric

Symmetric downlights are ideal for horizontal ceilings.





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > 100lm/W+
- > Insulation coverable
- > Uses latest single point source technology to replicate traditional halogen look
- > Mains dimmable as standard
- > Compact integral driver for easy installation
- > Push-fit terminal connector included
- > LED downlight complete with bezel for a straightforward fit

H2 Lite T

Dimmable, fire-rated LED downlight complete with bezel and terminal connector

Suitable for use in bathrooms | 
 Push-fit terminal connector included | 
 Insulation coverable | 
 High efficacy | 
 4-year extended warranty available

55° | 
 4.4W | 
 240V | 
 864-72 | 
 FLICKER FREE | 
 40°C | 
 40°C | 
 DIM | 
 140g | 
 1 | 
 40,000h | 
 35DCM

\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Finish	Product code	CRI	lm	lm/W	lx at 1m
4000K	55°	B / steel	DLT388BS5540	>80Ra	460	105	527
	55°	Matt white	DLT388MW5540	>80Ra	460	105	527
3000K	55°	B / steel	DLT388BS5530	>80Ra	440	100	504
	55°	Matt white	DLT388MW5530	>80Ra	440	100	504

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / plastic insulation protector
Flicker free	Yes
Inrush current	1A 0.25ms
Maximum ceiling thickness	40mm

WIRING

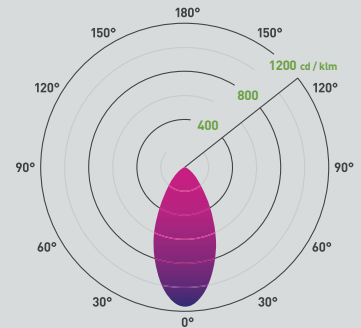
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

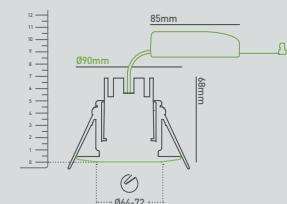
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.8	Yes (mains)	1 (ceiling only)

ACCESSORIES

Product code	Description	
DLCONVERT70	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 55°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
 

A++	LED
A+	
A	
C	
D	

 The lamps cannot be changed in the luminaire.



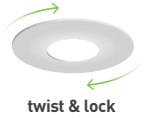


COLLINGWOOD LIGHTING



H2 Pro 550 T shown

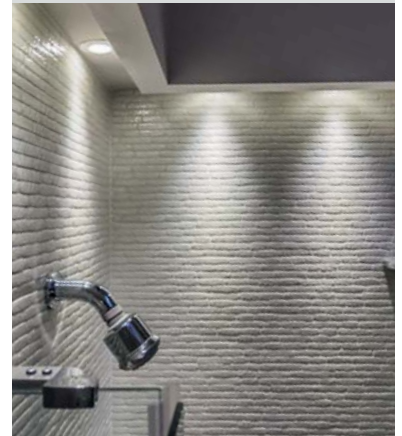
NEW



twist & lock

FEATURES & BENEFITS

- > 100lm/W+\*
- > Only 5.2W\*
- > Mains dimmable as standard
- > Slimline twist & lock bezels (sold separately)
- > Flexible driver position for easy installation
- > Shallow depth of 49mm\*
- > Insulation coverable



H2 Pro 550 | H2 Pro 550 T

Dimmable, fire-rated LED downlight

Suitable for use in bathrooms | 
 Push-fit terminal connector available | 
 Emergency versions available | 
 High efficacy | 
 7-year extended warranty available

| | | | | | | | | |

\* IP65 (front) / IP20 (back) | \* Excluding 2700K | † Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent) ZONE L70, B10

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	EM Product code	W	CRI	lm	lm/W	lx at 1m
4000K	38°	DL35638NW	DLT35638NW	5.2	>80Ra	580	112	1237
	70°	DL35660NW	DLT35660NW	5.2	>80Ra	580	112	496
3000K	38°	DL35638WW	DLT35638WW	5.2	>80Ra	550	106	1173
	70°	DL35660WW	DLT35660WW	5.2	>80Ra	550	106	462
2700K	60°	DL3566027	-	8.5	>80Ra	480	56	325

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DL35638NW becomes DL35638NWEM

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / plastic
Flicker free	Yes
Inrush current	0.9A 0.04ms*
Maximum ceiling thickness	40mm

WIRING

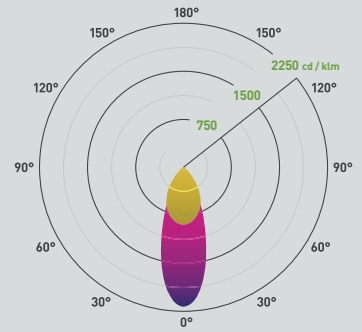
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	30mA	>0.88*	Yes (mains)	1 (ceiling only)

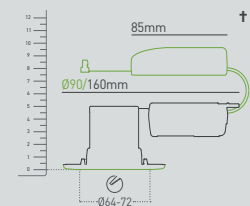
ACCESSORIES

Product code	Description	
H2 Pro range bezels	Round & square H2 Pro bezel options	68
DLCONVERT70	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 38° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **A+** **A** **A** **C** **D** **E** LED

The lamps cannot be changed in the luminaire.

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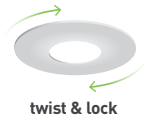
COLLINGWOOD  
LIGHTING



NEW

FEATURES & BENEFITS

- > 100lm/W+
- > Only 5W
- > Mains dimmable as standard
- > Slimline twist & lock bezels (sold separately)
- > Flexible driver position for easy installation
- > Push-fit terminal connector included
- > Shallow depth of 49mm
- > Uses latest single point source technology to replicate traditional halogen look
- > Compatible with all types of insulation



H2 Pro 550 SPS

Single point source, dimmable, fire-rated LED downlight

Suitable for use in bathrooms | 
 Push-fit terminal connector included | 
 Insulation coverable | 
 High efficacy | 
 7-year extended warranty available

\* IP65 (front) / IP20 (back) | \* Ceiling only

ZONE L70, B10 3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	55°	DLT4335540	>80Ra	560	112	516
3000K	55°	DLT4335530	>80Ra	550	110	506

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DLT4335540 becomes DLT4335540**EM**

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / plastic
Flicker free	Yes
Inrush current	1.2A 0.03ms
Maximum ceiling thickness	40mm

WIRING

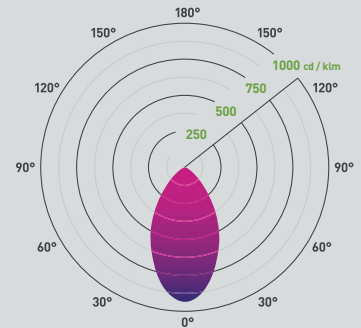
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

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

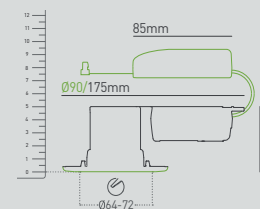
ACCESSORIES

Product code	Description	
H2 Pro range bezels	Round & square H2 Pro bezel options	68
DLCONVERT70	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 55°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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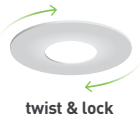




COLLINGWOOD  
LIGHTING



NEW



twist & lock

FEATURES & BENEFITS

- 3 colour temperatures in one product
- Easily choose CCT with standard wall switch or dimmer
- High efficacy 94lm/W (6500K)
- Only 6.4W
- Mains dimmable as standard
- Push-fit terminal connector included
- Slimline twist & lock bezels (sold separately)
- Flexible driver position for easy installation
- Shallow depth of 49mm

H2 Pro 550 CS

Colour switchable, dimmable, fire-rated LED downlight

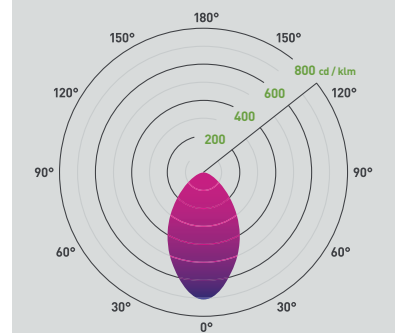
Colour switchable
 Push-fit terminal connector included
 Insulation coverable
 94lm/W High efficacy (6500K)
 7-year extended warranty available

IP65\*
 65°
 6.4W
 240V
 EM
 40°C
 ±40°C
 DIM
 186g
 1\*
 70,000h
 3SDCM

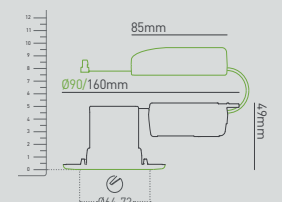
\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)



6500K 4000K 3000K



6500K 65°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

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PHOTOMETRICS @ 25°C						
Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
6500K*	65°	DLT4286500	>80Ra	600	94	486
4000K*	65°		>80Ra	600	94	486
3000K*	65°		>80Ra	575	90	446

\*CCT is chosen by switching wall dimmer / switch

**EMERGENCY PACK SERVICE OPTION** Approx. 25% light output compared to normal running  
For 3hr emergency pack service option suffix partcode with **EM**. e.g. DLT4286500 becomes DLT4286500EM

GENERAL	
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / plastic
Flicker free	Yes
Inrush current	1.1A 0.02ms
Maximum ceiling thickness	40mm

WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

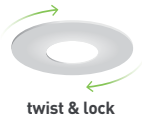
ACCESSORIES		
Product code	Description	
H2 Pro range bezels	Round & square H2 Pro bezel options	68
DLCONVERT70	Converter plate	81
Dimming options	Contact us on 01604 495 151 for more information	



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LIGHTING



NEW



FEATURES & BENEFITS

- High efficacy 107lm/W (4000K)
- Uses latest single source technology to replicate traditional halogen look
- 55° beam angle offers superior vertical illumination and allows for larger spacing between downlights
- High lumen output suitable for high ceilings
- Low profile of only 50mm
- Push-fit terminal connector included
- Stimline twist & lock bezels (sold separately)
- Flexible driver position for easy installation

H2 Pro 700

Dimmable, fire-rated LED downlight

IP65 Suitable for use in bathrooms | 
 T Push-fit terminal connector included | 
 EM Emergency versions available | 
 100lm/W High efficacy | 
 G 7-year extended warranty available

55° | 7W | 240V | 864-72 | 40°C | 40°C | DIM | 360g | 1 | 70,000h | 3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	55°	DLT2425540	>80Ra	750	107	604
3000K	55°	DLT2425530	>80Ra	700	100	564
2700K	55°	DLT2425527	>80Ra	700	100	564

**EMERGENCY PACK SERVICE OPTION** Approx 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information  
 For 3hr emergency pack service option suffix partcode with **EM**. eg. DLT2425540 becomes DLT2425540EM

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / PC V0 Rated
Flicker free	Yes
Inrush current	0.9A 0.03ms
Maximum ceiling thickness	40mm

WIRING

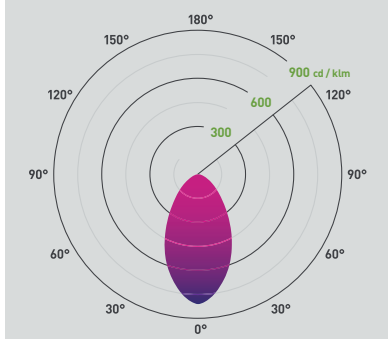
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

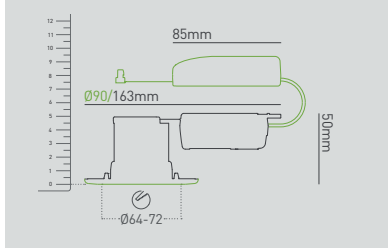
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	33mA	>0.9	Yes (mains)	1 (ceiling only)

ACCESSORIES

Product code	Description	
H2 Pro range bezels	Round & square H2 Pro bezel options	68
DLCONVERT70	Converter plate	81
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 55° Additional diagrams available at collingwoodlighting.com

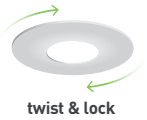


This luminaire contains built-in LED lamps. **A++ A+ A C D E** LED

The lamps cannot be changed in the luminaire.

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FEATURES & BENEFITS

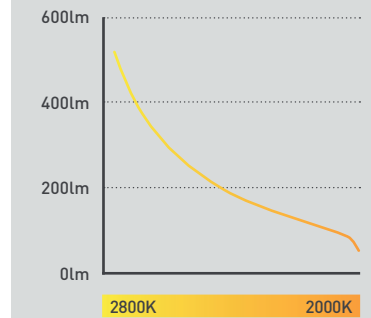
- ▷ Dim to warm technology creates warmer environments by reducing the colour temperature during dimming
- ▷ Uses latest single source technology to replicate traditional halogen look
- ▷ 55° beam angle offers superior vertical illumination and allows for larger spacing between downlights
- ▷ Loop in / loop out push-fit connector
- ▷ Slimline twist & lock bezels (sold separately)
- ▷ Flexible driver position for easy installation

**H2 Pro Dusk**

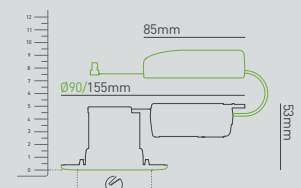
Dim to warm, fire-rated LED downlight with terminal block

- IP65** \* Suitable for use in bathrooms
- T** Loop in / out push-fit connector
- G** 7-year extended warranty available
- DIM WARM** Dim from 2800K to 2000K

- 55°
  - 8.2W
  - 240V
  - 840-70
  - 50°C
  - ±35°C
  - 270g
  - 1
  - 70,000h
  - 3SDCM
- \* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)



**2800-2000K 55°**  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

A+ A A C D E

LED

The lamps cannot be changed in the luminaire.

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PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
2800-2000K	55°	DLT2425528	>80Ra	530	65	490

Photometric data taken when product is at full brightness. Lumen output will be anything between 530 - 50 when dimmed.

**EMERGENCY PACK SERVICE OPTION** Approx 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. eg. DLT2425528 becomes DLT2425528**EM**

**GENERAL**

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	15.5A 0.2ms
Maximum ceiling thickness	40mm

**WIRING**

Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

**LED DRIVERS**

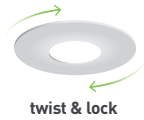
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	36mA	0.96	Yes (mains)	1 (ceiling only)

**ACCESSORIES**

Product code	Description	
H2 Pro range bezels	Round & square H2 Pro bezel options	68
DLCONVERT70	Converter plate	81
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



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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

H2 Pro Elect

Low glare, dimmable, fire-rated LED downlight with push-fit terminal connector

Suitable for use indoors    
 Push-fit terminal connector included    
 Low Unified Glare Rating    
 7-year extended warranty available    
 Dim from 2800K to 2000K available

45°    
 8.5W    
 240V    
 864-72    
  $\pm 50^{\circ}\text{C}$     
 40°C    
 DIM    
 240g    
 70,000h    
 L70, B10    
 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	DLT4074540	8.5	>80Ra	640	75	1077
3000K	45°	DLT4074530	8.5	>80Ra	600	71	1009
2800K-2000K	45°	DLT4074528	8.2	>80Ra	380*	46*	588*

\*Dim to warm photometric data taken when product is at full brightness. Lumen output will be anything between 380 - 50 when dimmed.

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DLT4074540 becomes DLT4074540**EM**

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	1.4A 0.04ms
Maximum ceiling thickness	40mm

WIRING

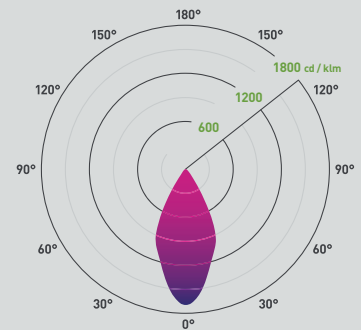
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	36mA	0.95	Yes (mains)	-

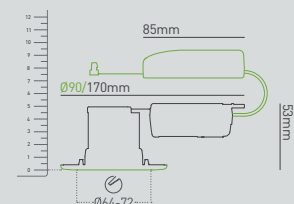
ACCESSORIES

Product code	Description	
H2 Pro range bezels	Round & square H2 Pro bezel options	68
DLCONVERT70	Converter plate	81
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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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

## H2 Pro Elect Trimless

Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight

- IP20** Suitable for use indoors
- UGR 14** Low Unified Glare Rating
- G** 7-year extended warranty available
- DIM WARM** Dim from 3000K to 1800K available

- 45°
- 8.5W
- 240V
- 064
- <math>\leq 50^{\circ}\text{C}</math>
- <math>\pm 40^{\circ}\text{C}</math>
- DIM
- 240g
- 70,000h
- L70, B10
- 3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	DL4094540	8.5	>80Ra	700	82	1178
3000K	45°	DL4094530	8.5	>80Ra	650	76	1094
3000K-1800K	45°	DL4094528	7	>90Ra	380*	54*	588*

\*Dim to warm photometric data taken when product is at full brightness. Lumen output will be anything between 380 - 50 when dimmed.

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DL4094540 becomes DL4094540EM

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	1.4A 0.04ms
Maximum ceiling thickness	40mm

WIRING

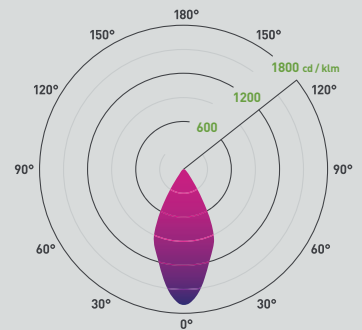
Cable / flying lead	0.15m (Class II, complete with GST first fix connector)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	39mA	>0.95	Yes (mains)	-

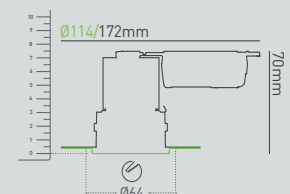
ACCESSORIES

Product code	Description	
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**A+**  
**A**  
**A**  
**C**  
**D**  
**E**

**LED**

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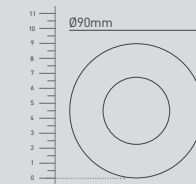


COLLINGWOOD  
LIGHTING

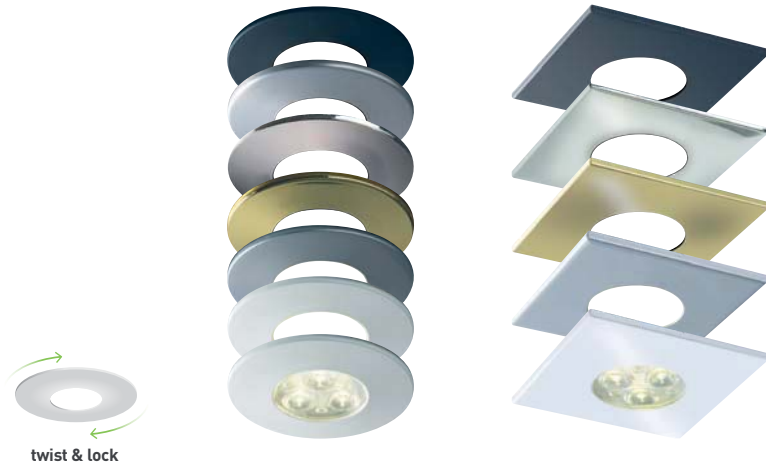
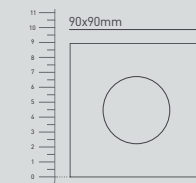
## FEATURES & BENEFITS

- › 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



### Square Bezel



twist & lock

## H2 Pro bezels

Bezel options for H2 Pro range



Covered as part of the  
H2 Pro range warranty

### PRODUCT DATA

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

### GENERAL

Construction material      Plastic



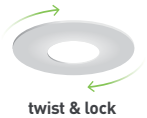




COLLINGWOOD  
LIGHTING



NEW



twist & lock

FEATURES & BENEFITS

- ±20° adjustable 5.2W downlight
- High efficacy 106lm/W+
- Slimline twist & lock bezels (sold separately)
- Shallow depth of 50mm
- Insulation coverable

H4 Pro 550

±20° adjustable, dimmable, fire-rated LED downlight with push-fit terminal connector

Suitable for use in bathrooms  
 Push-fit terminal connector included  
 Insulation coverable  
 High efficacy  
 7-year extended warranty available

38°/70°  
 5.2W  
 240V  
 20°  
 88-92  
 EM  
 40°C  
 1/40°C  
 DIM  
 250g  
 1  
 70,000h  
 3SDCM  
 \* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)  
 ZONE L70, B10

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	DLT4353840	>80Ra	580	112	1237
	70°	DLT4357040	>80Ra	580	112	496
3000K	38°	DLT4353830	>80Ra	550	106	1173
	70°	DLT4357030	>80Ra	550	106	462

**EMERGENCY PACK SERVICE OPTION** Approx. 25% light output compared to normal running. Refer to LEDEP07 specification sheet for more information  
 For 3hr emergency pack service option suffix partcode with **EM**. e.g. DLT4353840 becomes DLT4353840**EM**

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / PC VO rated
Flicker free	Yes
Inrush current	0.9A 0.04ms
Maximum ceiling thickness	40mm

WIRING

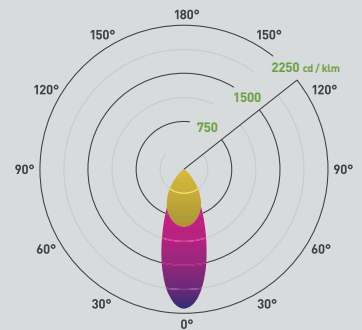
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

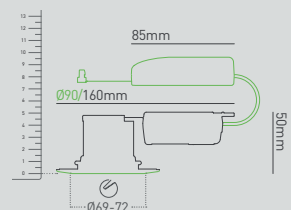
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	30mA	>0.88	Yes (mains)	1 (ceiling only)

ACCESSORIES

Product code	Description	
H4 Pro range bezels	Round H4 Pro bezel options	73
DLCONVERT70	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 70° / 4000K 38°  
 Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **LED**

The lamps cannot be changed in the luminaire.

874/2012



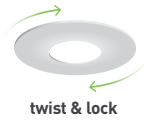
COLLINGWOOD  
LIGHTING



NEW

FEATURES & BENEFITS

- > ±20° adjustable 5W downlight to adjust direction of light
- > 110lm/W+
- > Slimline twist & lock bezels (sold separately)
- > Shallow depth of 50mm
- > Life of LED: 70,000hrs (L70, B10)
- > Insulation coverable
- > Uses single point source technology to replicate traditional halogen look
- > Flexible driver position for easy installation



H4 Pro 550 SPS

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

Suitable for use in bathrooms | 
 Push-fit terminal connector included | 
 Insulation coverable | 
 High efficacy | 
 7-year extended warranty available

55° | 
 5W | 
 240V | 
 20° | 
 EM | 
 809-72 | 
 50°C | 
 40°C | 
 DIM | 
 240Ω | 
 1 | 
 70,000h | 
 3SDCM

\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K 55°	DLT4365540	>80Ra	560	112	516
3000K 55°	DLT4365530	>80Ra	550	110	506

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. eg. DLT4365540 becomes DLT4365540**EM**

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / PC V0 Rated
Flicker free	Yes
Inrush current	1.2A 0.03ms
Maximum ceiling thickness	40mm

WIRING

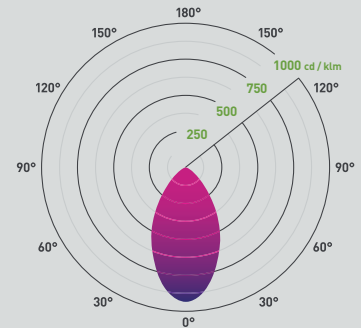
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	25mA	>0.86	Yes (mains)	1 (ceiling only)

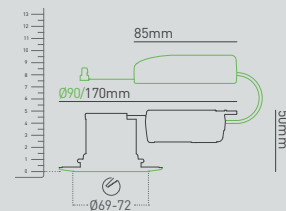
ACCESSORIES

Product code	Description	
H4 Pro range bezels	Round H4 Pro bezel options	73
DLCONVERT70	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 55°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

LED

874/2012

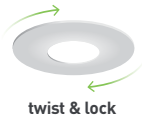




COLLINGWOOD  
LIGHTING



NEW



FEATURES & BENEFITS

- › ±20° adjustable 7W downlight
- › High efficacy 107lm/W (4000K)
- › Uses single point source technology to replicate traditional halogen look
- › 55° beam angle offers superior vertical 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

H4 Pro 700

±20° adjustable, dimmable, fire-rated LED downlight with push-fit terminal connector

IP65 Suitable for use in bathrooms | 
 T Push-fit terminal connector included | 
 100lm/W High efficacy | 
 EM Emergency versions available | 
 G 7-year extended warranty available

55° 7W 240V 20° 86±72 40°C 40°C DIM 240h 1 70,000h 3SDCM

\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)      ZONE L70, B10

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	55°	DLT4435540	>80Ra	750	107	604
3000K	55°	DLT4435530	>80Ra	700	100	564
2700K	55°	DLT4435527	>80Ra	700	100	564

EMERGENCY PACK SERVICE OPTION

Approx 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM** e.g. DLT4435540 becomes DLT4435540**EM**

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / PC VO rated
Flicker free	Yes
Inrush current	0.9A 0.03ms
Maximum ceiling thickness	40mm

WIRING

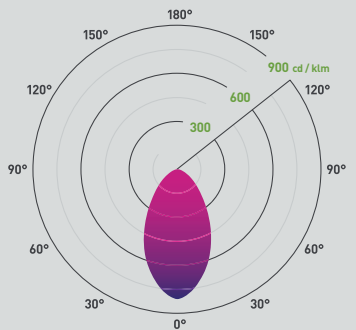
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	33mA	>0.9	Yes (mains)	1 (ceiling only)

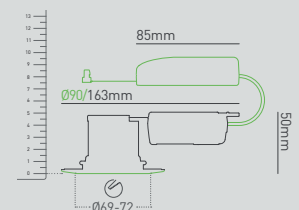
ACCESSORIES

Product code	Description	
H4 Pro range bezels	Round H4 Pro bezel options	73
DLCONVERT70	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 55°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A+ (LED)

874/2012

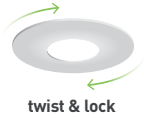
All specifications are believed to be valid at the time of going to print and are subject to change without notice. Allow for ±5% tolerance on all photometric data.



COLLINGWOOD  
LIGHTING



NEW



twist & lock

FEATURES & BENEFITS

- > ±20° adjustable downlight
- > Low glare downlight - UGR 14
- > 45° beam angle for wide illumination
- > 56mm product depth and hinged driver allows for easy installation
- > Push-fit terminal connector included
- > Slimline twist & lock bezels (sold separately)
- > Dim to warm option available

H4 Pro Elect

±20° adjustable, low glare, dimmable, fire-rated LED downlight with push-fit terminal connector

IP20 Suitable for use indoors  
 T Push-fit terminal connector included  
 UGR 14 Low Unified Glare Rating  
 G 7-year extended warranty available  
 DIM WARM Dim from 3000K to 1800K available

45°  
 8.5W  
 240V  
 ±20°  
 80%-72%  
 <50°C  
 ~40°C  
 DIM  
 275lm  
 70,000h  
 L70, B10  
 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	DLT4414540	8.5	>80Ra	700	82	1178
3000K	45°	DLT4414530	8.5	>80Ra	650	76	1094
3000K-1800K	45°	DLT4414528	7	>90Ra	380*	54*	588*

\*Dim to warm photometric data taken when product is at full brightness. Lumen output will be anything between 380 - 50 when dimmed.

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM** e.g. DLT4414540 becomes DLT4414540**EM**

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	1.4A 0.04ms
Maximum ceiling thickness	40mm

WIRING

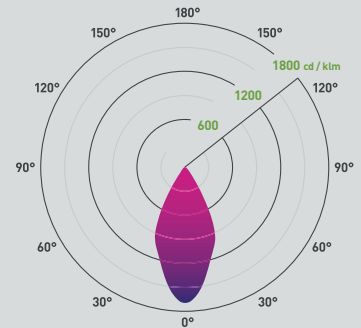
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	40mA	0.95	Yes (mains)	-

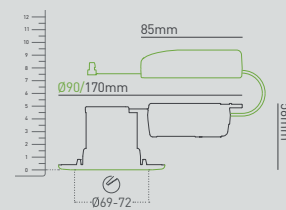
ACCESSORIES

Product code	Description	
H4 Pro range bezels	Round H4 Pro bezel options	73
DLCONVERT70	Converter plate	81
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

LED

A++  
A+  
A  
B  
C  
D  
E

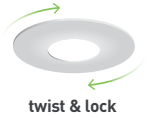
The lamps cannot be changed in the luminaire.

874/2012



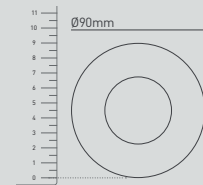


COLLINGWOOD  
LIGHTING



## 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



## H4 Pro bezels

Bezel options for H4 Pro range



Covered as part of the  
H4 Pro range warranty

### PRODUCT DATA

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

### GENERAL

Construction material      Plastic

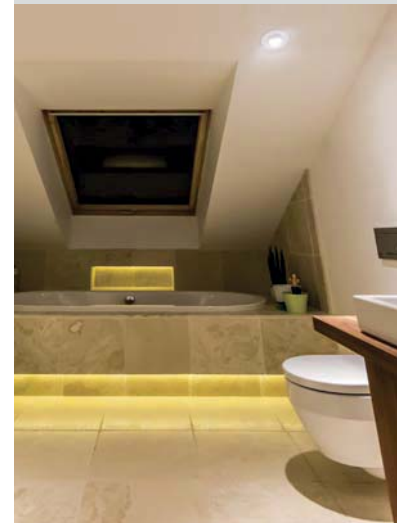


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Only 8.5W
- > Life of LED: 70,000hrs (L70, B10)
- > Fully adjustable 'Eyeball' fitting allows change of light direction



H4 Eyeball

Adjustable fire-rated LED downlight

Suitable for use in bathrooms | 
 Loop in / out push-fit connector available | 
 Emergency versions available | 
 Flicker-free | 
 7-year extended warranty available

\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10 3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Finish	Product code	Product code	CRI	lm	lm/W	lx at 1m
● 4000K	38°	B / steel	DL185BSNWDIM	DLT185BSNWDIM	>80Ra	565	66	1700
	38°	Chrome	DL185CRNWDIM	DLT185CRNWDIM	>80Ra	565	66	1700
	38°	Gloss white	DL185WHNWDIM	DLT185WHNWDIM	>80Ra	565	66	1700
● 3000K	38°	B / steel	DL185BSWWDIM	DLT185BSWWDIM	>80Ra	530	62	1500
	38°	Chrome	DL185CRWWDIM	DLT185CRWWDIM	>80Ra	530	62	1500
	38°	Gloss white	DL185WHWWDIM	DLT185WHWWDIM	>80Ra	530	62	1500

EMERGENCY PACK SERVICE OPTION Approx. 25% light output compared to normal running. Refer to LEDEP05 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DL185BSNWDIM becomes DL185BSNWEM

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	15A 0.5ms
Maximum ceiling thickness	40mm

WIRING

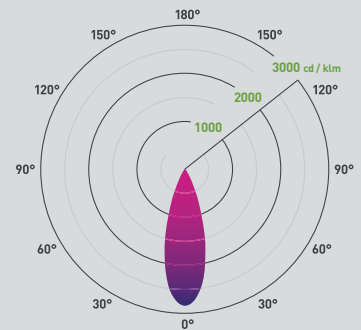
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

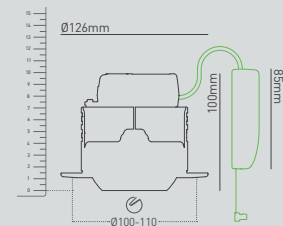
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.95	Yes (mains)	1 (ceiling only)

ACCESSORIES

Product code	Description	
DLCONVERT98	Converter plate	81
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 38° Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
 

A++	LED
A+	
A	
C	
D	

 The lamps cannot be changed in the luminaire.

COLLINGWOOD LIGHTING 874/2012





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

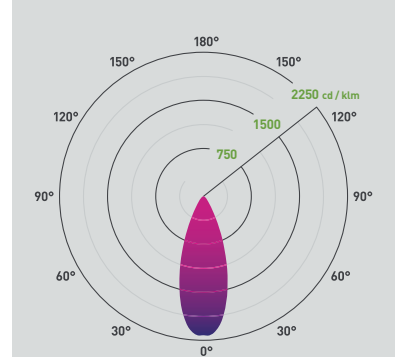
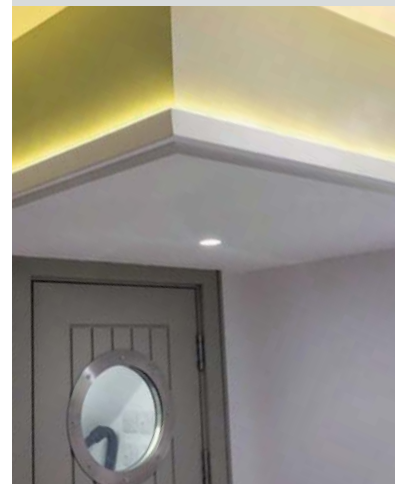
- > 100lm/W+
- > Only 5.5W
- > Mains dimmable as standard
- > Plaster-in downlight
- > Recessed fitting for lower glare rating
- > Flexible driver position for easy installation

H5 Trimless

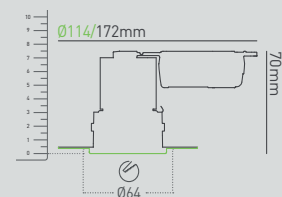
Plaster-in, trimless, dimmable, fire-rated LED downlight

Suitable for use in bathrooms | 
 High efficacy | 
 7-year extended warranty available

\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent) ZONE L70, B10 35DCM



4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

COLLINGWOOD LIGHTING 874/2012

PHOTOMETRICS @ 25°C						
Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	DL282WHNWDIM	>80Ra	580	105	1241
3000K	38°	DL282WHWWDIM	>80Ra	550	100	1177

GENERAL	
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / plastic
Flicker free	Yes
Inrush current	0.9A 0.05ms
Maximum ceiling thickness	40mm

WIRING	
Cable / flying lead	0.15m (Class II, complete with GST first fix connector)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

ACCESSORIES		
Product code	Description	
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Low glare
- › Only 8.5W
- › Life of LED: 70,000hrs (L70, B10)
- › Flexible driver position for easy installation



H5 500 Symmetric

Low glare fire-rated LED downlight



Suitable for use in bathrooms



Loop in/out push-fit connector available



Emergency versions available



Flicker-free



7-year extended warranty available



\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10

3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Finish	Product code	Product code	CRI	lm	lm/W	lx at 1m
4000K	40°	B / steel	DL284BSNWDIM	DLT284BSNWDIM	>80Ra	565	66	1600
	40°	Gloss white	DL284WHNWDIM	DLT284WHNWDIM	>80Ra	565	66	1600
3000K	40°	B / steel	DL284BSWWDIM	DLT284BSWWDIM	>80Ra	530	62	1300
	40°	Gloss white	DL284WHWWDIM	DLT284WHWWDIM	>80Ra	530	62	1300

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running. Refer to LEDEP05 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DL284BSNWDIM becomes DL284BSNWEM

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	15A 0.5ms
Maximum ceiling thickness	40mm

WIRING

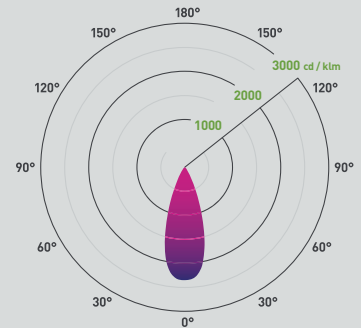
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core Cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

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

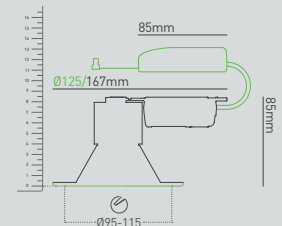
ACCESSORIES

Product code	Description	
DLCONVERT98	Converter plate	81
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

**A++**  
**A+**  
**A**  
**B**  
**C**  
**D**  
**E**

LED

The lamps cannot be changed in the luminaire.

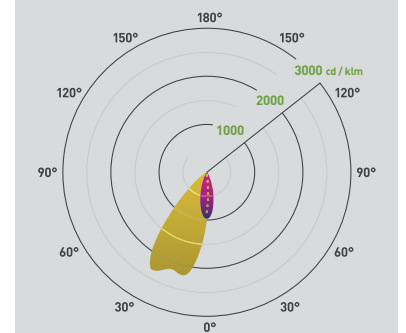
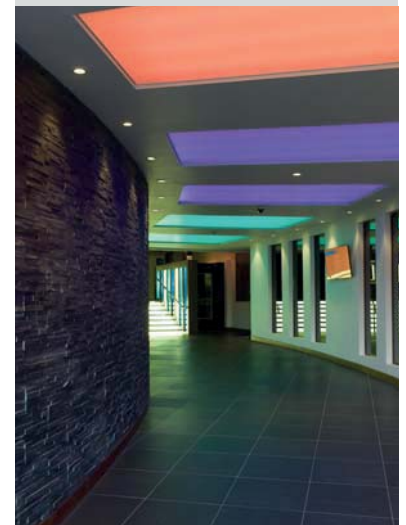
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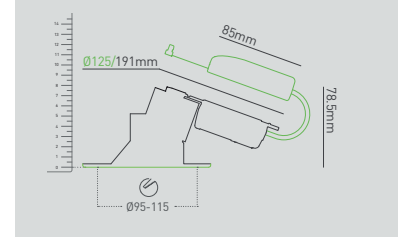



### FEATURES & BENEFITS

- › Low glare
- › Only 8.5W
- › 20° fixed tilt
- › Life of LED: 70,000hrs (L70, B10)
- › Flexible driver position for easy installation



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





This luminaire contains built-in LED lamps.

A+

A

A

B

C


D

E

}

LED

The lamps cannot be changed in the luminaire.













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## H5 500 Asymmetric

Low glare fire-rated LED downlight

-  IP65\* Suitable for use in bathrooms
-  T Loop in/out push-fit connector available
-  EM Emergency versions available
-  FLICKER FREE Flicker-free
-  G 7-year extended warranty available

-  40°
  -  8.5W
  -  240V
  -  IP65-115
  -  40°C
  -  1/40°C
  -  DIM
  -  440g
  -  1
  -  70,000h
  -  3SDCM
- \* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C								
Colour	Beam angle	Finish	Product code	Product code	CRI	lm	lm/W	lx at 1m
4000K	40°	B / steel	DL283BSNWDIM	DLT283BSNWDIM	>80Ra	565	66	1300
	40°	Chrome	DL283CRNWDIM†	DLT283CRNWDIM†	>80Ra	565	66	1300
	40°	Gloss white	DL283WHNWDIM	DLT283WHNWDIM	>80Ra	565	66	1300
3000K	40°	B / steel	DL283BSWWDIM	DLT283BSWWDIM	>80Ra	530	62	1220
	40°	Chrome	DL283CRWWDIM†	DLT283CRWWDIM†	>80Ra	530	62	1220
	40°	Gloss white	DL283WHWWDIM	DLT283WHWWDIM	>80Ra	530	62	1220

† While stocks last

**EMERGENCY PACK SERVICE OPTION** Approx. 25% light output compared to normal running. Refer to LEDEP05 specification sheet for more information

For 3hr emergency pack service option suffix partcode with **EM**. e.g. DL283BSNWDIM becomes DL283BSNWEM

GENERAL	
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	15A 0.5ms
Maximum ceiling thickness	40mm

WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core Cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

ACCESSORIES		
Product code	Description	
DLCONVERT98	Converter plate	81
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- Low glare
- Only 16W
- Life of LED: 70,000hrs (L70, B10)
- Flexible driver position for easy installation
- Brighter than a 75W AR111 halogen and 50W halogen. Ideal for high ceilings
- Wide beam for even illumination. Allows for greater spacing between luminaires

H5 1000 Symmetric

Low glare fire-rated LED downlight



Suitable for use in bathrooms



Loop in/out push-fit connector available



Flicker-free



7-year extended warranty available



\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10

3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Finish	Product code	Product code	CRI	lm	lm/W	lx at 1m
4000K	80°	B / steel	DL292BSNW	DLT292BSNW	>80Ra	980	61	1030
	80°	Gloss white	DL292WHNW	DLT292WHNW	>80Ra	980	61	1030
3000K	80°	B / steel	DL292BSWW	DLT292BSWW	>80Ra	960	60	970
	80°	Gloss white	DL292WHWW	DLT292WHWW	>80Ra	960	60	970

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	20A 0.05ms
Maximum ceiling thickness	40mm

WIRING

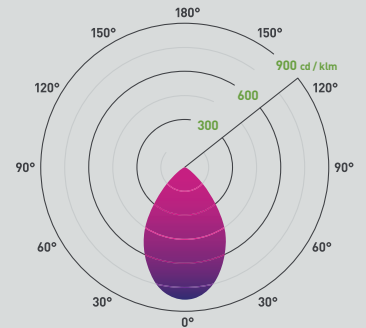
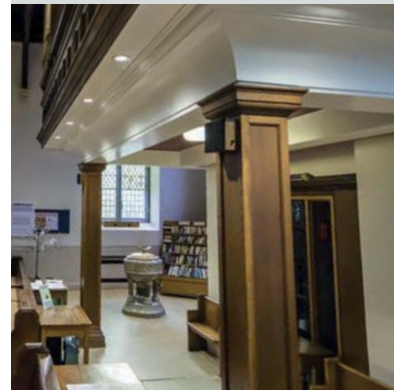
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

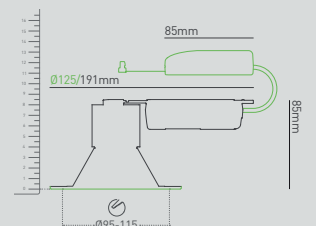
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.95	Yes (mains)	1 (ceiling only)

ACCESSORIES

Product code	Description	
DLCONVERT98	Converter plate	81
LEDEP360	3hr emergency pack (not compatible with 'T' version)	87
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 80°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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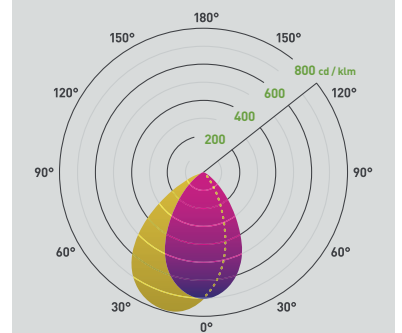


COLLINGWOOD  
LIGHTING

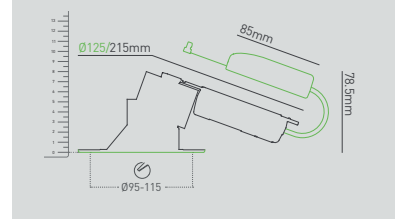


FEATURES & BENEFITS

- › Low glare
- › Only 16W
- › 20° fixed tilt
- › Life of LED: 70,000hrs (L70, B10)
- › Flexible driver position for easy installation
- › Brighter than a 75W AR111 halogen and 50W halogen. Ideal for high ceilings
- › Wide beam for even illumination. Allows for greater spacing between luminaires



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **A++** **A+** **A** **C** **D** **E** } LED

The lamps cannot be changed in the luminaire.

COLLINGWOOD LIGHTING 874/2012

H5 1000 Asymmetric

Low glare fire-rated LED downlight



Suitable for use in bathrooms



Loop in / out push-fit connector available



Flicker-free



7-year extended warranty available



\* IP65 (front) / IP20 (back) | \* Ceiling only | Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Finish	Product code	Product code	CRI	lm	lm/W	lx at 1m
4000K	80°	B / Steel	DL291BSNW	DLT291BSNW	>80Ra	980	61	870
	80°	Gloss white	DL291WHNW	DLT291WHNW	>80Ra	980	61	870
3000K	80°	B / Steel	DL291BSWW	DLT291BSWW	>80Ra	960	60	800
	80°	Gloss white	DL291WHWW	DLT291WHWW	>80Ra	960	60	800

GENERAL

Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / aluminium
Flicker free	Yes
Inrush current	20A 0.05ms
Maximum ceiling thickness	40mm

WIRING

Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

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

ACCESSORIES

Product code	Description	
DLCONVERT98	Converter plate	81
LEDEP360	3hr emergency pack (not compatible with 'T' version)	87
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	83
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › High efficacy, 100lm/W+ (4000K)
- › Wide 100° beam angle for broad consistent illumination
- › Suitable for bathroom zone 2
- › Mains dimmable
- › Replaces 2 x 26W CFL fittings
- › High powered, equivalent to 100W AR111

H6 Lite

Dimmable commercial LED downlight

Splashproof    
 High efficacy    
 5-year extended warranty available

100°    
 31W    
 240V    
 8201-3055    
 40°C    
 140°C    
 850g    
 2    
 50,000h    
 35DCM

\* 4000K only     ZONE     35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Finish	Product code	CRI	lm	lm/W	lx at 1m
4000K	100°	Matt white	DL800MW10040	>80Ra	3350	108	1390
3000K	100°	Matt white	DL800MW10030	>80Ra	3010	97	1249

GENERAL

Building regulations	Part P (electrical safety) & L (conservation of energy - 2014 regulations)
Construction material	Aluminium
Flicker free	Yes
Inrush current	6.2A 0.05ms
Maximum ceiling thickness	15mm (max)

WIRING

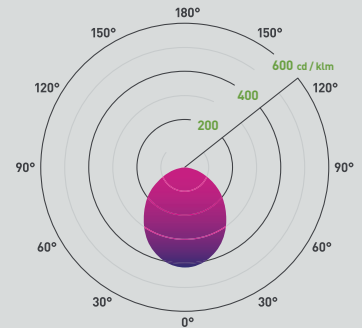
Cable / flying lead	N/A (integrated SELV driver)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

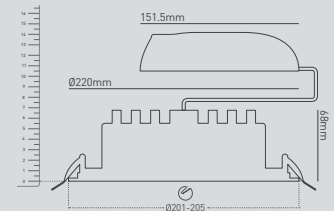
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.91	Yes (mains)	2 (ceiling only)

ACCESSORIES

Product code	Description	
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82
DL801	Converter plate	81



4000K 100°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
   
  
 The lamps cannot be changed in the luminaire.
   
 874/2012





COLLINGWOOD  
LIGHTING

DL/CONVERT | DLCONVERT70  
H2 Pro / H4 Pro / H2 Lite sold separately



DLCONVERT98  
H5 500 / H5 1000 / H4 Eyeball sold separately



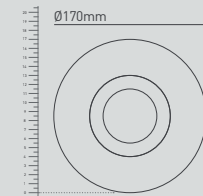
DL801  
H6 Lite sold separately



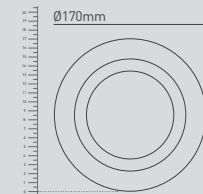
FEATURES & BENEFITS

> DL/CONVERT / DLCONVERT70 / DLCONVERT98 supplied with additional springs for holes up to 150mm

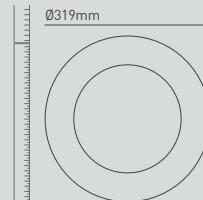
DL/CONVERT | DLCONVERT70



DLCONVERT98



DL801



DLCONVERT

Hole converter plates for the downlight range



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

PRODUCT DATA

Finish	Product code	Description	Cut-out (mm)
Black	DL/CONVERTBLK	Retrofit of H2 Pro 550 into holes up to Ø150mm	60 - 150
Brushed steel	DLCONVERT70BS	Retrofit of H2 Pro / H4 Pro / H2 Lite into holes up to Ø150mm	70 - 150
	DLCONVERT98BS	Retrofit of H4 Eyeball / H5 500 / H5 1000 into holes up to Ø150mm	98 - 150
Chrome	DL/CONVERTCR	Retrofit of H2 Pro 550 into holes up to Ø150mm	60 - 150
	DLCONVERT70CR	Retrofit of H2 Pro / H4 Pro / H2 Lite into holes up to Ø150mm	70 - 150
	DLCONVERT98CR	Retrofit of H4 Eyeball / H5 500 / H5 1000 into holes up to Ø150mm	98 - 150
Polished gold	DLCONVERT70PG	Retrofit of H2 Pro / H4 Pro / H2 Lite into holes up to Ø150mm	60 - 150
Silver	DL/CONVERTSIL	Retrofit of H2 Pro 550 into holes up to Ø150mm	60 - 150
Gloss white	DLCONVERT70WH	Retrofit of H2 Pro / H4 Pro / H2 Lite into holes up to Ø150mm	70 - 150
	DLCONVERT98WH	Retrofit of H4 Eyeball / H5 500 / H5 1000 into holes up to Ø150mm	98 - 150
Matt white	DLCONVERT70MW	Retrofit of H2 Pro / H4 Pro / H2 Lite into holes up to Ø150mm	70 - 150
	DL801MW	Retrofit of H6 Lite into holes up to Ø290mm	240 - 290

GENERAL

Construction material	Mild steel
Maximum ceiling thickness	DL/CONVERT, DLCONVERT70 & DLCONVERT98: 35mm DL801: 20mm



NEW

8 x grid adaptors



NEW

**DM298GRID**  
LED mains grid dimmer

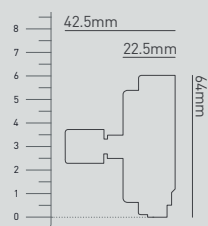


Product code	DM298GRID
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adaptors	White adaptors for Hamilton, MK, BG, Crabtree, Schneider, DETA, Hager & Wandsworth grid ranges
Mains supply voltage	240V AC
Mains supply voltage range	230V AC - 240V AC
Mains supply frequency	50 / 60Hz
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 <sup>2</sup> max.
Back box depth	35mm min.
Guarantee	1-year

USE IN CONJUNCTION WITH

H2 Lite	60
H2 Pro 550 (T)	61
H2 Pro 550 SPS	62
H2 Pro 700	64
H2 Pro Dusk	65
H2 Pro Elect	66
H2 Pro Elect Trimless	67
H4 Pro 550	69
H4 Pro 550 SPS	70
H4 Pro 700	71
H4 Pro Elect	72
H4 Eyeball	74
H5 Trimless	75
H5 500 Symmetric	76
H5 500 Asymmetric	77
H5 1000 Symmetric	78
H5 1000 Asymmetric	79
H6 Lite	80
DL201	88
DL120 / DL130	94
FIBRE LED LIGHT	92
RL111	95
DM02	98

- > Compatible with the downlight range
- > Minimum brightness can be adjusted
- > Minimum depth of pattress box: 35mm
- > Complete with ring nut and white plastic dimmer knob
- > Complete with white plastic grid plates
- > BS EN 60669-2-1
- > 10 LED units max.



**DM298FP**  
Faceplate dimmer

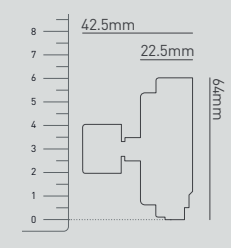


Product Code	DM298FP
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adaptors	-
Mains supply voltage	240V AC
Mains supply voltage range	230V AC - 240V AC
Mains supply frequency	50 / 60Hz
Load type	LED dimmable driver only
Minimum load capacity	5W
Maximum load capacity	100W / 10 LED units max.
Phase firing	Trailing edge dimming
Connection terminals	3mm <sup>2</sup> max.
Back box depth	35mm min.
Guarantee	1-year

USE IN CONJUNCTION WITH

H2 Lite	60
H2 Pro 550 (T)	61
H2 Pro 550 SPS	62
H2 Pro 700	64
H2 Pro Dusk	65
H2 Pro Elect	66
H2 Pro Elect Trimless	67
H4 Pro 550	69
H4 Pro 550 SPS	70
H4 Pro 700	71
H4 Pro Elect	72
H4 Eyeball	74
H5 Trimless	75
H5 500 Symmetric	76
H5 500 Asymmetric	77
H5 1000 Symmetric	78
H5 1000 Asymmetric	79
H6 Lite	80
DL201	88
DL120 / DL130	94
FIBRE LED LIGHT	92
RL111	95
DM02	98

- > Compatible with the downlight range
- > Minimum brightness can be adjusted
- > Minimum depth of pattress box: 35mm
- > Complete with ring nut and white plastic dimmer knob
- > BS EN 60669-2-1
- > 10 LED units max.





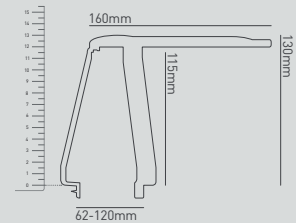


COLLINGWOOD  
LIGHTING



## FEATURES & BENEFITS

- > Ensures safety distance between the downlight and insulation material
- > Improves life span and reliability of downlights
- > Sold in packs of 5



## SPOTCLIP-III

Insulation cover cap for recessed downlights

**1 yr** 1 year guarantee



### GENERAL

Product code	14800121
Construction material	Polyamide 6.6, heat stabilised (PA66HS)

### USE IN CONJUNCTION WITH

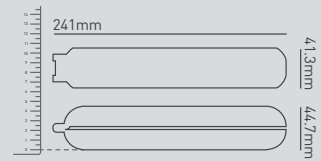
Product	Description	
H2 Pro 700	Dimmable, fire-rated LED downlight	64
H2 Pro Dusk	Dim to warm, fire-rated LED downlight with push-fit terminal connector	65
H2 Pro Elect	Low glare, dimmable, fire-rated LED downlight with push-fit terminal connector	66
H2 Pro Elect Trimless	Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight	67
H4 Pro 700	Adjustable, dimmable, fire-rated LED downlight with push-fit terminal connector	71
H4 Pro Elect	±20° adjustable, low glare, dimmable, fire-rated LED downlight	72
H4 Eyeball	Adjustable, fire-rated LED downlight	74
H5 Trimless	Plaster-in, trimless, dimmable, fire-rated LED downlight	75
H5 500 Symmetric	Low glare, fire-rated LED downlight	76
H5 500 Asymmetric	Low glare, fire-rated LED downlight	77
H5 1000 Symmetric	Low glare, fire-rated LED downlight	78
H5 1000 Asymmetric	Low glare, fire-rated LED downlight	79



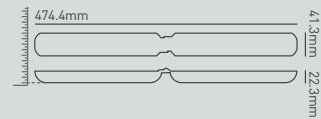
FEATURES & BENEFITS

- › 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

LED emergency pack for maintained lighting assembly - 3hr minimum emergency lighting

**IP20** Suitable for use indoors

**3yr** 3-year guarantee on LED driver

**1yr** 1-year guarantee on battery

**55°C** Max. ambient temperature

**SELV** Safety Extra Low Voltage

**420g** Weight

ELECTRICAL CHARACTERISTICS

Product code	W	Input (mA)	Input (V)	Output (mA)	Output (V)
LEDEP06	3	40 maximum	220V-240V 50-60Hz	4 - 470	6 - 55

GENERAL

Double insulation	Yes
Case temperature (tc = °C)	70
Inrush current	20A 0.012ms

WIRING

Connection output	Terminals
Input cable required	0.2 - 1.5mm <sup>2</sup>

EMERGENCY PACK SERVICE OPTION

Approx. 25% light output compared to normal running

For full product codes of pre-wired emergency pack service option see relevant specification sheet

Product	Description	
H2 Pro 550 SPS	Single point source, dimmable, fire-rated LED downlight	62
H2 Pro 550 CS*	Colour switchable, dimmable, fire-rated LED downlight	63
H2 Pro 700	Dimmable, fire-rated LED downlight	64
H2 Pro Dusk	Dim to warm, fire-rated LED downlight	65
H2 Pro Elect	Low glare, dimmable, fire-rated LED downlight	66
H2 Pro Elect Trimless	Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight	67
H4 Pro 550 SPS	Adjustable, single point source, dimmable, fire-rated LED downlight	70
H4 Pro 700	Adjustable, dimmable fire-rated LED downlight	71
H4 Pro Elect	Adjustable, low glare, dimmable, fire-rated LED downlight	72
H4 Eyeball	Adjustable, fire-rated LED downlight	74
H5 500 Symmetric	Low glare, fire-rated LED downlight	76
H5 500 Asymmetric	Low glare, fire-rated LED downlight	77

\*3000K when operating in emergency mode

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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COLLINGWOOD  
LIGHTING



## 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

## LEDEP07

LED emergency pack for maintained lighting assembly - 3hr minimum emergency lighting

IP20

Suitable for use indoors

3yr 1yr

3-year guarantee on LED driver  
1-year guarantee on battery

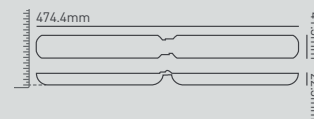
±55°C

420g

### LEDEP07 folded



### LEDEP07 unfolded



### ELECTRICAL CHARACTERISTICS

Product code	W	Input (mA)	Input (V)	Output (mA)	Output (V)
LEDEP07*	3	40 maximum	220V-240V 50-60Hz	8 - 60	50 - 200

\* Must be purchased as part of Collingwood's pre-assembled emergency pack service, see relevant product page

### GENERAL

Double insulation	Yes
Case temperature (tc = °C)	70
Inrush current	20A 0.012ms

### WIRING

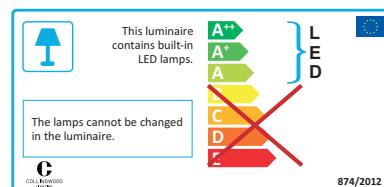
Connection output	Terminals
Flying leads	300mm 2-core 0.75mm <sup>2</sup>

### EMERGENCY PACK SERVICE

Approx. 25% light output compared to normal running

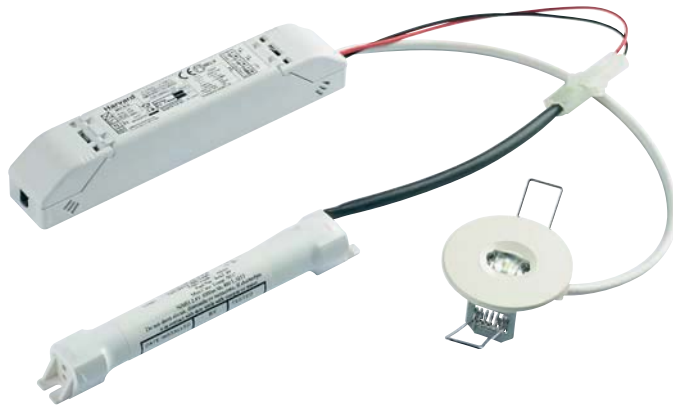
For full product codes of pre-wired emergency pack service see relevant specification sheet

Product	Description	
H2 Pro 550	Dimmable, fire-rated LED downlight	61
H4 Pro 550	Adjustable, dimmable fire-rated LED downlight	69





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Light distribution ideally designed for corridors
- › Integral driver with 3hr emergency battery pack
- › Single LED module

LEDEM01  
LED emergency module

**IP20** Suitable for use indoors  
**5 yr 1 yr** 5 year guarantee on LED driver  
 1 year guarantee on battery



L70, B10

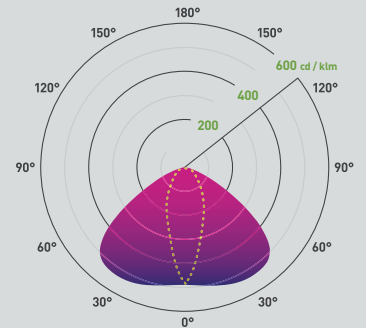
PHOTOMETRICS @ 25°C

Colour	Beam	Finish	Product code	W	CRI	lm	lm/W	lx at 1m
6500K	Axial: 50° Transverse: 118°	White	LEDEM01	2	>80Ra	120	60	60

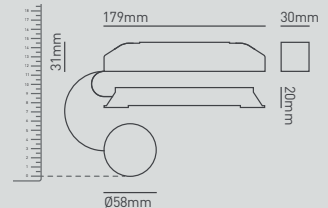
Mounting height (m)	A	B	C	D	E
2.00	1.62	4.50	3.93	2.27	0.93
2.50	1.88	4.58	4.05	2.55	1.01
3.00	2.18	4.86	4.52	2.67	1.03
3.50	2.36	5.47	5.04	2.83	1.00
4.00	2.70	6.03	5.57	2.91	1.07

- A** Distance from LED unit to wall - unit mounted transversely.
- B** Distance between LED units - both units mounted transversely.
- C** Distance between LED units - one mounted transversely, the other mounted axially.
- D** Distance between LED units - both units mounted axially.
- E** Distance from LED unit to wall - unit mounted axially.

**NOTE:** All distances in the chart are the maximum allowable.



Transverse / Axial  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



GENERAL

Building regulations	Part P
Construction material	Aluminium
Inrush current	17A 0.1ms
Maximum ceiling thickness (mm)	18mm

WIRING

Input cable required	0.5 - 1.5mm <sup>2</sup> , 3-core
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

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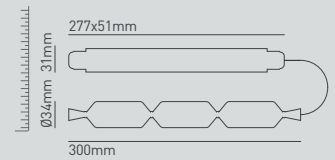


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Emergency mode powers the H5 1000 range at 160mA. Approx. 25% light output compared to normal running
- › Assemble with above downlights for maintained emergency lighting operation
- › Provides minimum of 3 hours of emergency lighting
- › Battery: 3 Cell NiCd, 3.6V x 4Ah
- › Green indicator light indicates charging of batteries



LEDEP360

LED emergency pack for maintained lighting assembly - 3hr minimum emergency lighting

**IP20** Suitable for use indoors

**5yr** 5 year guarantee on LED driver

**1yr** 1 year guarantee on battery

±50°C SELV 100g

ELECTRICAL CHARACTERISTICS

Product code	W	Input (mA)	Input (V)	Output (mA)	Output (V)
LEDEP360	-	20	220V-2240V 50-60Hz	160	6-60

LEDEP360BAT - replacement battery

GENERAL

Case temperature (tc = °C)	70
Protection	Mains surge, short circuit, overload & overheating
Maximum ceiling thickness (mm)	TBC

WIRING

Input cable required	4x 1.0mm <sup>2</sup>
Output cable required	Multiple (refer to installation instructions)

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Ideal for high exposed ceilings
- › IP mains connector included
- › Ceiling fitting kit included
- › Matt silver, sand blasted & anodised finish ensuring longevity
- › Low glare

DL201

Large, straight to mains, surface-mount LED downlight

Suitable for use outdoors  
 7-year extended warranty available

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent) L70, B10

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	DL201FNW	>80Ra	1500	68	3786
	18°	DL201SNW*	>80Ra	1500	68	11695
3000K	38°	DL201FWW	>80Ra	1350	61	3315
	18°	DL201SWW*	>80Ra	1350	61	9154

\* Spot version to order only. 90 day lead time

GENERAL

Building regulations	Part P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Anodised aluminium
Inrush current	5A 0.05ms

WIRING

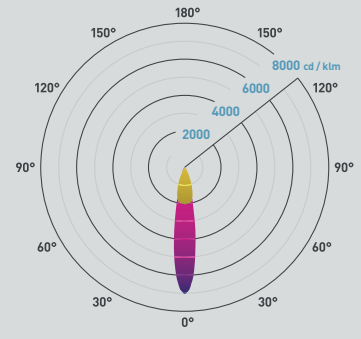
Cable / flying lead	Supplied with 2pc male / female IP65 connector, outside diameter: 5-9mm
Type of wiring required	Parallel (mains) 220-240V AC, 50/60Hz

LED DRIVERS

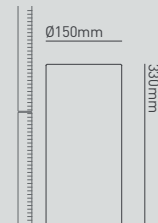
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description	
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 18° / 4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
   
  
 The lamps cannot be changed in the luminaire.
   
 874/2012

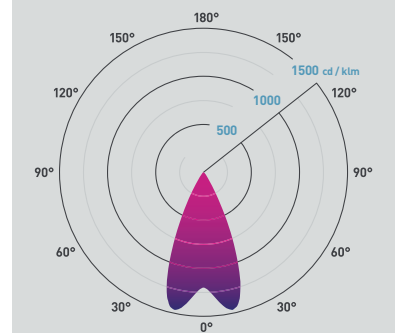


COLLINGWOOD  
LIGHTING

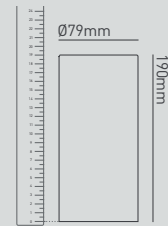


FEATURES & BENEFITS

- › Equivalent to 35W Halogen
- › Ceiling fitting kit included
- › Fit between 3-10 products per 500W mains dimmer



4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012

DL SURFACE

Surface-mount, dimmable LED downlight

- IP44 Splashproof
- 7-year extended warranty available

- 38°
- 8W
- 240V
- 40°C
- 400g
- 2 ZONE
- L70, B10
- 3SDCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	DL SURFACE F NW	>70Ra	455	57	657
3000K	38°	DL SURFACE F WW	>80Ra	340	43	491

GENERAL

Construction material	Anodised aluminium
Inrush current	15A 0.5ms

WIRING

Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz
-------------------------	--------------------------------------

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	Yes (mains)	2	-	-

ACCESSORIES

Product code	Description
Dimming options	Contact us on 01604 495 151 for more information





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Ceiling fitting kit included
- › Equivalent to 35W halogen
- › Fit between 3-10 units per dimmer
- › Cable length can be adjusted

DL PENDANT

Dimmable, pendant LED downlight



Suitable for use indoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	DL PENDANT F NW	>70Ra	455	57	657
3000K	38°	DL PENDANT F WW	>80Ra	340	43	491

GENERAL

Construction material	Anodised aluminium
Inrush current	15A 0.5ms

WIRING

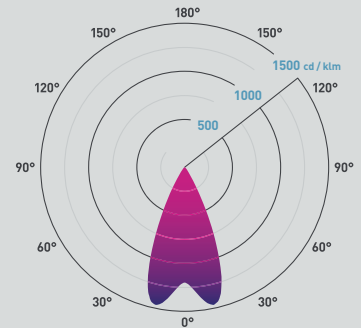
Type of wiring required	Parallel (mains) 220-240V AC, 50/60Hz
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LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	Yes (mains)	-	-	-

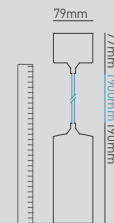
ACCESSORIES

Product code	Description
Dimming options	Contact us on 01604 495 151 for more information
DL DROP ROD	1m anodised aluminium drop rod for added rigidity



4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012



COLLINGWOOD  
LIGHTING



### FEATURES & BENEFITS

- > Anodised aluminium drop rod for added rigidity
- > Can be cut to required length (cutting of rod will render this product non-returnable)



## DL DROP ROD

1m rod for use with DL PENDANT

**1 yr** 1 year guarantee



#### PRODUCT DATA

Product code DL DROP ROD

#### GENERAL

Construction material Anodised aluminium

#### WIRING

Cable 1m (integral to rod)

Series / Parallel -

#### USE IN CONJUNCTION WITH

DL PENDANT

90

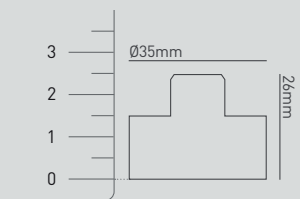


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

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



FIBRE LED LIGHT

Fibre optic LED light injector

Suitable for use indoors  
 7-year extended warranty available  
 Also available in RGBW See page 256

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent) **L70, B10**

PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K	FIBRE LED LIGHT NW	>80Ra	-	-	-

GENERAL

Construction material Aluminium

WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 288

ACCESSORIES

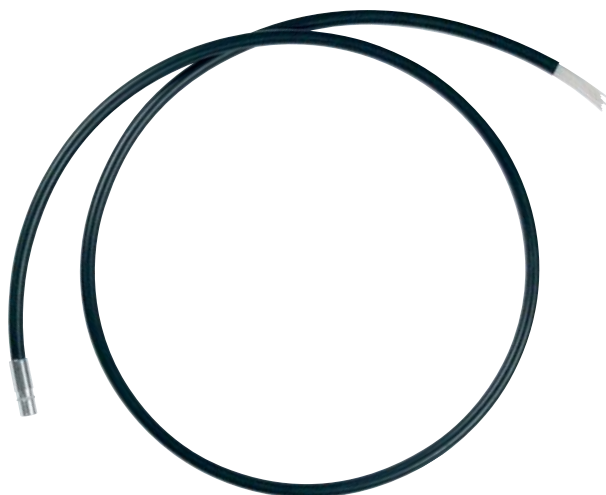
Product code	Description	
FIBRE LED 1/30	Fibre optic strands	93
FIBRE LED 2/30	Fibre optic strands	93
UY2 CONNECTOR	Quick waterproof connector	280
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

COLLINGWOOD LIGHTING 874/2012





## FEATURES & BENEFITS

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

7.5mm



## FIBRE LED

Fibre optic strands

**1 yr** 1 year guarantee



1m

2m

### PRODUCT DATA

Product code	FIBRE LED 1/30	(1m)
	FIBRE LED 2/30	(2m)

### GENERAL

Construction material Plastic

### WIRING

Cable -  
Series / Parallel -

### USE IN CONJUNCTION WITH

FIBRE LED LIGHT	92
DL329RGBW	256



COLLINGWOOD  
LIGHTING

DL120



DL130



FEATURES & BENEFITS

- > Quality machined aluminium finish
- > Small and discreet
- > Adjustable angle to direct light

DL120 | DL130

Mini adjustable LED spot light



Suitable for use indoors



1 year guarantee



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

DL120

DL130

PHOTOMETRICS @ 25°C

Colour	Angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	15°	DL120 NW	>70Ra	82	82	703
	15°	DL130 NW	>70Ra	82	82	703
3000K	15°	DL120 WW	>80Ra	69	69	591
	15°	DL130 WW	>80Ra	69	69	591

GENERAL

Construction material Aluminium

WIRING

Cable / flying lead 300mm (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series (Plug & Play)

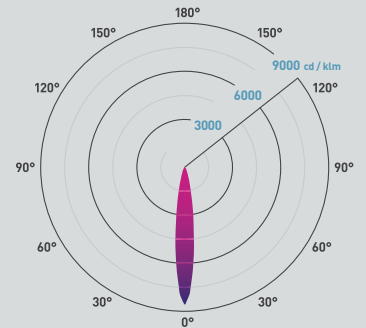
NB: Removal of plugs will render this product non-returnable

LED DRIVERS

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

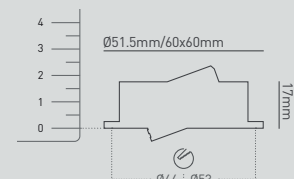
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6 way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 15°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- High lumen output
- Retrofits into existing AR111 housings
- Ideal for retail and hospitality spaces
- Dimmable with mains, 1-10V & DALI LED drivers
- Innovative low glare design



RL111

LED AR111 replacement for 75W halogen

IP40\* Suitable for use indoors

7-year extended warranty available

20/40° 12W <math>\le 60^{\circ}\text{C}</math> <math>\le 35^{\circ}\text{C}</math> 280g HOUSING DEPENDANT 60,000h L70, B10 35DCM

\* LED unit only

PHOTOMETRICS @ 25°C Efficacy does not include driver

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	20°	RL1112040	>80Ra	1200	100	5993
	40°	RL1114040	>80Ra	1200	100	2371
3000K	20°	RL1112030	>80Ra	1200	100	5993
	40°	RL1114030	>80Ra	1200	100	2371
2700K	20°	RL1112027	>80Ra	950	80	4744
	40°	RL1114027	>80Ra	950	80	1877

GENERAL

Construction material Aluminium

WIRING

Cable / flying lead 0.35m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series

LED DRIVERS

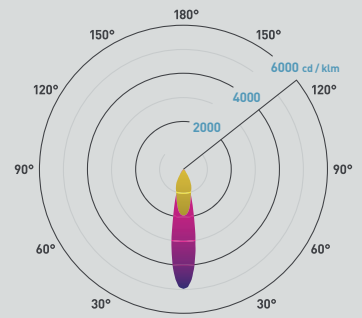
Bathroom zone applicable to fitting only

Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLDM35020	350	Yes	>0.95	Yes (mains)	-	1	1
PLD UNI-DRIVE 350MA	350	Yes	>0.95	Yes (1-10V)	-	1	1
PSDAL350M	350	Yes	>0.95	Yes (1-10V/DALI)	-	1	2

For LED driver bathroom zone & additional LED drivers see page 288

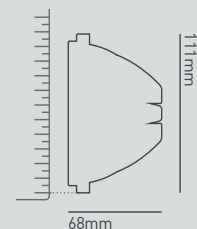
ACCESSORIES

Product code	Description	
AR119/120/220	Adjustable housing	96
HAL 104	DALI interface	272
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



4000K 20° / 4000K 40°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A+ A A C D E

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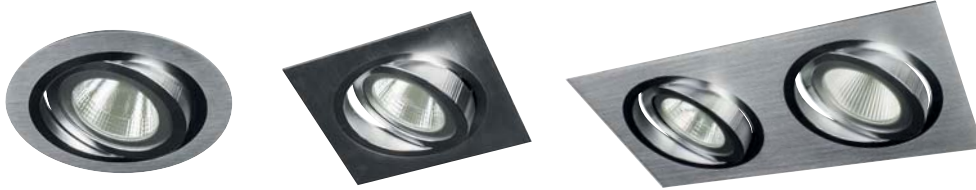


COLLINGWOOD  
LIGHTING

AR119

AR120

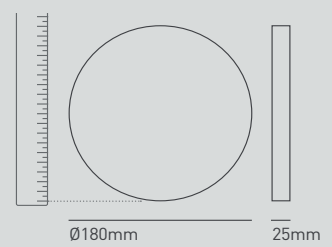
AR220



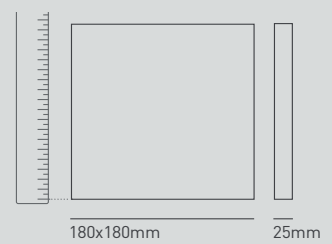
## FEATURES & BENEFITS

- › Complete with lamp retaining clip
- › Fully adjustable
- › Machined from aluminium for a quality finish

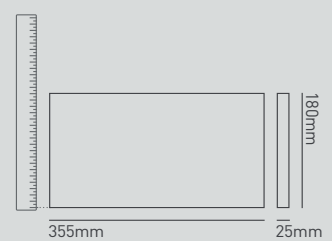
AR119



AR120



AR220



## AR119 | AR120 | AR220

Adjustable housing

1 yr 1 year guarantee



AR119



AR120



AR220



AR119



AR120



AR220

### PRODUCT DATA

Product code	AR119 SIL	(Round)
	AR120 SIL	(Square)
	AR220 SIL	(Double fitting)

### GENERAL

Construction material	Machined aluminium
-----------------------	--------------------

### WIRING

Cable	-
Series / Parallel	-

### USE IN CONJUNCTION WITH

RL111	95
-------	----





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

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

DM01

MR16 high output single source LED replacement

**IP40** Suitable for use indoors

**G** 7-year extended warranty available

PHOTOMETRICS @ 25°C Adding a housing to this module will affect photometric readings

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	25°	DM012540	>80Ra	680	76	1774
3000K	25°	DM012530	>80Ra	650	72	1696
2700K	25°	DM012527	>80Ra	600	67	1565

GENERAL

Building regulations	Product is not fire-rated
Construction material	Aluminium

WIRING

Cable / flying lead	400mm [0.205mm <sup>2</sup> red & black PTFE]
Type of wiring required	Series (Plug & Play)

NB: Removal of plugs will render this product non-returnable

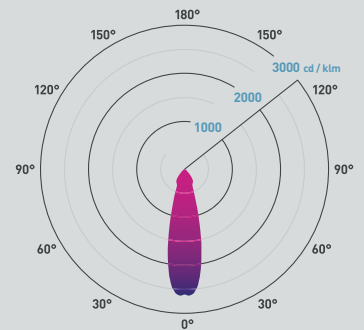
LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Bathroom zone applicable to fitting only	
					Min	Max
PLDM70011	700	Yes	Yes (mains)	2	1	1
PLD-UNIDRIVE 700	700	Yes	Yes (1-10V)	1	1	2
PSDAL700M	700	Yes	Yes (DALI)	2	1	5

For LED driver bathroom zone & additional LED drivers see page 288

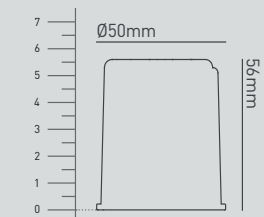
ACCESSORIES

Product code	Description	Price
DH02WH	Adjustable MR16 pinhole housing for the DM01 & DM02	99
DH03WH	Adjustable MR16 baffled housing for the DM01 & DM02	99
DH04WH	Adjustable MR16 highlight housing for the DM01 & DM02	99
DH05WH	Adjustable MR16 wall wash housing for the DM01 & DM02	99
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6 way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 25°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A+, A, A, C, D, E

874/2012



COLLINGWOOD  
LIGHTING



NEW

FEATURES & BENEFITS

- › Equivalent to 50W halogen
- › MR16 for retrofit into existing housings
- › 3-year extended warranty available

DM02

MR16 high output single source LED replacement



Suitable for use indoors



3-year extended warranty available



HOUSING DEPENDANT

3SDCM

PHOTOMETRICS @25°C

Adding a housing to this module will affect photometric readings.

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
3000K	24°	DM022430	>80Ra	580	92	1997

DRIVER REQUIRED FOR DM02 RANGE

Product code	Input power	Description
PSDIM180	8.5W	Mains dimmable, IP20, 180mA driver

GENERAL

Building regulations	Product is not fire-rated
Construction material	Aluminium

WIRING

Cable / flying lead	Plug & Play into driver
Type of wiring required	Plug & Play

NB: Removal of plugs will render this product non-returnable

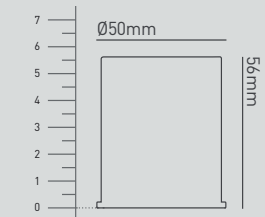
LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PSDIM180	180	Yes	Yes (mains)	-	1	1

ACCESSORIES

Product code	Description	Price
DH02WH	Adjustable MR16 pinhole housing for the DM01 & DM02	99
DH03WH	Adjustable MR16 baffled housing for the DM01 & DM02	99
DH04WH	Adjustable MR16 highlight housing for the DM01 & DM02	99
DH05WH	Adjustable MR16 wall wash housing for the DM01 & DM02	99
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
DM298GRID	LED mains grid dimmer	82
DM298FP	Faceplate dimmer	82



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012





### DH02WH

Adjustable, white, pinhole housing for the DM01 & DM02



Product Code	DH02WH
Construction material	Aluminium
Guarantee	1 year

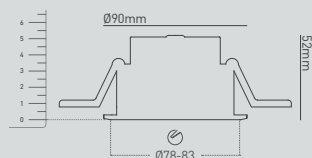
#### DM01 WITH DH02WH Page 97

Colour	lm	lx at 1m
4000K	330	1051
3000K	300	956
2700K	270	860

#### DM02 WITH DH02WH Page 98

Colour	lm	lx at 1m
3000K	320	1760

> Pin hole attachment



### DH03WH

Adjustable, white, baffled housing for the DM01 & DM02



Product Code	DH03WH
Construction material	Aluminium
Guarantee	1 year

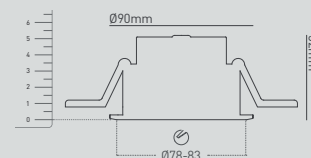
#### DM01 WITH DH03WH Page 97

Colour	lm	lx at 1m
4000K	480	1027
3000K	450	963
2700K	420	899

#### DM02 WITH DH03WH Page 98

Colour	lm	lx at 1m
3000K	480	2258

> Black tube for ultra low glare downlighting



### DH04WH

Adjustable, white, highlight housing for the DM01 & DM02



Product Code	DH04WH
Construction material	Aluminium
Guarantee	1 year

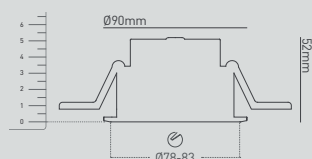
#### DM01 WITH DH04WH Page 97

Colour	lm	lx at 1m
4000K	330	1078
3000K	300	980
2700K	270	882

#### DM02 WITH DH04WH Page 98

Colour	lm	lx at 1m
3000K	320	1759

> Oval hole, for highlighting vertical surfaces



### DH05WH

Adjustable, white, wall wash housing for the DM01 & DM02



Product Code	DH05WH
Construction material	Aluminium
Guarantee	1 year

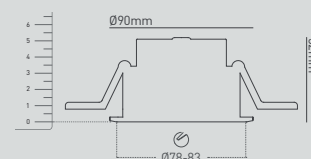
#### DM01 WITH DH05WH Page 97

Colour	lm	lx at 1m
4000K	330	1028
3000K	300	935
2700K	270	841

#### DM02 WITH DH05WH Page 98

Colour	lm	lx at 1m
3000K	320	1577

> Semi-circle, for wall washing



# GROUND LIGHTS

To highlight your best features, inside and out



## QUALITY OF PRODUCT

Project light upwards onto walls, architectural features, trees and shrubs to create a spectacular environment by day and night using Collingwood ground lights. Their marine grade 316 stainless steel construction means that they will continue to look good both indoors and outdoors for years to come. They put other lights in the shade when it comes to coastal locations. Their premium finish means they won't give in to corrosion and will continue to create spectacular vistas on the coast and inland. Collingwood ground lights have been used to create stunning environments throughout the world for over 10 years. There is a 7-year warranty on sealed for life ground lights.

## INSTALLATION TUBES

Installing ground lights in soil, gravel or patios? We recommend using an installation tube, see page 124. Already supplied with GL034A, GL038A, GL07, GL08 and GL09.



## WATERPROOF

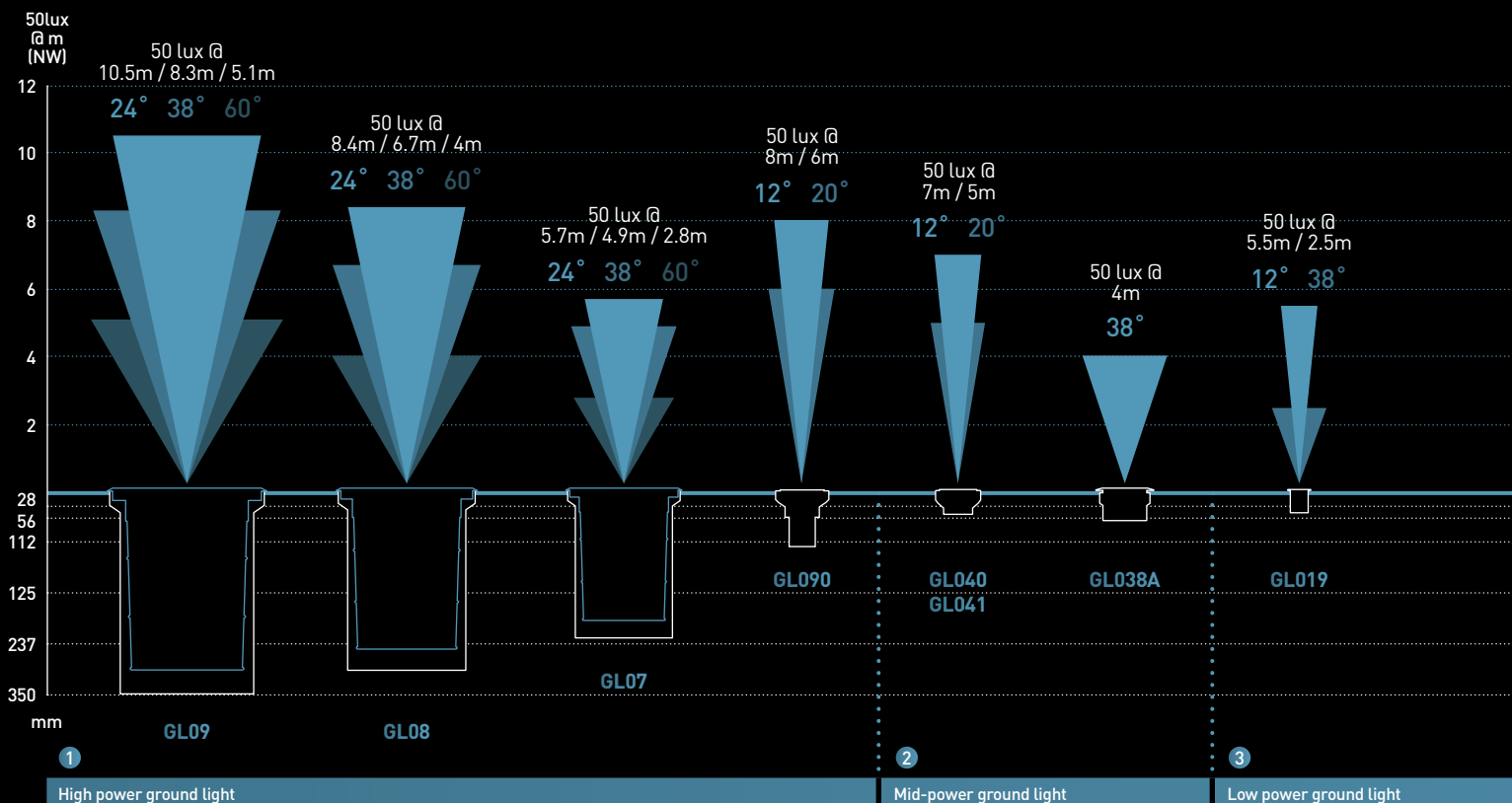
Collingwood ground lights are waterproof to IP68 or IP67 and are designed for permanent use outdoors. Ground lights must be installed using waterproof connections to avoid moisture entering the cable through non-waterproof joints. To choose from our range of waterproof connectors see page 280-281



Check out our IP rated installation video on the Collingwood Lighting YouTube channel.

## CHOOSE YOUR EFFECT

The diagram below is for approximate representation only, for exact lux levels see product specification sheets.



# CHOOSE YOUR EFFECT

These are suggested locations for our products, they can be used anywhere you feel appropriate.

Expect light consistency regardless of how many fittings are used in a scheme or the distance between each one. Collingwood ground lights have been designed using constant current technology so the light output of each individual fitting will remain constant.

Suitable for both new and retrofit installations and available with separate and integral drivers, Collingwood ground lights offer great flexibility.

## 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 scale facades, small 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 up-lighting domestic facades and for use on wide steps and around terraces and low level planting, these fittings can also be used inside to highlight architectural features. They can be recessed into ceilings to provide small downlight options in recessed displays, alcoves or in showers.

## 4 Low glare ground light

These fittings are ideal for use inside or near terraces and seating areas and along paths where people pass nearby.

## 5 Marker light

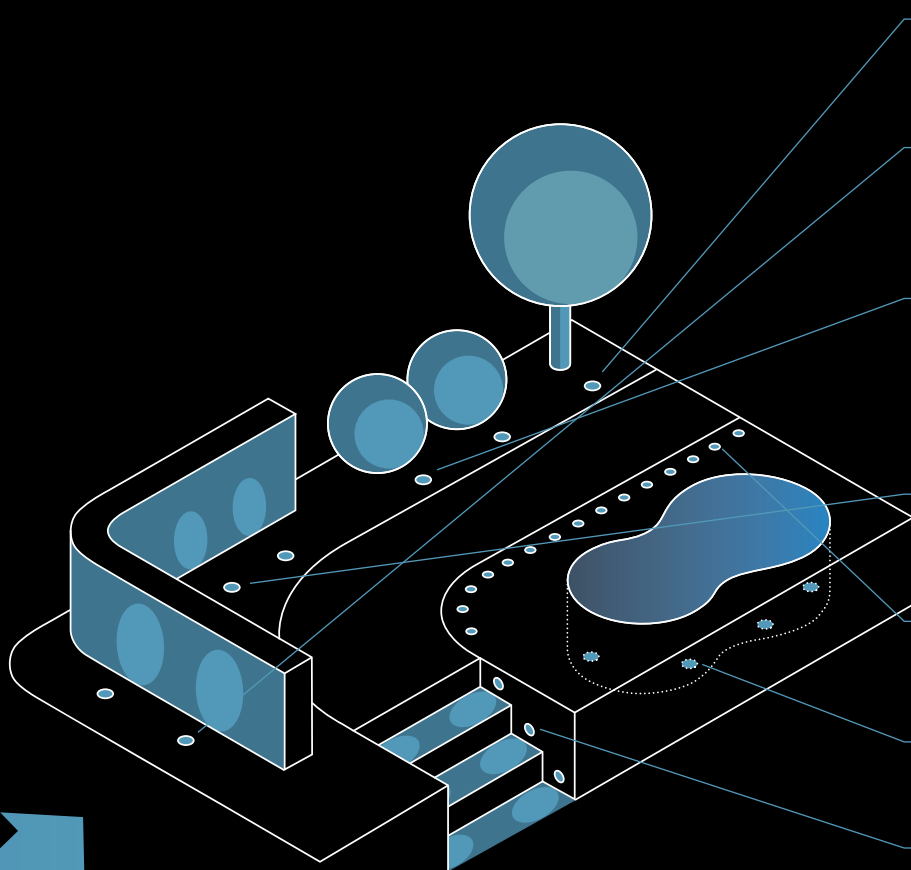
Providing a subtle diffused glow of light, these fittings are ideal for steps, pathways, driveways and car parks.

## Submersible universal light

IP rated to IP68 and tested to 9m submersion. Pages 209 - 210

## Step light

Using asymmetric ground or wall lights will throw light down and along the steps at the same time. Pages 129-131



50 lux @  
2.3m

26°

GL016

50 lux @  
0.4m

30°

GL021  
GL022

50 lux @  
4m / 2.25m

12° 30°

GL019 LG

Marker light

Marker light

Marker light

Marker light

GL050  
GL051

GL018

GL063  
GL064

GL007  
Frosted

4

5

Low glare

Marker light



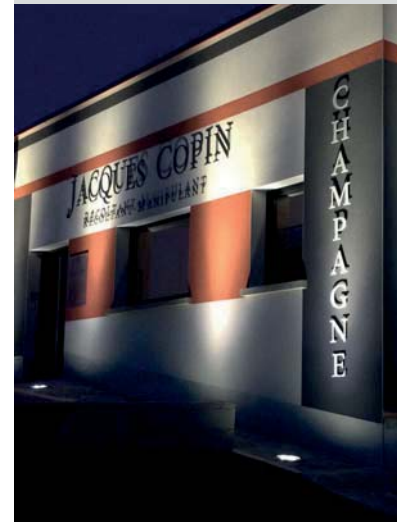


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Adjustable LED fittings
- > Equivalent to 50W Halogen & 100W AR111
- > Straight to mains
- > Robust cable for outdoor use



GL09

Triple LED drive over ground light



Perfect for outdoor use



3 year extended warranty available



ZONE

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	60°	GL09D60X40	>80Ra	1515	59	1266
	38°	GL09D38X40	>80Ra	1515	59	3453
	24°	GL09D24X40	>80Ra	1515	59	5471
3000K	60°	GL09D60X30	>80Ra	1500	59	1253
	38°	GL09D38X30	>80Ra	1500	59	3419
	24°	GL09D24X30	>80Ra	1500	59	5417

GENERAL

Construction material	Stainless Steel 304 (cover ring) / Aluminium (body)
Drive over / Walk over	Drive over, 12mm tempered glass (15mph max), static load 2000kg / 20KN
Inrush current	2.8A 0.2ms

WIRING

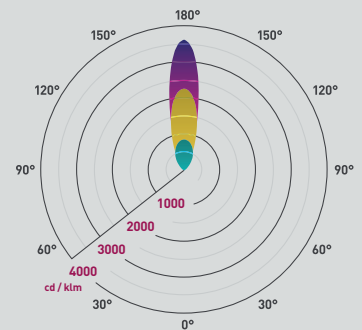
Cable/flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	-	No	2	-	-

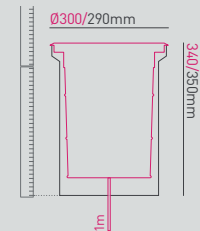
ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	281
WC 5-9	Quick waterproof connector	280



4000K 24° / 4000K 38° / 4000K 60°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A++ A+ A C D E

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LIGHTING



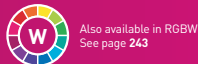
FEATURES & BENEFITS

- › Adjustable LED fittings
- › Equivalent to 50W Halogen & 100W AR111
- › Straight to mains
- › Robust cable for outdoor use



GL08

Twin LED drive over ground light



PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	60°	GL08D60X40	>80Ra	1010	59	801
	38°	GL08D38X40	>80Ra	1010	59	2286
	24°	GL08D24X40	>80Ra	1010	59	3533
3000K	60°	GL08D60X30	>80Ra	1000	59	793
	38°	GL08D38X30	>80Ra	1000	59	2264
	24°	GL08D24X30	>80Ra	1000	59	3498

GENERAL

Construction material	Stainless Steel 304 (cover ring) / Aluminium (body)
Drive over / Walk over	Drive over, 10mm tempered glass (15mph max), static load 2000kg / 20KN
Inrush current	1.8A 0.2ms

WIRING

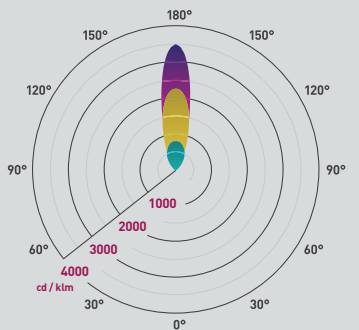
Cable/flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

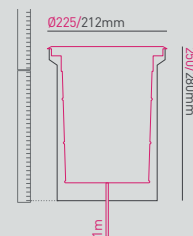
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	-	No	2	-	-

ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	281
WC 5-9	Quick waterproof connector	280



4000K 24° / 4000K 38° / 4000K 60°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

LED

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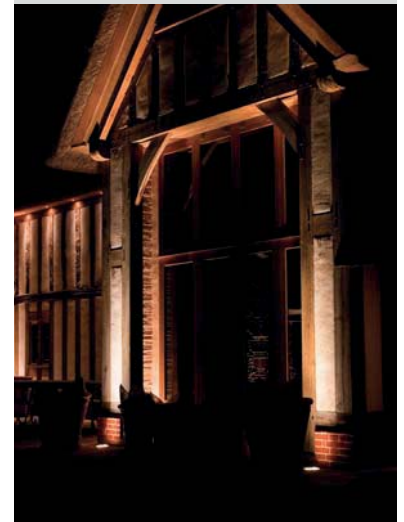


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Adjustable LED fittings
- › Equivalent to 50W Halogen
- › Robust cable for outdoor use
- › Straight to mains



GL07

Drive over LED ground light



Perfect for outdoor use



3 year extended warranty available



Also available in RGBW See page 242



ZONE L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	60°	GL07D60X40	>80Ra	505	59	399
	38°	GL07D38X40	>80Ra	505	59	1177
	24°	GL07D24X40	>80Ra	505	59	1597
3000K	60°	GL07D60X30	>80Ra	500	59	395
	38°	GL07D38X30	>80Ra	500	59	1165
	24°	GL07D24X30	>80Ra	500	59	1582

GENERAL

Construction material	Stainless Steel 304 (cover ring) / Aluminium (body)
Drive over / Walk over	Drive over, 10mm tempered glass (15mph max), static load 2000kg / 20KN
Inrush current	0.92A 0.13ms

WIRING

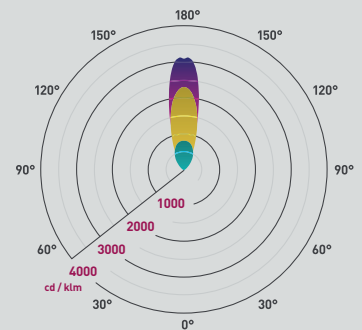
Cable/flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	-	No	2	-	-

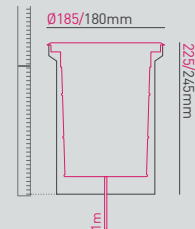
ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	281
WC 5-9	Quick waterproof connector	280



4000K 24° / 4000K 38° / 4000K 60°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED), A+, A, C, D, E (crossed out).

874/2012





## GL007 Frosted

Frosted LED drive over ground / marker light



Protected against temporary immersion



3-year extended warranty available



ZONE



L70, B10



3SDCM

### PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K	GL007 FROSTED NW	>70Ra	101	13	43
3000K	GL007 FROSTED WW	>80Ra	96	12	33

### GENERAL

Construction material	Stainless steel 304 (cover ring) / aluminium (body)
Drive over / walk over	Drive over, 10mm tempered glass (15mph max), static load 2000kg / 20KN
Inrush current	10.7A 0.7ms

### WIRING

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

### LED DRIVERS

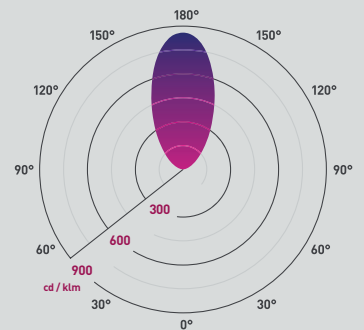
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

### ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	281
WC 5-9	Quick waterproof connector	280

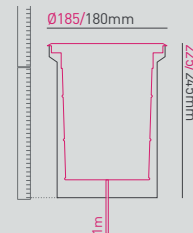
## FEATURES & BENEFITS


- > Frosted effect for softer tone of light
- > Straight to mains



### 4000K

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





This luminaire contains built-in LED lamps.

A+

A

A

B

C


D

E

}

LED

The lamps cannot be changed in the luminaire.



874/2012



COLLINGWOOD  
LIGHTING

GL063



GL064



FEATURES & BENEFITS

- > Cast stainless steel for aged effect
- > Raised profile sending light in three or four directions



GL063 | GL064

3-way LED marker light | 4-way LED marker light



Protected against temporary immersion



7-year extended warranty available



GL063



GL064



Ø55



37°C



IK10



±35°C



1.1kg



ZONE



L70, B10



35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
3000K	GL063	>80Ra	45	11	9
	GL064	>80Ra	65	13	9

GENERAL

Construction material	Cast stainless steel (316)
Drive over / walk over	No

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

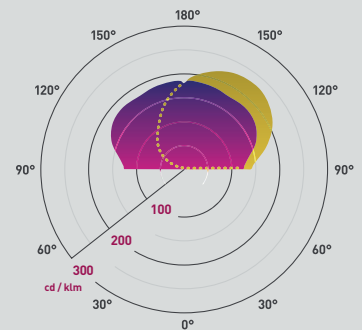
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3 / 2
PLR/350 1-5	350	Yes	No	1	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3 / 2

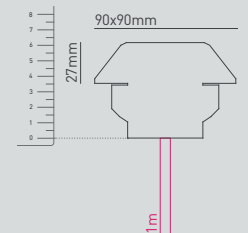
For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/68	Installation tube	124
WCR 275 BLACK	2-core rubber cable	281



GL063 3000K C0/C180 / 3000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012



## FEATURES & BENEFITS

- › Equivalent to 20W halogen
- › Robust cable for outdoor use
- › Straight to mains

## GL038A

Straight to mains LED ground light



Protected against temporary immersion



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10

3SDCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	GL038A F NW	>70Ra	200	55	550
3000K	38°	GL038A F WW	>80Ra	165	45	305
Blue	38°	GL038A F BL	-	-	-	-

### GENERAL

Construction material	Stainless steel 316 (cover) / aluminium (body)
Drive over / walk over	Walk over (5mm toughened glass)
Inrush current	9A 0.8ms

### WIRING

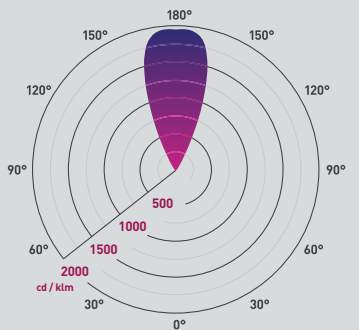
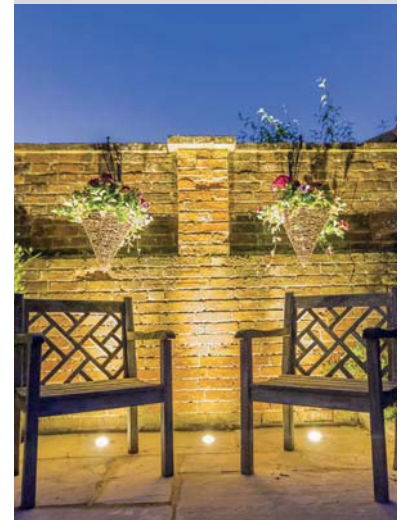
Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

### LED DRIVERS

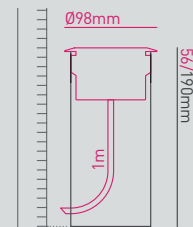
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-


### ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	281
WC 5-9	Quick waterproof connector	280



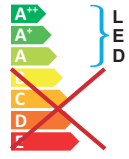
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.



LED

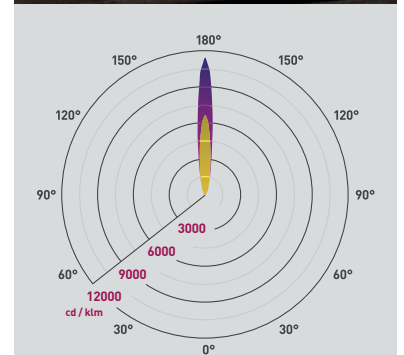
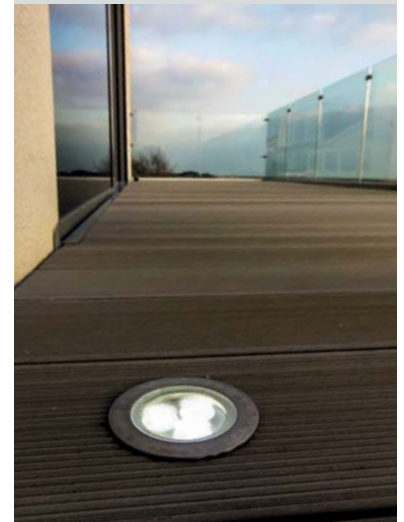
874/2012



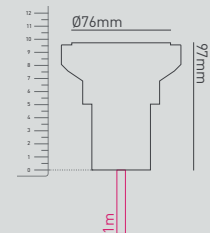


## FEATURES & BENEFITS

- › Equivalent to 35W halogen & 35W AR111
- › Robust cable for outdoor use



4000K 12° / 4000K 20°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012

## GL090

7W LED ground light



Submersible to 9m



7-year extended warranty available



Also available in RGBW See page 244



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	20°	GL090 F NW	>70Ra	400	65	2594
	12°	GL090 S NW	>70Ra	500	80	5737
3000K	20°	GL090 F WW	>80Ra	320	49	2076
	12°	GL090 S WW	>80Ra	390	60	4474
Blue	20°	GL090 F BL	-	43	6	-
	12°	GL090 S BL	-	-	-	-

### GENERAL

Construction material	Stainless steel [316]
Drive over / walk over	Walk over (5mm toughened glass)

### WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	3
PL/IP/700 1-3	700	Yes	No	0	1	1
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 244

### ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/68	Installation tube	124
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280





# GL040

3W LED ground light



Submersible to 9m



7-year extended warranty available



Also available in RGB See page 245



## PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	GL040 F NW	>70Ra	300	100	549
	18°	GL040 S NW	>70Ra	300	100	2784
3000K	38°	GL040 F WW	>80Ra	260	87	476
	18°	GL040 S WW	>80Ra	260	87	2413

## GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

## WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3

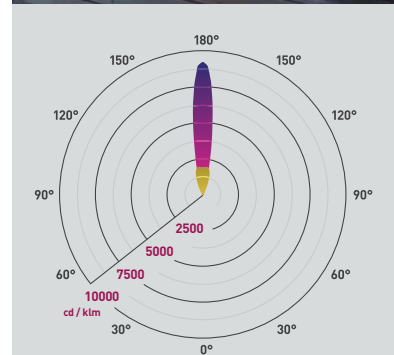
For LED driver bathroom zone & additional LED drivers see page 264

## ACCESSORIES

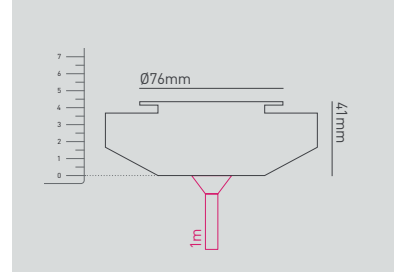
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/68	Installation tube	124
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

## FEATURES & BENEFITS

- > Equivalent to 20W halogen & 35W AR111
- > Robust cable for outdoor use



4000K 18° / 4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Equivalent to 20W halogen & 35W AR111
- > Robust cable for outdoor use



GL041

Square 3W LED ground light



Submersible to 9m



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	20°	GL041 F NW	>70Ra	200	67	1800
	12°	GL041 S NW	>70Ra	200	67	4500
3000K	20°	GL041 F WW	>80Ra	160	53	1253
	12°	GL041 S WW	>80Ra	160	53	3210

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

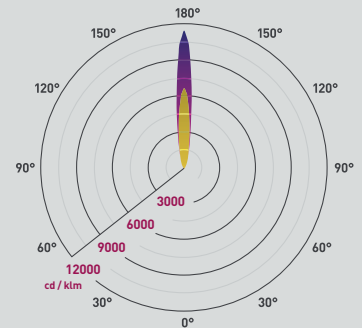
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 264

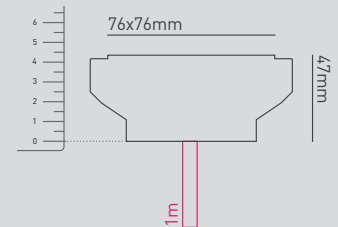
ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/68	Installation tube	124
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 12° / 4000K 20°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

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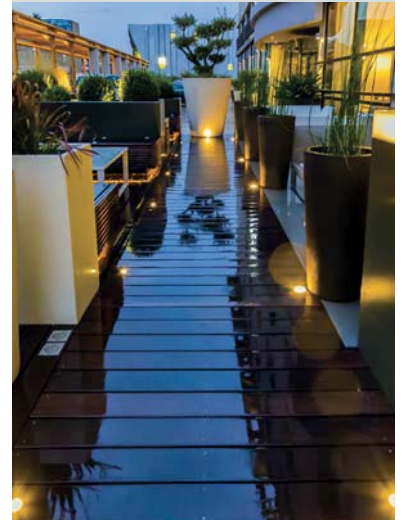


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Frosted effect for softer tone of light
- > Robust cable for outdoor use



GL050 | GL051

3W LED ground / marker light | Square 3W LED ground / marker light



Submersible to 9m



7-year extended warranty available



Also available in RGBW (GL050) See page 246



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

GL050

GL051

ZONE

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	100°	GL050 NW	>70Ra	50	17	20
	100°	GL051 NW	>70Ra	50	17	20
3000K	100°	GL050 WW	>80Ra	46	15	16
	100°	GL051 WW	>80Ra	46	15	16
Blue	100°	GL050 BLUE	-	-	-	-
	100°	GL051 BLUE	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

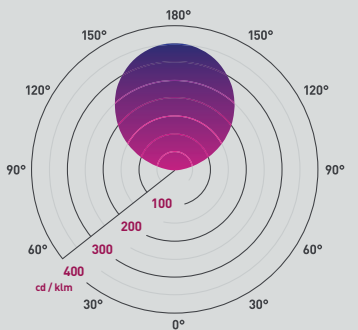
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 264

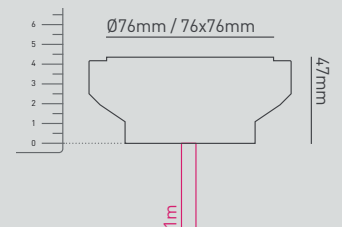
ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/68	Installation tube	124
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 100°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **A++ A+ A C D E** LED

The lamps cannot be changed in the luminaire.

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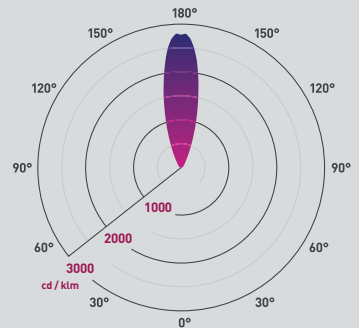
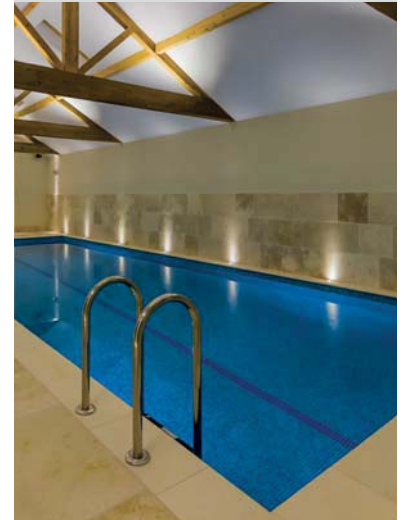


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LIGHTING



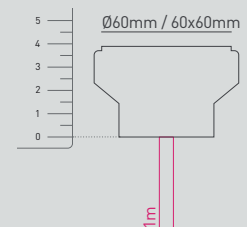
FEATURES & BENEFITS

- > Robust cable for outdoor use
- > Shallow depth for easy installation



4000K 26°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **LED**

The lamps cannot be changed in the luminaire.

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GL016 F | GL016 SQ

1W LED ground light | Square 1W LED ground light



Submersible to 9m



7-year extended warranty available



Also available in RGB (GL016) See page 247



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	26°	GL016 F NW	>70Ra	95	95	267
	26°	GL016 SQ NW	>70Ra	95	95	267
3000K	26°	GL016 F WW	>80Ra	75	75	210
	26°	GL016 SQ WW	>80Ra	75	75	210
Amber	26°	GL016 F AMBER	-	-	-	-
Blue	26°	GL016 F BLUE	-	-	-	-
	26°	GL016 SQ BLUE	-	-	-	-
Green	26°	GL016 F GREEN	-	-	-	-
Red	26°	GL016 F RED	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/50	Installation tube	124
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280





## FEATURES & BENEFITS

- > Robust cable for outdoor use
- > Shallow depth for easy installation
- > Solid brass for antique effect

## GL016 F AB

1W LED ground light



Submersible to 9m



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	26°	GL016 F AB NW	>70Ra	95	95	267
3000K	26°	GL016 F AB WW	>80Ra	75	75	210
Amber	26°	GL016 F AB AMBER	-	-	-	-
Blue	26°	GL016 F AB BLUE	-	-	-	-
Green	26°	GL016 F AB GREEN	-	-	-	-
Red	26°	GL016 F AB RED	-	-	-	-

### GENERAL

Construction material	Brass
Drive over / walk over	Walk over (5mm toughened glass)

### WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### LED DRIVERS

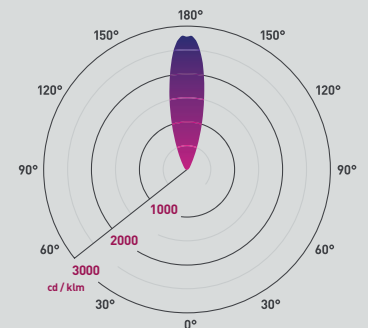
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

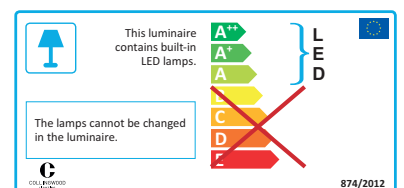
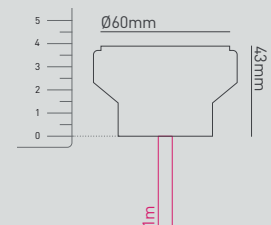
### ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/50	Installation tube	124
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



### 4000K 26°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





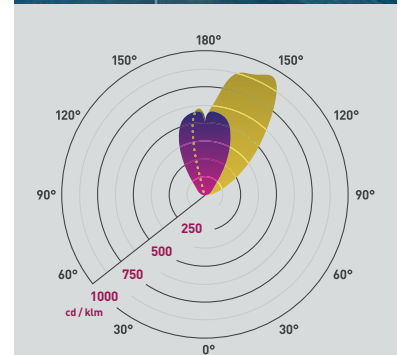


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LIGHTING

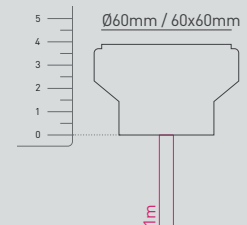


FEATURES & BENEFITS

- › Angled light ideal for use as a step light
- › Cast Stainless steel for aged effect (GL022)
- › Robust cable for outdoor use



3000K C0/C180 / 3000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **A++** **A+** **A** **C** **D** **E** LED

The lamps cannot be changed in the luminaire.

874/2012

GL021 | GL022

30° slotted LED ground light | Square 30° slotted LED ground light



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	30°	GL021 NW	>70Ra	10	10	10
	30°	GL022 NW	>70Ra	10	10	10
3000K	30°	GL021 WW	>80Ra	8	8	8
	30°	GL022 WW	>80Ra	8	8	8
Blue	30°	GL021 BLUE	-	-	-	-
	30°	GL022 BLUE	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/50	Installation tube	124
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

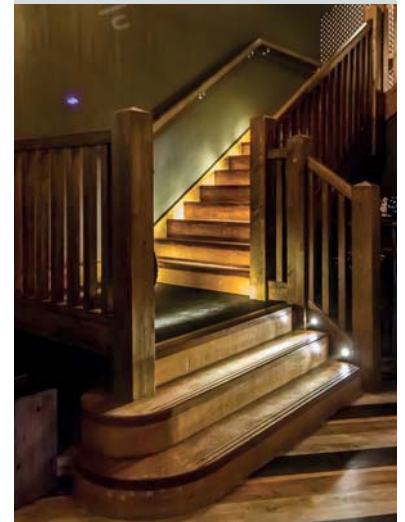


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FEATURES & BENEFITS

- › Compact yet powerful fitting
- › Shallow depth for easy installation
- › Robust cable for outdoor use



GL019

1W mini LED ground light



Submersible to 9m



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	GL019 F NW	>70Ra	90	90	320
	12°	GL019 S NW	>70Ra	90	90	1543
3000K	38°	GL019 F WW	>80Ra	70	70	249
	12°	GL019 S WW	>80Ra	70	70	1200
Amber	38°	GL019 F AMBER	-	-	-	-
	12°	GL019 S AMBER	-	-	-	-
Blue	38°	GL019 F BLUE	-	-	-	-
	12°	GL019 S BLUE	-	-	-	-
Green	38°	GL019 F GREEN	-	-	-	-
	12°	GL019 S GREEN	-	-	-	-
Red	38°	GL019 F RED	-	-	-	-
	12°	GL019 S RED	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

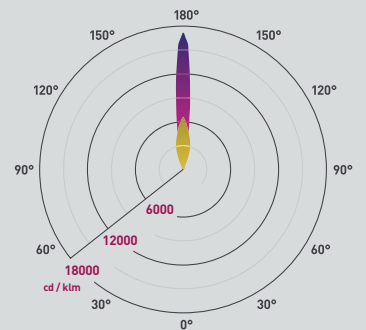
Bathroom zone applicable to fitting only

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

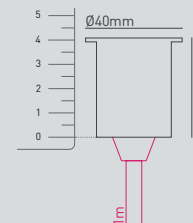
For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/33	Installation tube	124
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 12° / 4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency scale: A+, A, A, C, D, E (LED lamps are A+).

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LIGHTING



FEATURES & BENEFITS

- > Compact yet powerful fitting
- > Shallow depth for easy installation
- > Robust cable for outdoor use
- > Built-in glare reducing honeycomb baffle

GL019 LG

1W mini low glare LED ground light



Submersible to 9m



7-year extended warranty available



ZONE L70, B10 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	30°	GL019LGFNW	>70Ra	65	65	262
	12°	GL019LGSNW	>70Ra	65	65	908
3000K	30°	GL019LGFWW	>80Ra	55	55	222
	12°	GL019LGSWW	>80Ra	55	55	768

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

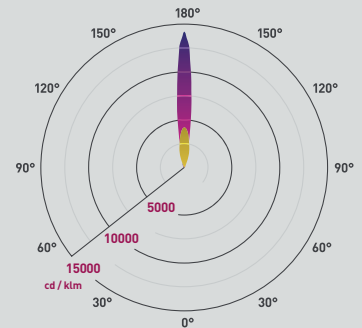
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

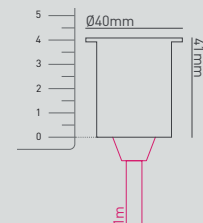
ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/33	Installation tube	124
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 12° / 4000K 30°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



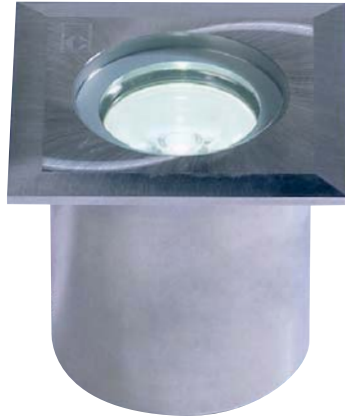
This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012





## FEATURES & BENEFITS

- › Shallow depth for easy installation
- › Square fascia for a different decorative effect

## GL019 SQ

1W square mini LED ground light



Submersible to 9m



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	20°	GL019 SQ F NW	>70Ra	55	55	350
	12°	GL019 SQ S NW	>70Ra	55	55	1650
3000K	20°	GL019 SQ F WW	>80Ra	44	44	320
	12°	GL019 SQ S BLUE	-	-	-	-

### GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

### WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### LED DRIVERS

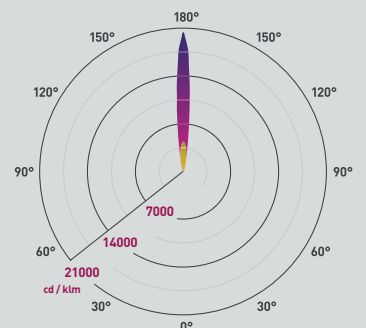
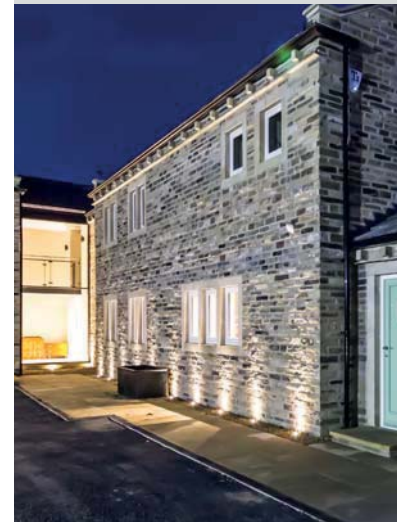
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

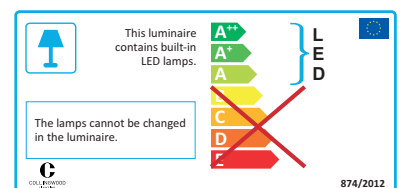
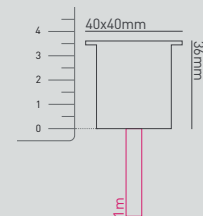
### ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
TUBE/33	Installation tube	124
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 12° / 4000K 20°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



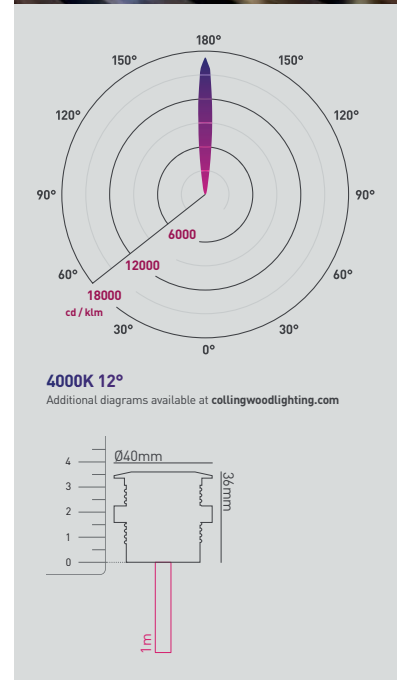


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Incorporated thread and nut for secure fitting into panels, walls or ceilings
- > Shallow depth for easy installation



4000K 12°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

GL019 S T

1W threaded mini LED ground light



Submersible to 9m



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	12°	GL019 S T NW	>70Ra	55	55	1650
3000K	12°	GL019 S T WW	>80Ra	44	44	1464
Blue	12°	GL019 S T BLUE	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

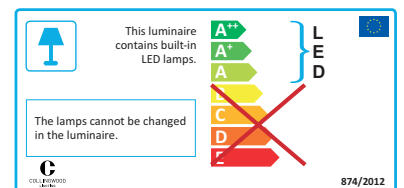
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Low profile waterproof ground light. Ideal for decking or by swimming pools
- › Aluminium tube for secure installation in concrete or soft ground environments
- › Theft/vandal-proof. Threaded body fits securely into supplied aluminium tube using tightening key

GL019 S TK

GL019 LED spot kit

- IP68** Submersible to 9m
- 7-year extended warranty available

- 12°
- 1W
- Ø37
- 32°C
- IK07
- ±35°C
- 100g
- 0
- L70, B10
- 70,000h
- 3SDCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	12°		>70Ra	55	55	1650
Blue	12°	GL019 S TK BLUE	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS

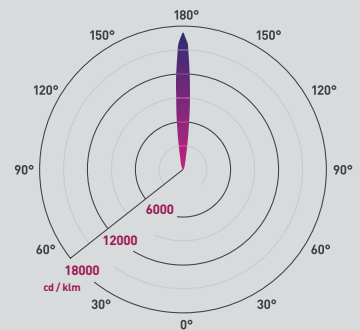
Bathroom zone applicable to fitting only

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

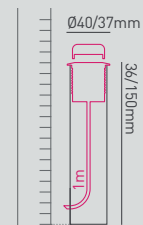
For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 12°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

LED A++ A+ A C D E

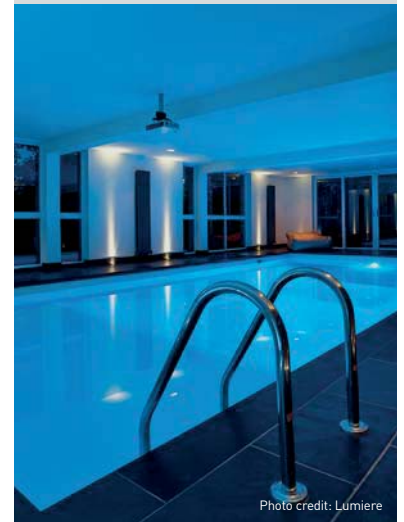
874/2012





## FEATURES & BENEFITS

- > Frosted effect for softer tone of light
- > Low profile for easy installation
- > Robust cable for outdoor use



## GL018 C

Small LED marker light

**IP68** Submersible to 9m

**1 yr** 1-year guarantee



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	GL018 C NW	>70Ra	3	6	1
3000K	120°	GL018 C WW	>80Ra	3	6	1
Amber	120°	GL018 C AMBER	-	-	-	-
Blue	120°	GL018 C BLUE	-	1	2	1
Green	120°	GL018 C GREEN	-	-	-	-
Red	120°	GL018 C RED	-	-	-	-

### GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

### WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

### LED DRIVERS

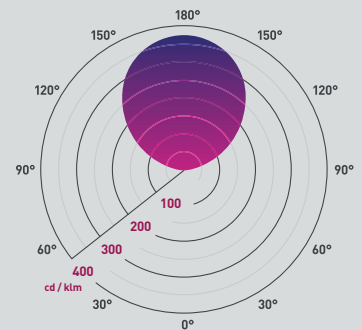
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	-	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED drivers see page 264

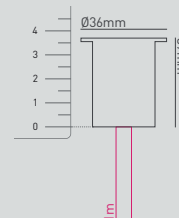
### ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272



### 4000K 120°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012





## FEATURES & BENEFITS

- › Frosted effect for softer tone of light
- › Robust cable for outdoor use
- › Shallow depth for easy installation
- › Solid brass for antique effect

## GL018 C AB

Small antique brass LED marker light

**IP68**

Submersible to 9m

**1 yr**

1-year guarantee



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

3SDCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	GL018 C AB NW	>70Ra	3	6	1
3000K	120°	GL018 C AB WW	>80Ra	3	6	1
Amber	120°	GL018 C AB AMBER	-	-	-	-
Blue	120°	GL018 C AB BLUE	-	-	-	-
Green	120°	GL018 C AB GREEN	-	-	-	-
Red	120°	GL018 C AB RED	-	-	-	-

### GENERAL

Construction material	Brass
Drive over / walk over	Walk over (5mm toughened glass)

### WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

### LED DRIVERS

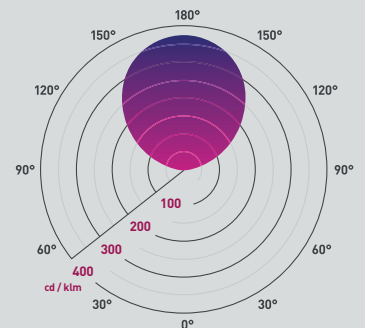
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	-	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED drivers see page 264

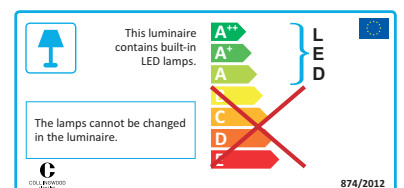
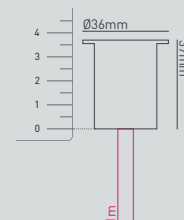
### ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272



### 4000K 120°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Frosted effect for softer tone of light
- > Low profile for easy installation
- > Robust cable for outdoor use
- > Square fascia for a different decorative effect

GL018 SQ

Small square LED marker light

**IP68** Submersible to 9m

**1 yr** 1-year guarantee

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	GL018 SQ NW	>70Ra	3	6	1
3000K	120°	GL018 SQ WW	>80Ra	3	6	1
Blue	120°	GL018 SQ BLUE	-	-	-	-

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS

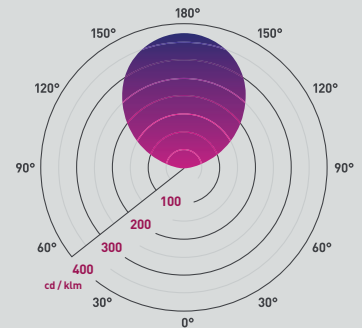
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	-	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED drivers see page 264

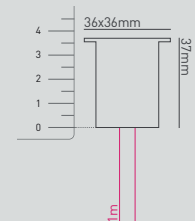
ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272



4000K 120°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red)

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## 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

## GL018 T

Small panel mount LED marker light

IP68

Submersible to 9m

1 yr

1-year guarantee



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

3SDCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	GL018 T NW	>70Ra	3	6	1
Blue	120°	GL018 T BLUE	-	-	-	-

### GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

### WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

### LED DRIVERS

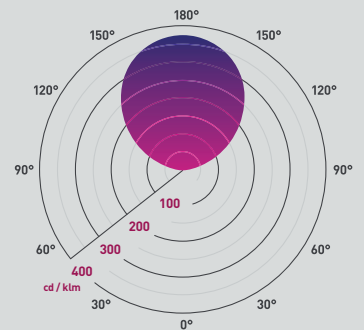
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30
PS5024	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100
PSDIP10024	-	Yes	Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED drivers see page 264

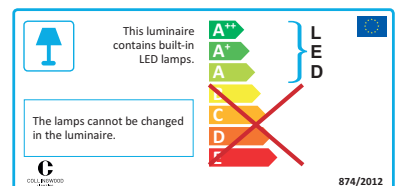
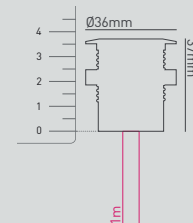
### ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272



### 4000K 120°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



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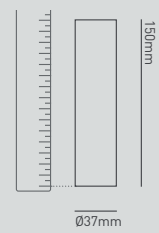
TUBE/33 TUBE/50 TUBE/68



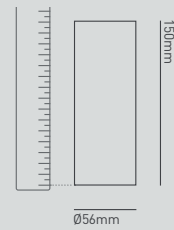
## FEATURES & BENEFITS

- > Use in concrete as shutter / formwork
- > Use in slabs to retain soil / sand

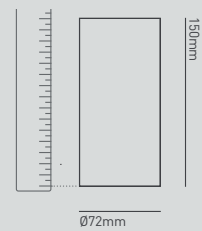
### TUBE/33



### TUBE/50



### TUBE/68



## TUBE/33 | TUBE/50 | TUBE/68

Installation tubes



TUBE/33



TUBE/50



TUBE/68

### PRODUCT DATA

Product code	TUBE/33	(Small)
	TUBE/50	(Medium)
	TUBE/68	(Large)

### GENERAL

Construction material	Anodised aluminium
-----------------------	--------------------

### USE IN CONJUNCTION WITH

TUBE/33	TUBE/50	TUBE/68			
GL019	115	GL016	112	GL040	109
GL019 LG	116	GL016 F AB	113	GL040CARGB	245
GL019 SQ	117	GL016RGBW	247	GL041	110
		GL016 SQ	112	GL050	111
		GL021	114	GL050RGBW	246
		GL022	114	GL051	111
				GL090	108
				GL090RGBW	244
				GL063	106
				GL064	106







# WALL LIGHTS

To create secure and adventurous spaces



## CHOOSE YOUR EFFECT & HOW TO CREATE IT

Highlight a great piece of 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 the effect using...



### WL070A

This up / down light produces a narrow and concentrated beam of light upwards and downwards. Best where there is more height for you to appreciate the full effect of the columns of light, these fittings are great for framing doors and windows.



### WL075A

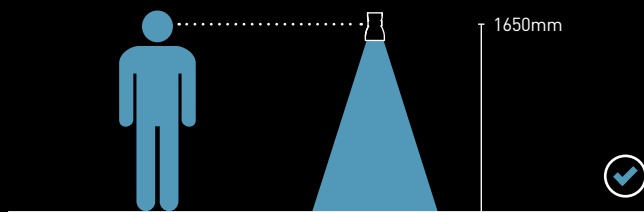
The narrow, intense beam of this wall light will enhance the texture of the surface upon which it is mounted. It works very well on uneven stone and provides plenty of contrast between areas of light and shade.



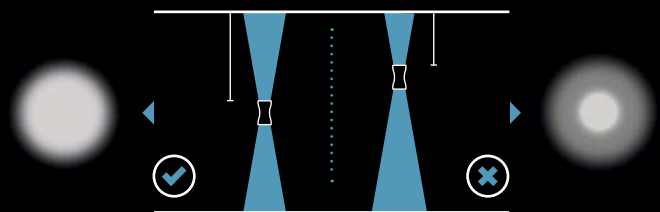
### MC050

If you want to mix practicality with a touch of drama, this fitting does the job. Its wide-angle downwards beam lights a broad area while the narrow flume of up-light creates visual interest and adds a touch of glamour.

## POSITIONING OF LIGHTS



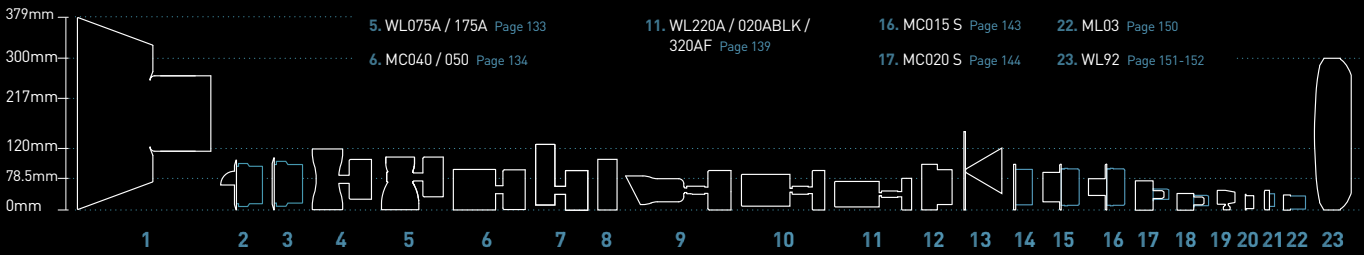
A general guide for the height of wall lights is 1650mm from floor / ground level (roughly eye level to a person of 5ft 8in).



To avoid hot spots when using up / down lights to frame doors and windows with attractive columns of light, ensure they are not positioned too close to the ceiling or other horizontal surfaces. Also, remember to check what will be highlighted by your fitting, above or below.

# SIZE COMPARISON

- |   |                                       |                      |                                    |
|---|---------------------------------------|----------------------|------------------------------------|
| 1. WL261 / 262 Page 128                 | 7. WL060 / 160 Page 135               | 12. WL041IP Page 140 | 18. MC010 S Page 145               |
| 2. GL034A Page 129                      | 8. OCTOLED Page 136                   | 13. WL80 Page 141    | 19. MF02 IP / MS02 IP Page 146-147 |
| 3. WL339 / 340 / 341 / 342 Page 130-131 | 9. WL240A F / 140A F Page 137         | 14. WL050 Page 142   | 20. ML01 Page 148                  |
| 4. WL070A / 170A / 370A Page 132        | 10. WL220A MAINS Page 138             | 15. MC025 S Page 143 | 21. ML02 Page 149                  |
| 5. WL075A / 175A Page 133               | 11. WL220A / 020ABLK / 320AF Page 139 | 16. MC015 S Page 143 | 22. ML03 Page 150                  |
| 6. MC040 / 050 Page 134                 |                                       | 17. MC020 S Page 144 | 23. WL92 Page 151-152              |



Check out our wall light comparison video on the Collingwood Lighting YouTube channel or call 01604 495 151 to speak to our design team.



## MC040

This clean, contemporary looking fitting provides a broad spread of light. It is great for lighting the threshold of any doorway and providing some general illumination as well as highlighting plants below.



## WL060

This fitting provides a diffused decorative light from its top, and a broad spread of down-light which will light the threshold of your doorway. Ensuring both comfort and safety, as well as highlighting any pots or planting positioned below.

# MICROWAVE SENSORS

Microwave sensors send out microwave pulses, these bounce off of nearby objects, measuring the reflections.

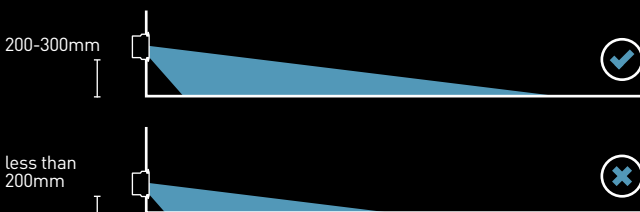


When a moving object enters the area the sensor receives a new reflection, which trips the sensor and turns on the light.



# QUALITY OF PRODUCT

You can be confident that your outdoor lighting will stand up to all types of weather. Collingwood wall lights are made from marine grade stainless steel, anodised aluminium or copper and backed up with an exceptional warranty wherever you see the symbols below. Whether your lighting project is indoors or outdoors, large or small, add the wow factor with Collingwood wall lights.



The range also offers recessed wall fittings providing options for path and step lighting, indoors and out. To light pathways and steps mount these wall fittings 200-300mm above surface level to spread light across the step or path.



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LIGHTING



WL070A  
For size reference only

FEATURES & BENEFITS

- > IP mains connector included
- > Complete with wall fixings
- > Matt silver, sand blasted & anodised finish ensuring longevity
- > Low glare

WL261 | WL262

Large, straight to mains, one way LED wall light | Large, straight to mains up, / down LED wall light



Suitable for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

WL261

WL262

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	38°	WL261FNW	22	>80Ra	1500	68	3786
	18°	WL261SNW*	22	>80Ra	1500	68	11695
	38°	WL262FNW	40	>80Ra	3000†	75	3786‡
	18°	WL262SNW*	40	>80Ra	3000†	75	11695‡
3000K	38°	WL261FWW	22	>80Ra	1350	61	3315
	18°	WL261SFWW*	22	>80Ra	1350	61	9154
	38°	WL262FWW	40	>80Ra	2700†	68	3315‡
	18°	WL262SFWW*	40	>80Ra	2700†	68	9154‡

\* Spot version to order only, 90-day lead time | † Combined total from both sets of LED | ‡ Per module

GENERAL

Building regulations	P (electrical separated) & L (conservation of energy)
Construction material	Anodised aluminium
Inrush current	45A 0.02ms

WIRING

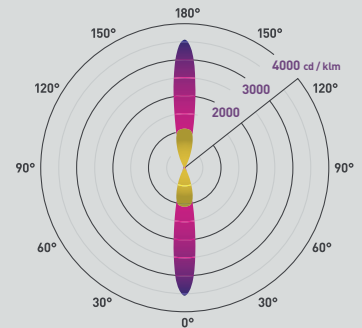
Cable / flying lead	Supplied with 2pc male / female IP65 connector, 5-9mm cable outer diameter
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

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

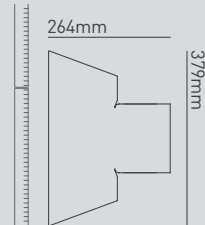
ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



WL262 4000K 18° / 4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red)

874/2012



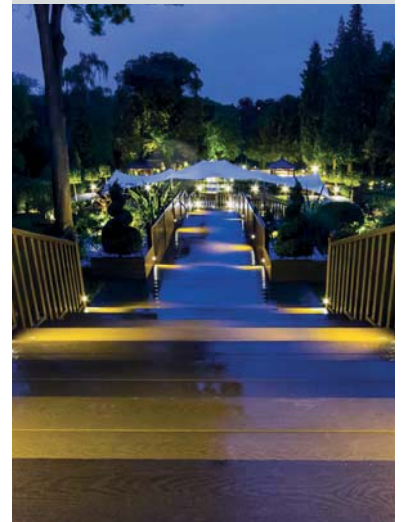


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- Equivalent to 20W halogen
- Straight to mains for easy installation and retrofitting
- Installation tube included
- 1m H05RN-F rubber cable attached for permanent use outdoors



GL034A

Straight to mains hooded LED wall / ground light

**IP67** Protected against temporary immersion      **G** 7-year extended warranty available

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)      ZONE      L70, B10      3SDCM

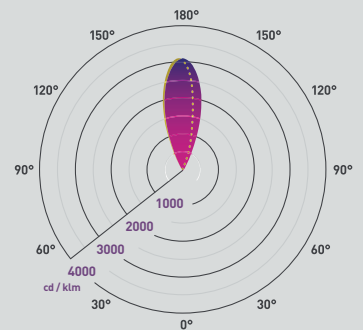
PHOTOMETRICS @ 25°C						
Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	GL034A NW	>70Ra	193	54	478
3000K	38°	GL034A WW	>80Ra	121	34	186

GENERAL	
Construction material	Stainless steel 316 (top) / aluminium (body)
Inrush current	9A 0.8ms

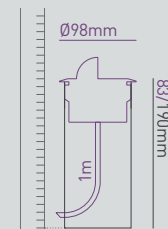
WIRING	
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS						
Product code	mA	Dimming	Bathroom zone	Min	Max	
N/A (integrated SELV driver)	-	No	2	-	-	

ACCESSORIES		
Product code	Description	
Installation tube included		
JB5	Gel filled junction box	281
WC 5-9	Quick release waterproof joint	280



4000K 38° C0/C180 / 4000K 38° C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **A++** **A+** **A** **B** **C** **D** **E** } LED

The lamps cannot be changed in the luminaire.

COLLINGWOOD LIGHTING 874/2012



COLLINGWOOD  
LIGHTING

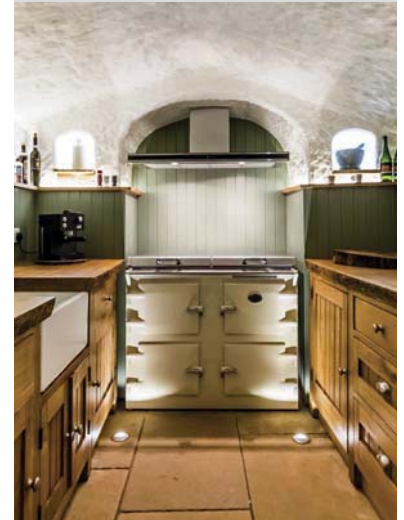
WL339

WL340



## FEATURES & BENEFITS

- Can be used as a wall light or ground light
- Straight to mains
- Installation tube included
- 1m H05RN-F rubber cable attached for permanent use outdoors



## WL339 | WL340

Asymmetric, straight to mains, cast finish step light | Asymmetric, straight to mains, brush finish step light



Protected against temporary immersion



7-year extended warranty available



ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	50°	WL339NW	>70Ra	59	22	65
	50°	WL340NW	>70Ra	59	22	65
3000K	50°	WL339WW	>80Ra	50	19	54
	50°	WL340WW	>80Ra	50	19	54

### GENERAL

Construction material	Stainless steel 316
Inrush current	9A 0.8ms

### WIRING

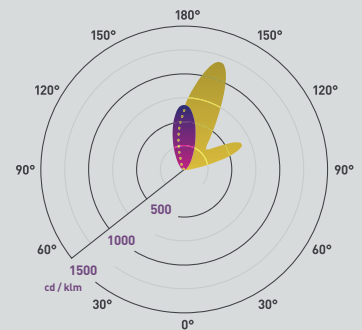
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

### LED DRIVERS

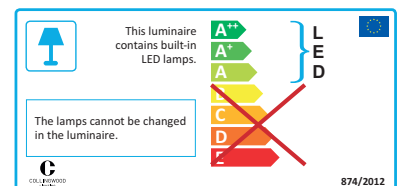
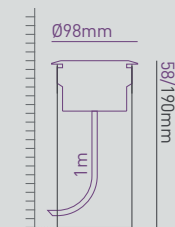
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

### ACCESSORIES

Product code	Description	
Installation tube included		
JB5	Gel filled waterproof connector	281
WC 5-9	Quick release waterproof joint	280



4000K 50° C0/C180 / 4000K 50° C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





COLLINGWOOD  
LIGHTING

WL341



WL342



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

WL341 | WL342

Asymmetric, straight to mains, cast finish step light | Asymmetric, straight to mains, brush finish step light



Protected against temporary immersion



7-year extended warranty available



2.6W

240V



30°C

±35°C



2

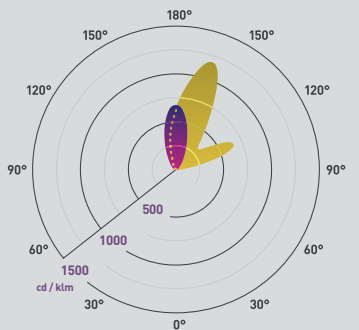
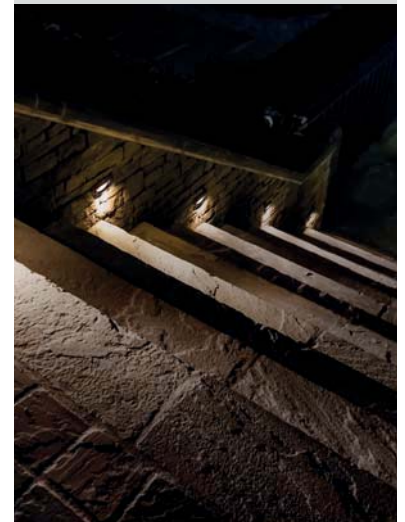
L70, B10



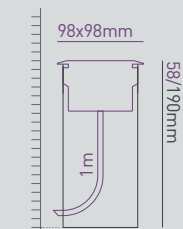
ZONE

L70, B10

3SDCM



4000K 50° C0/C180 / 4000K 50° C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	50°	WL341NW	>70Ra	59	22	65
	50°	WL342NW	>70Ra	59	22	65
3000K	50°	WL341WW	>80Ra	50	19	54
	50°	WL342WW	>80Ra	50	19	54

GENERAL

Construction material	Stainless steel 316
Inrush current	9A 0.8ms

WIRING

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

ACCESSORIES

Product code	Description	
Installation tube included		
JB5	Gel filled junction box	281
WC 5-9	Quick release waterproof joint	280



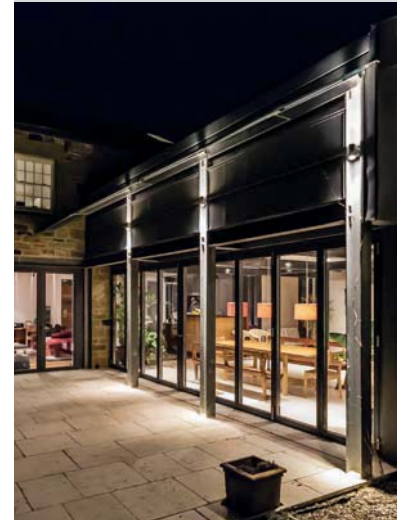


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- Complete with wall fixings and waterproof crimp connectors
- Equivalent to 35W halogen
- Copper for antique effect (WL370A)



WL070A | WL170A | WL370A

Straight to mains, up / down LED wall light

Suitable for use outdoors  
 7-year extended warranty available  
 Also available in RGBW (WL070A) See page 248

18°  
 8W  
 240V  
 31°C  
 1.39°C  
 1kg  
 2.5kg  
 2  
 70,000h  
 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	18°	WL070A NW	>70Ra	472* 236*	59	1000
	18°	WL170A NW	>70Ra	472* 236*	59	1000
	18°	WL370A NW	>70Ra	472* 236*	59	1000
3000K	18°	WL070A WW	>80Ra	400* 200*	50	900
	18°	WL170A WW	>80Ra	400* 200*	50	900
	18°	WL370A WW	>80Ra	400* 200*	50	900

\* Combined total from both sets of LED | \*Per module

GENERAL

Construction material	WL070A / WL170A: anodised aluminium	WL370A: copper
Inrush current	5A 0.5ms	

WIRING

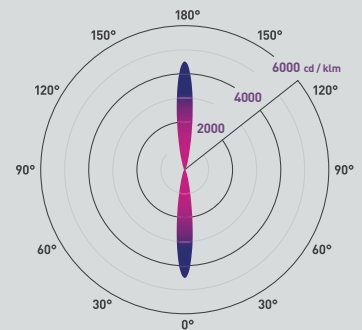
Cable / flying lead	0.3m Live, Neutral & Earth
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

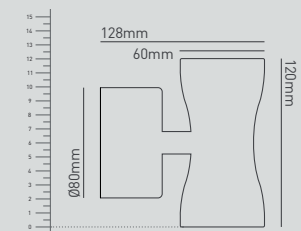
ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



4000K 18°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
   
 Energy efficiency scale: A++ (green), A+ (green), A (yellow), C (orange), D (red), E (red).
   
 The lamps cannot be changed in the luminaire.

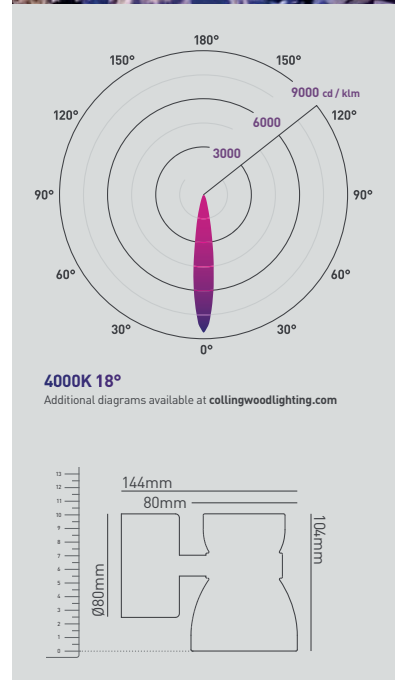


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Complete with wall fixings and waterproof crimp connectors
- › Equivalent to 35W halogen



4000K 18°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A+ A A C D E

874/2012

WL075A | WL175A

Straight to mains, high output LED wall light



Suitable for use outdoors



7-year extended warranty available



Also available in RGB (WL075A) See page 249



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE L70, B10 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	18°	WL075A NW	>70Ra	414	52	4680
	18°	WL175A NW	>70Ra	414	52	4680
3000K	18°	WL075A WW	>80Ra	330	41	4440
	18°	WL175A WW	>80Ra	330	41	4440

GENERAL

Construction material	Anodised aluminium
Inrush current	15A 0.5ms

WIRING

Cable / flying lead	0.3m Live, Neutral & Earth
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

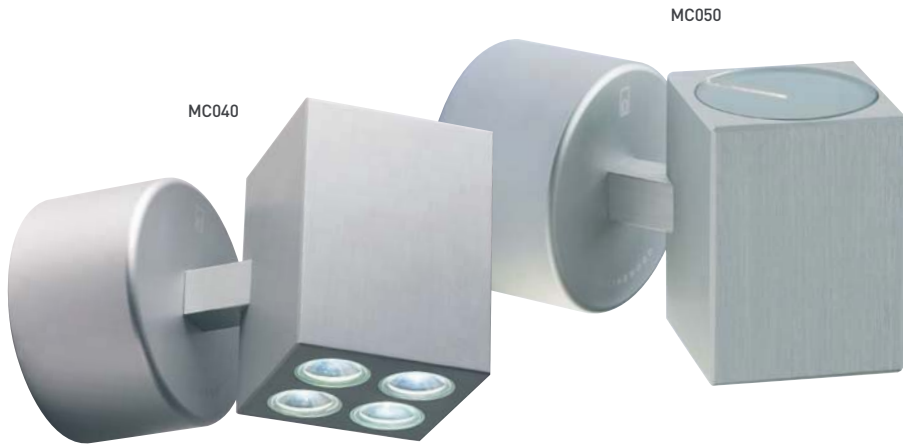
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	Yes	2	-	-

ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



COLLINGWOOD  
LIGHTING



### FEATURES & BENEFITS

- › Complete with wall fixings and waterproof crimp connectors
- › Integral LED light for decorative effect (MC050)
- › Equivalent to 35W halogen

## MC040 | MC050

Straight to mains LED wall light | Straight to mains LED wall light with decorative effect

IP65

Suitable for use outdoors

7-year extended warranty available

7-year extended warranty available

110°

9W | 6.5W

240V

<40°C

±35°C

900g

2

L70, B10

35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

#### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	110°	MC040 NW	5	>70Ra	312	62	163
	110°	MC050 NW	6.5	>70Ra	312	48	163
3000K	110°	MC040 WW	5	>80Ra	243	48	118
	110°	MC050 WW	6.5	>80Ra	243	37	118

#### GENERAL

Construction material	Anodised aluminium
Inrush current	9A 0.8ms

#### WIRING

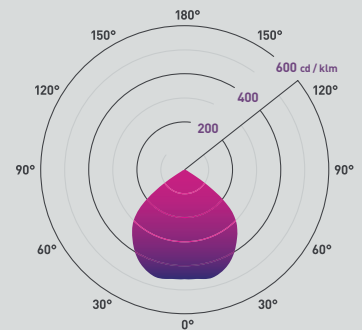
Cable / flying lead	0.3m Live, Neutral & Earth
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

#### LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

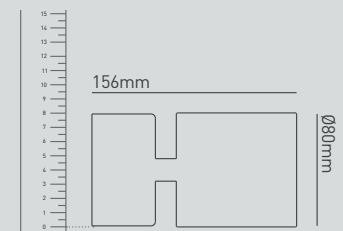
#### ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



MC040 4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

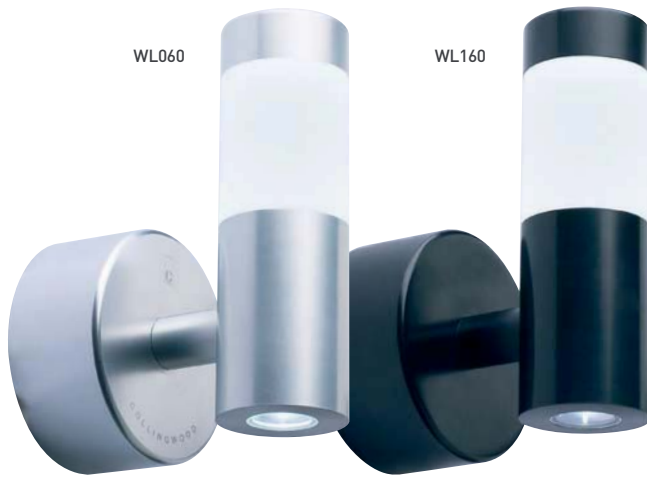
874/2012







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LIGHTING



FEATURES & BENEFITS

- › Complete with wall fixings and waterproof crimp connectors
- › Halo effect for decoration
- › LED flood light for illumination



WL060 | WL160

Straight to mains LED halo / flood wall light



Suitable for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	WL060 NW	>70Ra	82	32	46
	110°	WL160 NW	>70Ra	82	32	46
3000K	110°	WL060 WW	>80Ra	58	22	26
	110°	WL160 WW	>80Ra	58	22	26

GENERAL

Construction material	Anodised aluminium
Inrush current	9A 0.8ms

WIRING

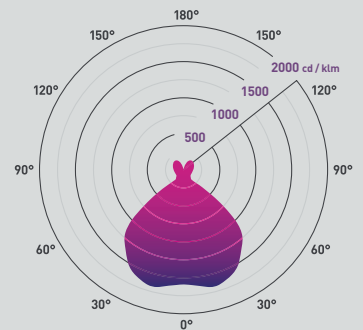
Cable / flying lead	0.3m Live, Neutral & Earth
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

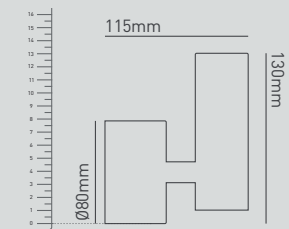
ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

A+

A

A

B

C

D

E

LED

The lamps cannot be changed in the luminaire.

874/2012



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LIGHTING



## FEATURES & BENEFITS

- > Can be rotated to direct light
- > Complete with wall fixings

## OCTOLED

Rotatable, octagonal LED wall light



Suitable for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	12°	OCTOLEDNW	>70Ra	280	70	1485*
3000K	12°	OCTOLEDWW	>80Ra	220	55	1466*

\* From four sides

### GENERAL

Construction material: Anodised aluminium

### WIRING

Cable / flying lead: 0.05m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required: Series

### LED DRIVERS

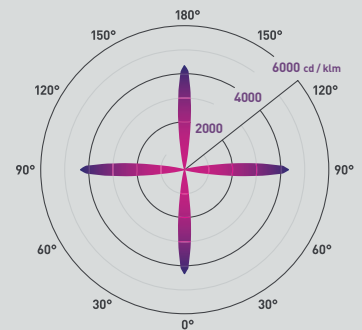
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

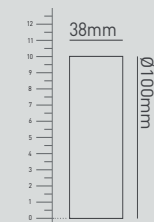
### ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



### 4000K 12°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012





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LIGHTING

WL140A F

WL240A F



FEATURES & BENEFITS

- › Equivalent to 35W halogen
- › Complete with wall fixings and waterproof crimp connectors
- › Adjustable angle to direct light
- › Cowl design to reduce glare
- › Suitable for indoor and outdoor use

WL140A F | WL240A F

Straight to mains LED wall light



Suitable for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	WL140AFNW	>70Ra	520	65	1471
	38°	WL240AFNW	>70Ra	520	65	1471
3000K	38°	WL140AFWW	>80Ra	413	52	1168
	38°	WL240AFWW	>80Ra	413	52	1168

GENERAL

Construction material	Anodised aluminium
Inrush current	15A 0.5ms

WIRING

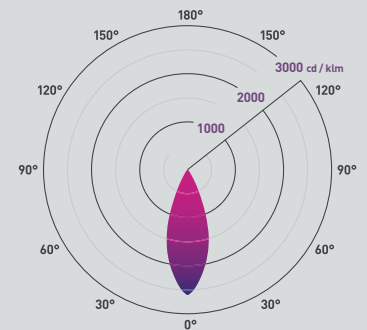
Cable / flying lead	0.3m Live, Neutral & Earth
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	Yes	2	-	-

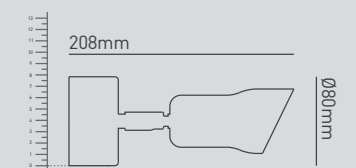
ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A++

LED

874/2012





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LIGHTING



## FEATURES & BENEFITS

- › Equivalent to 20W halogen
- › Complete with wall fixings and waterproof crimp connectors
- › Adjustable angle to direct light
- › Suitable for indoor and outdoor use

## WL220A MAINS

Straight to mains LED wall light

IP65

Suitable for use outdoors

3

3-year extended warranty available

18/38°

3.6W

240V

90°

330°

40°C

1/35°C

1kg

2

70,000h

35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	WL220A MAINS F NW	>70Ra	310	86	705
	18°	WL220A MAINS S NW	>70Ra	310	86	2823
3000K	38°	WL220A MAINS F WW	>80Ra	265	74	602
	18°	WL220A MAINS S WW	>80Ra	265	74	2413

### GENERAL

Construction material	Anodised aluminium
Inrush current	9A 0.8ms

### WIRING

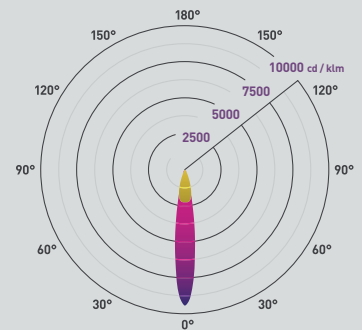
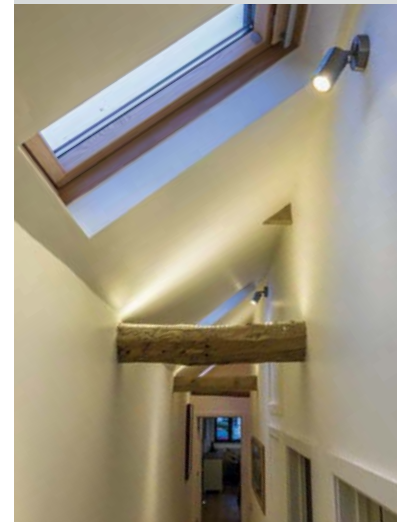
Cable / flying lead	0.3m Live, Neutral & Earth
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

### LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

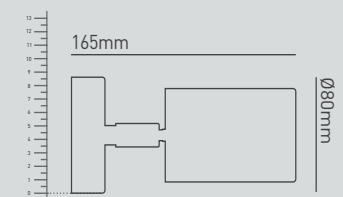
### ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



4000K 18° / 4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

A++

A+

A

C

D

E

}

LED

874/2012



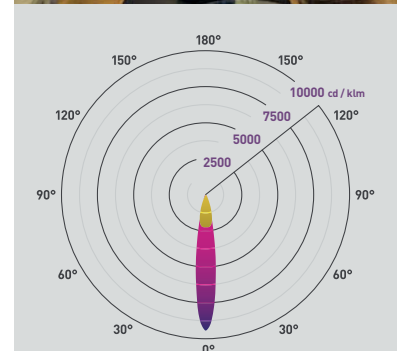


COLLINGWOOD  
LIGHTING

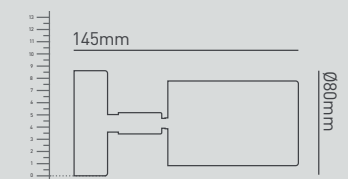


FEATURES & BENEFITS

- › Equivalent to 20W halogen
- › Complete with wall fixings
- › Adjustable angle to direct light
- › Copper for antique effect (WL320A)
- › Suitable for indoor and outdoor use



4000K 18° / 4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012

WL220A | WL020A BLK | WL320A  
LED wall light



Suitable for use outdoors



3-year extended warranty available



Also available in RGB (WL220A / WL020A) See page 250



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

WL220A / WL020A WL320A ZONE L70, B10 35DCM

PHOTOMETRICS @ 25°C

Colour	Angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	WL220A F NW	>70Ra	310	103	705
	18°	WL220A S NW	>70Ra	310	103	2823
	38°	WL020A BLK F NW	>70Ra	310	103	705
	18°	WL020A BLK S NW	>70Ra	310	103	2823
3000K	38°	WL320A F NW	>70Ra	310	103	705
	38°	WL220A F WW	>80Ra	265	88	602
	18°	WL220A S WW	>80Ra	265	88	2413
	38°	WL020A BLK F WW	>80Ra	265	88	602
	18°	WL020A BLK S WW	>80Ra	265	88	2413
	38°	WL320A F WW	>80Ra	265	88	602

GENERAL

Construction material WL220A / WL020A: Anodised aluminium WL320A: Copper

WIRING

Cable / flying lead 0.05 (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	1	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3

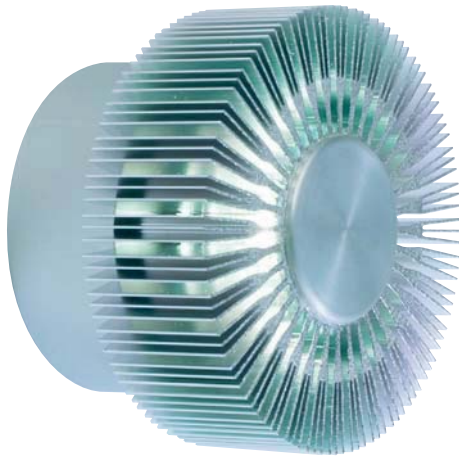
For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



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LIGHTING



## FEATURES & BENEFITS

- › Fan effect creates decorative feature
- › Straight to mains
- › Complete with bracket and waterproof crimp connectors



## WL041IP

Straight to mains, fan effect LED wall light

IP65

Suitable for use outdoors



7-year extended warranty available

1.6W

240V

29°C

±35°C

300g

2

70,000h

35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K	WL041 IP NW	>70Ra	37	23	8
3000K	WL041 IP WW	>80Ra	33	21	6
Amber	WL041 IP AMBER	-	-	-	-
Blue	WL041 IP BLUE	-	-	-	-

### GENERAL

Construction material	Anodised aluminium
Inrush current	9A 0.8ms

### WIRING

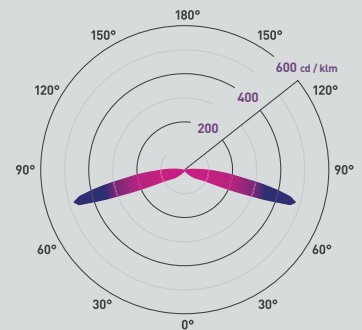
Cable / flying lead	-
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

### LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

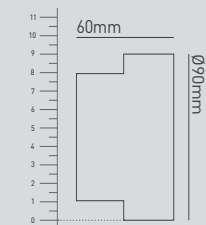
### ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



### 4000K

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

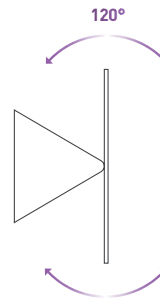
874/2012





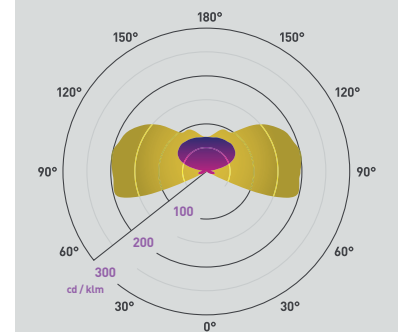
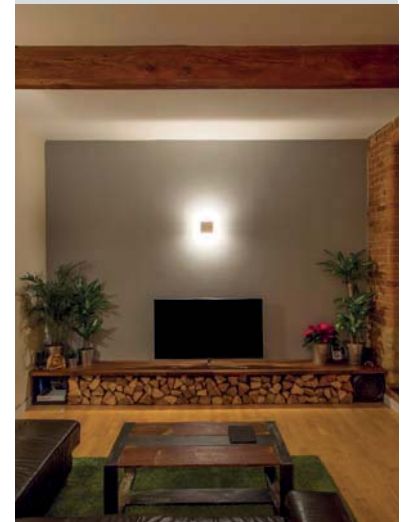


COLLINGWOOD  
LIGHTING

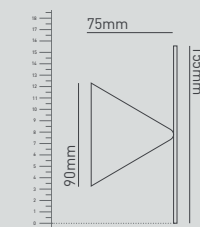


### FEATURES & BENEFITS

- › Tilttable LED wall light
- › Direct light towards the ceiling to flood the room with light
- › Direct light towards the floor for low level lighting
- › Direct light evenly up and down



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

Collingwood Lighting logo and date: 874/2012

## WL80

Straight to mains, tilttable LED wall light

IP20

Suitable for use indoors

3 yr

3-year guarantee

7.1W

4000K

5.4W

3000K

240V

120°

25°C

1.40°C

500g

38,000h

### PHOTOMETRICS @ 25°C

Colour	Adjustable	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	Adjustable	WL80GX0X40	7.1	>85Ra	385*	54	49†
3000K	Adjustable	WL80GX0X30	5.4	>85Ra	325*	60	49†

\* Combined total from both sets of LED | † Per module

### GENERAL

Construction material	Aluminium
Inrush current	0.7A, 0.025ms

### WIRING

Cable / flying lead	-
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

### LED DRIVERS

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

### ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	

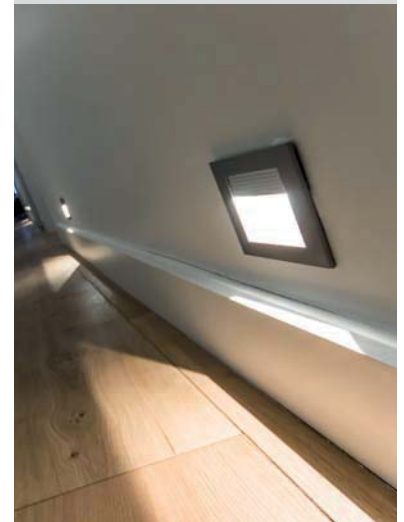


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Plug & Play connector for quick installation
- > Wall box available



WL050

LED wall / step light

IP20

Suitable for use indoors

1 yr

1-year guarantee



35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	84°	WL050 NW	>80Ra	62	52	23
3000K	84°	WL050 WW	>80Ra	29	24	13
Blue	84°	WL050 BLUE	-	-	-	-

GENERAL

Construction material	Aluminium
-----------------------	-----------

WIRING

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

NB: Removal of plugs will render this product non-returnable

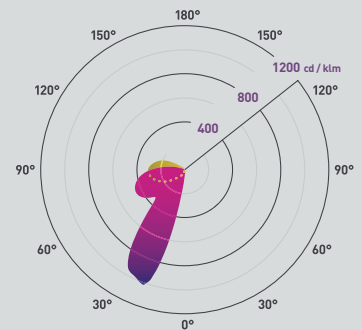
LED DRIVERS

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

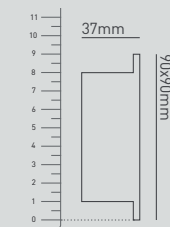
For additional LED drivers see page 264

ACCESSORIES

Product code	Description	Price
WL050 WALL BOX	Wall box for WL050	154
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



4000K 84° C0/C180 / 4000K 84° C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++

874/2012



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Straight to mains
- › Complete with wall fixings and waterproof crimp connectors
- › Pattress box included



MC015 S | MC025 S

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

- IP20 Suitable for use indoors
- 7-year extended warranty available

- 12°
- 1.5W MC015
- 2.3W MC025
- 240V
- 38°C MC015
- 30°C MC025
- ≥35°C
- 200g
- 70,000h L70, B10
- 3SDCM

PHOTOMETRICS @ 25°C							
Colour	Beam angle	Product code	W	CRI	lm	lm/W	Lx at 1m
4000K	12°	MC015 S NW	1.5	>70Ra	70	47	1485
	12°	MC025 S NW	2.3	>70Ra	140	61	1485
3000K	12°	MC015 S WW	1.5	>80Ra	55	37	1466

GENERAL

Construction material	Anodised aluminium
Inrush current	9A 0.8ms

WIRING

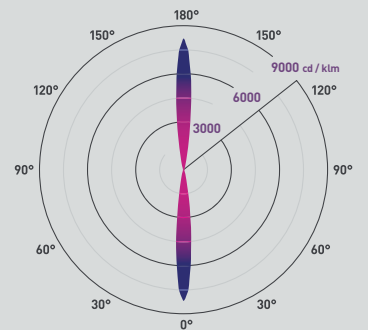
Cable / flying lead	-
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

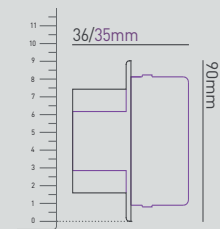
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



MC025 S 4000K 12°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012



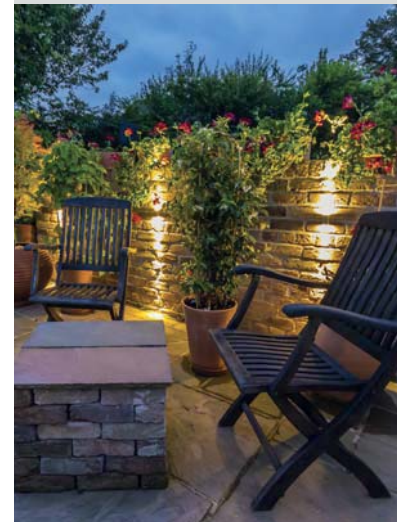


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Bespoke wall plug for easy installation
- > Quality brushed aluminium finish
- > Requires 20mm drill



MC020 S

Up / down mini cuboid LED wall light

IP65

Suitable for use outdoors



7-year extended warranty available

12°

2W

Ø20

360°

39°C

±35°C

150g

1

L70, B10

35DCM

ZONE L70, B10 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	12°	MC020 S NW	>70Ra	140	70	1485
3000K	12°	MC020 S WW	>80Ra	110	55	1466
Amber	12°	MC020 S AMBER	-	-	-	-
Blue	12°	MC020 S BLUE	-	-	-	-
Green	12°	MC020 S GREEN	-	-	-	-
Red	12°	MC020 S RED	-	-	-	-

GENERAL

Construction material Anodised aluminium

WIRING

Cable / flying lead 0.15m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series

LED DRIVERS

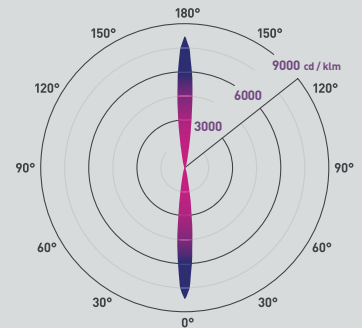
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

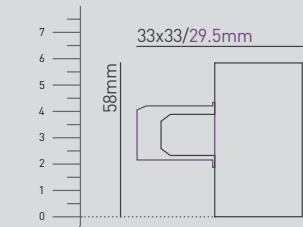
ACCESSORIES

Product code	Description	
CR135	PTFE cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
UY2 CONNECTOR	Quick waterproof connector	280



4000K 12°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012



COLLINGWOOD  
LIGHTING



### FEATURES & BENEFITS

- › Bespoke wall plug for easy installation
- › Quality brushed aluminium finish
- › Requires 20mm drill

## MC010 S

Mini cube LED wall light



Suitable for use outdoors



7-year extended warranty available



ZONE L70, B10



35DCM

#### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	12°	MC010 S NW	>70Ra	70	70	1485
3000K	12°	MC010 S WW	>80Ra	55	55	1466
Amber	12°	MC010 S AMBER	-	-	-	-
Blue	12°	MC010 S BLUE	-	-	-	-
Green	12°	MC010 S GREEN	-	-	-	-
Red	12°	MC010 S RED	-	-	-	-

#### GENERAL

Construction material Anodised Aluminium

#### WIRING

Cable / flying lead 0.15m (0.205mm² red & black PTFE)

Type of wiring required Series

#### LED DRIVERS

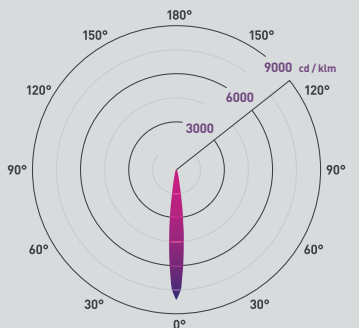
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

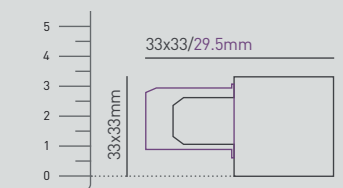
#### ACCESSORIES

Product code	Description	
CR135	PTFE cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
UY2 CONNECTOR	Quick waterproof connector	280



#### 4000K 12°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

A+

A

A

A

B

C

D

E

LED

The lamps cannot be changed in the luminaire.

874/2012



## FEATURES & BENEFITS

- › Mounting plates available
- › Can be rotated and angled to direct light



## MF02 IP

Adjustable LED mini light

IP65

Suitable for use outdoors



7-year extended warranty available

16°

1W

45°

360°

<35°C

±35°C

90g

1

L70, B10

35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	16°	MF02 IP NW	>70Ra	66	66	452
3000K	16°	MF02 IP WW	>80Ra	53	53	252
Amber	16°	MF02 IP AMBER	-	-	-	-
Blue	16°	MF02 IP BLUE	-	-	-	-
Green	16°	MF02 IP GREEN	-	-	-	-
Red	16°	MF02 IP RED	-	-	-	-

### GENERAL

Construction material: Stainless steel (316)

### WIRING

Cable / flying lead: 0.15m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required: Series

### LED DRIVERS

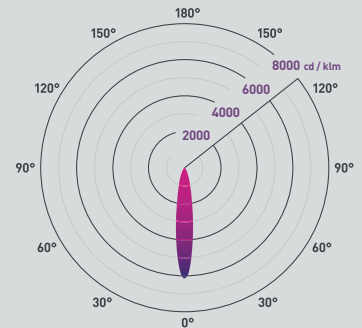
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

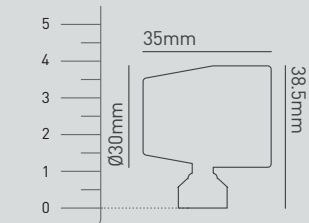
### ACCESSORIES

Product code	Description	
WB/M 01 / WB/M 02	Single bracket / double bracket	153
CR135	PTFE cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
UY2 CONNECTOR	Quick waterproof connector	280



### 4000K 16°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012







## FEATURES & BENEFITS

- › Mounting plates available
- › Can be rotated and angled to direct light



## MS02 IP

Adjustable LED mini light

- IP65** Suitable for use outdoors
- 7-year extended warranty** available

- 12° beam angle
- 1W power
- 45° tilt
- 360° rotation
- <math>-35^{\circ}\text{C}</math> temperature
- 35°C temperature
- 90g weight
- 1 ZONE
- 70,000h lifespan
- 35DCM beam diameter

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	12°	MS02 IP NW	>70Ra	73	73	2160
3000K	12°	MS02 IP WW	>80Ra	50	50	2000
Amber	12°	MS02 IP AMBER	-	-	-	-
Blue	12°	MS02 IP BLUE	-	-	-	-
Green	12°	MS02 IP GREEN	-	-	-	-
Red	12°	MS02 IP RED	-	-	-	-

### GENERAL

Construction material: Stainless steel (316)

### WIRING

Cable / flying lead: 0.15m (0.205mm<sup>2</sup> red & black PTFE)  
 Type of wiring required: Series

### LED DRIVERS

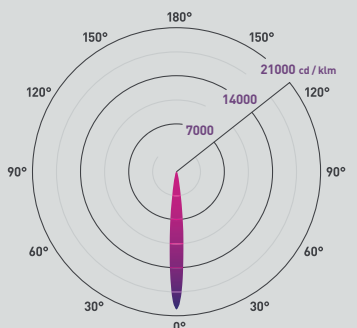
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

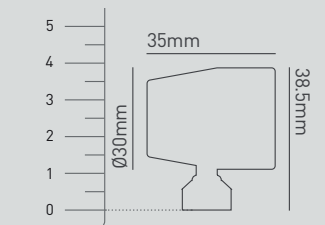
### ACCESSORIES

Product code	Description	
WB/M 01 / WB/M 02	Single bracket / double bracket	153
CR135	PTFE cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
UY2 CONNECTOR	Quick waterproof connector	280



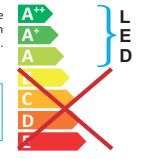
### 4000K 12°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.



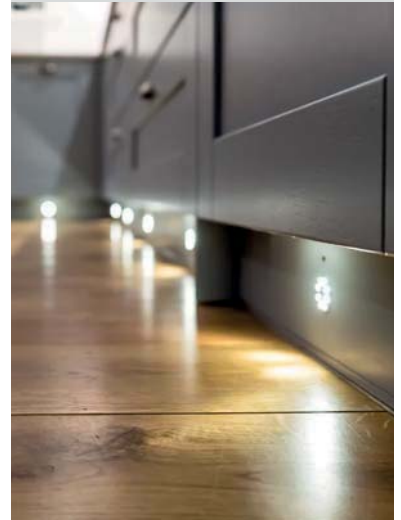
LED

874/2012



## FEATURES & BENEFITS

› Small & discreet decorative LED light



## ML01

Decorative LED mini light

IP68

Submersible to 9m



7-year extended warranty available

1W

82%

46°C

±35°C

50g

0

70,000h

35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K	ML01 NW	>70Ra	4	4	0
3000K	ML01 WW	>80Ra	3.6	3	0
Amber	ML01 AMBER	-	-	-	-
Blue	ML01 BLUE	-	-	-	-
Green	ML01 GREEN	-	-	-	-
Red	ML01 RED	-	-	-	-

### GENERAL

Construction material: Stainless steel (316)

### WIRING

Cable / flying lead: 1m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required: Series

### LED DRIVERS

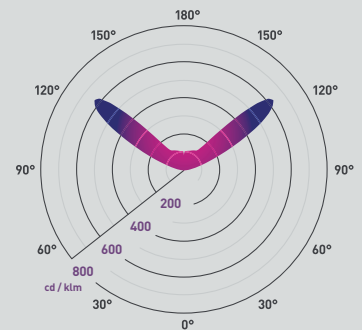
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

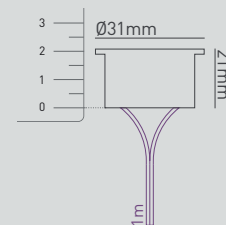
### ACCESSORIES

Product code	Description	
CR135	0.205mm <sup>2</sup> PTFE cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
UY2 CONNECTOR	Quick waterproof connector	280



### 4000K

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012



## FEATURES & BENEFITS

- › Clear epoxy lenses
- › Small & discreet for decorative effect



## ML02

Decorative LED mini light

IP68

Submersible to 9m



7-year extended warranty available

1W

82%

41°C

±35°C

90g

0

70,000h

3SDCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

3SDCM

### PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K	ML02 NW	>70Ra	35	35	4
3000K	ML02 WW	>80Ra	24	24	3
Amber	ML02 AMBER	-	-	-	-
Blue	ML02 BLUE	-	-	-	-
Green	ML02 GREEN	-	-	-	-
Red	ML02 RED	-	-	-	-

### GENERAL

Construction material: Stainless steel (316)

### WIRING

Cable / flying lead: 1m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required: Series

### LED DRIVERS

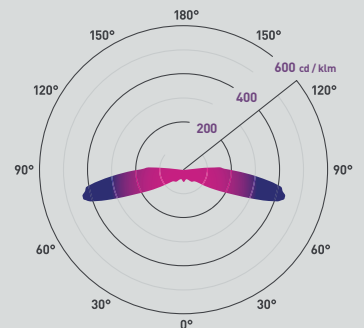
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 266

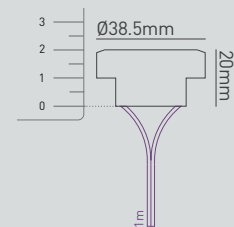
### ACCESSORIES


Product code	Description	
CR135	PTFE cable	283
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	282
UY2 CONNECTOR	Quick waterproof connector	282



### 4000K

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





This luminaire contains built-in LED lamps.

A+

A

A

B

C


D

E

}

LED

The lamps cannot be changed in the luminaire.



874/2012



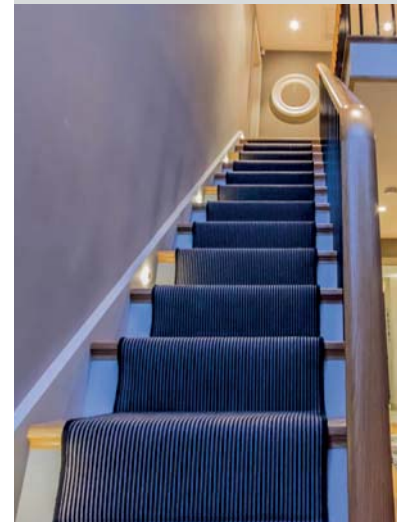


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Low glare, suitable for stair lighting
- › Small & discreet for decorative effect



ML03

Mini halo LED wall light



Suitable for use outdoors



7-year extended warranty available



ZONE



L70, B10



35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Product code	CRI	lm	lm/W	lx at 1m
4000K	ML03 NW	>70Ra	40	40	4
3000K	ML03 WW	>80Ra	28	28	3
Amber	ML03 AMBER	-	-	-	-
Blue	ML03 BLUE	-	-	-	-
Green	ML03 GREEN	-	-	-	-
Red	ML03 RED	-	-	-	-

GENERAL

Construction material: Anodised aluminium

WIRING

Cable / flying lead: 1m (0,205mm<sup>2</sup> red & black PTFE)  
 Type of wiring required: Series

LED DRIVERS

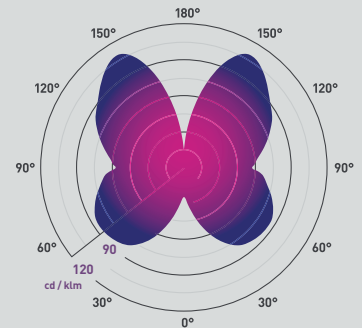
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

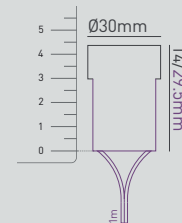
ACCESSORIES

Product code	Description	
CR135	PTFE cable	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
UY2 CONNECTOR	Quick waterproof connector	280



4000K

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

874/2012



COLLINGWOOD  
LIGHTING

NEW



Ø300mm



FEATURES & BENEFITS

- › Ideal for corridors, stairwells, high traffic and general areas
- › High efficacy of up to 111lm/W
- › Emergency version exceeds min. requirement for light output
- › Class II (no earth required)
- › Earth terminal provided for earth termination (if required)
- › Supplied with fixings for ease of installation

WL92

Straight to mains, general purpose LED bulkhead

IP65

Suitable for use outdoors

EM

Emergency versions available

3yr

3-year guarantee

110°

14.6W

240V

25°C

±40°C

IK08

900g

2

25,000h

ZONE

L70, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	WL92KC1X40	>85Ra	1620	111	612
3000K	110°	WL92KC1X30	>85Ra	1450	99	547

EMERGENCY PACK SERVICE OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	WL92KC1E40	>85Ra	1620 162*	111	612
3000K	110°	WL92KC1E30	>85Ra	1450 145*	99	547

\* Operating lumens in maintained emergency mode

GENERAL

Construction material	PMMA plastic
Inrush current	7.1A, 0.05ms

WIRING

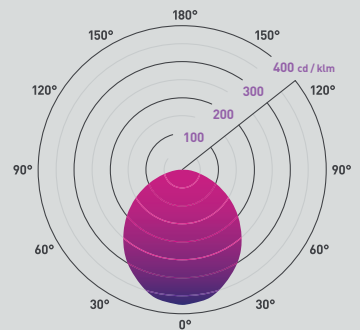
Cable / flying lead	Push-fit terminals 1.5mm max.
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

Product code	mA	Dimming	Power factor	Bathroom zone	Min	Max
N/A (integrated LED driver)	-	No	0.9	2	-	-

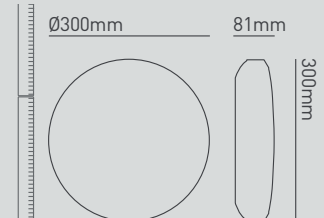
ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012



COLLINGWOOD  
LIGHTING

NEW



Ø300mm



FEATURES & BENEFITS

- › Ideal for corridors, stairwells, high traffic and general areas
- › High efficacy of up to 111lm/W
- › Emergency version exceeds min. requirement for light output
- › Class II (no earth required)
- › Earth terminal provided for earth termination (if required)
- › Supplied with fixings for ease of installation
- › Microwave sensor reduces energy consumption by powering off when the surrounding area is unoccupied

WL92 )))

Straight to mains, general purpose LED bulkhead with microwave sensor

IP65

Suitable for use outdoors

EM

Emergency versions available



Microwave sensor version

3yr

3-year guarantee

110°

14.6W

240V

25°C

±40°C

IK08

900g

2

25,000h

ZONE

L70, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	WL92KC1S40	>85Ra	1620	111	612
3000K	110°	WL92KC1S30	>85Ra	1450	99	547

EMERGENCY PACK SERVICE OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	WL92KC1SE40	>85Ra	1620 162*	111	612
3000K	110°	WL92KC1SE30	>85Ra	1450 145*	99	547

\* Operating lumens in maintained emergency mode

GENERAL

Construction material	PMMA plastic
Inrush current	7.1A, 0.05ms

WIRING

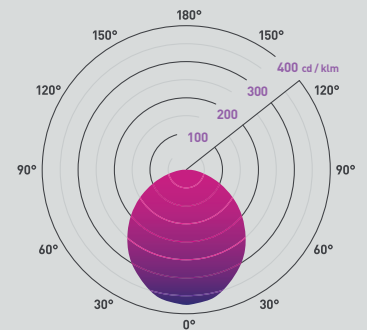
Cable / flying lead	Push-fit terminals 1.5mm max.
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

LED DRIVERS

Product code	mA	Dimming	Power factor	Bathroom zone	Min	Max
N/A (integrated LED driver)	-	No	0.9	2	-	-

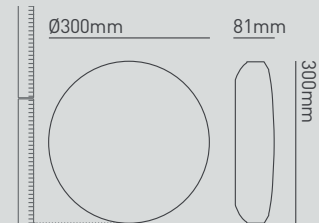
ACCESSORIES

Product code	Description
There are currently no accessories associated with this product	



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

A++ A+ A C D E

LED

874/2012







### WB/M 01

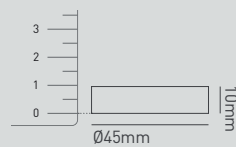
Bracket for MF02 IP & MS02 IP

Product Code	WB/M01
Construction material	Stainless steel 316
Guarantee	1-year

#### USE IN CONJUNCTION WITH

MF02 IP	146
MS02 IP	147

› Complete with wall fixings



### WB/M 02

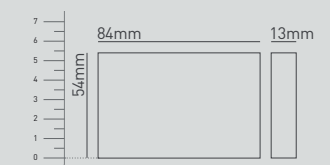
Bracket for MF02 IP & MS02 IP

Product Code	WB/M02
Construction material	Stainless steel 316
Guarantee	1-year

#### USE IN CONJUNCTION WITH

MF02 IP	146
MS02 IP	147

› Complete with wall fixings



### WB/M 02/30°

Angled double bracket for MF02 IP & MS02 IP

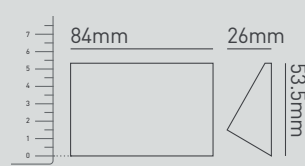
Product Code	WB/M 02/30 DEGREE
Construction material	Stainless steel 316
Guarantee	1-year

#### USE IN CONJUNCTION WITH

MF02 IP	146
MS02 IP	147
WB/M BOX	154

› Complete with wall fixings

› 30° angle





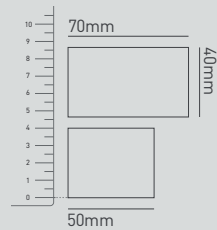
### WB/M BOX

Back box for WB/M 02/30°

Product Code	WB/M BOX
Construction material	Steel
Guarantee	1-year

USE IN CONJUNCTION WITH	
PS288	276
WB/M 02/30°	153

- > Pattress box wall bracket
- > Contains earth connector to house LED Driver



### WL050 WALL BOX

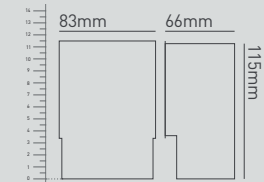
Wall box for WL050



Product Code	WL050 WALL BOX
Construction material	Steel
Guarantee	1-year

USE IN CONJUNCTION WITH	
WL050	142

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

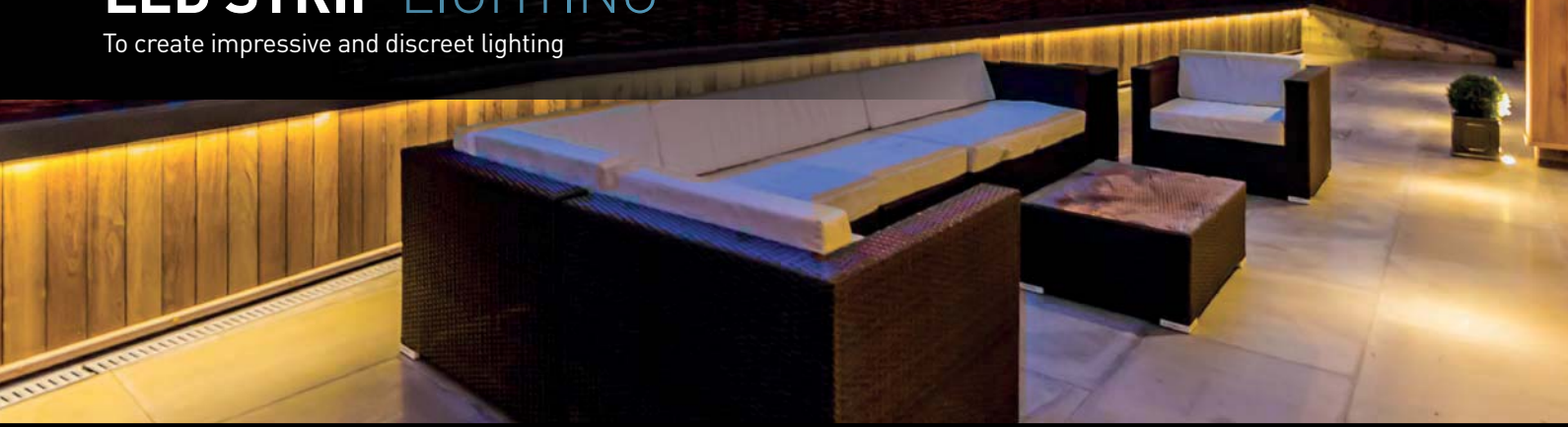






# LED STRIP LIGHTING

To create impressive and discreet lighting



## CONSTANT CURRENT STRIP / CONSTANT VOLTAGE STRIP

We offer both constant current strip and constant voltage strip to ensure you get the right product for your installation.

	Available in IP20	Available in IP44	Available in IP68	Available in neutral white (4000K)	Available in warm white (3000K)	Available in 2700K	No light loss up to 5m	No light loss up to 20m	Can be positioned short distances from the driver	Can be positioned long distances from the driver
Constant current LED strip	●	●	●	●	●	●	●	●	●	●
Constant voltage LED strip	●	●	○	●	●	●	●	○	●	○

## WHICH PROFILE & WHERE?

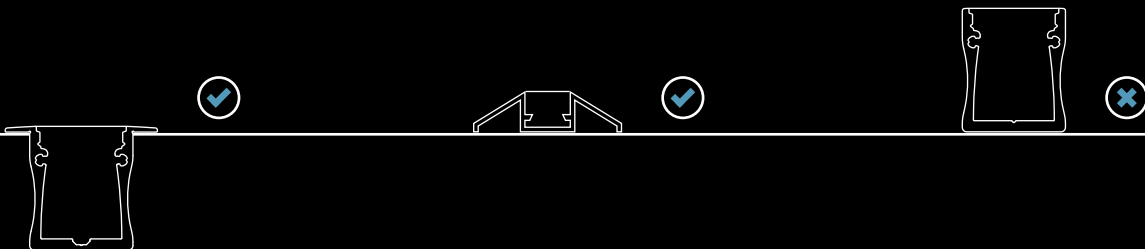
We recommend using profile to provide a clean, flat surface and a professional finish.

### Avoid trip hazards when fitting profile to a floor.

Recessed profile

Floor profile

Surface mount profile



Fitting strip light under cabinets? Use a surface mounted profile to avoid cutting through the carcass.

## IP RATING - WHAT RATING DO I NEED?



### IP20

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



### IP44

Ideal for use indoors, such as bathrooms or places where water might splash. Easy to clean.



### IP66

Ideal for use in coastal situations. Protected against powerful jets of water.



### IP68

Ideal for permanent submersion in water.

## WHICH LED STRIP FOR MY INSTALLATION?

To add excitement to indoor and outdoor surroundings, use colour or highlight interesting features choose from our wide range of LED strip lighting. It is versatile and discreet providing both ambient and accent lighting.

To project reflected general light to a space or to highlight ceilings use the 14.4W strip at high level.

To create the appearance of floating features fit the 4.8W strip under bars and bench seats. Use the same strip under wall-mounted cabinets and steps for task lighting or at kickboard level to highlight the floor. Add light to panels and mirrors too by using strip to backlight the area.

For great lit outdoor environments or areas susceptible to moisture the LEDSTRIP IP is an ideal choice. Use it in bathrooms to light under vanity units and bath tubs, making them appear to float on a cushion of light. Use in the garden, tucked under the nosings of steps, under the eaves of buildings or to add light under benches.

### LSV44, LSC45



### LSV02, LSV03, LSV42, LSV43, LSC43, LSC83



### LEDSTRIP IP, LSC83



## PROFILE BENEFITS

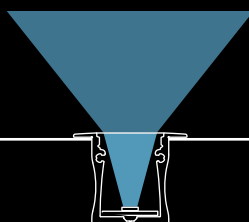
### Light diffusion

No profile



Light is more focussed resulting in a more concentrated strip of light

With profile



Diffuses light to give a wash of light, and hides LEDs

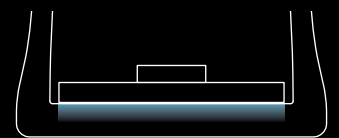
### Longer life for LED strip

No profile



The heat will stay within the product and result in a shorter life for the LED

With profile



The heat will dissipate through the profile resulting in a longer LED life. This is especially important for the high output LED strip.

# 5 EASY STEPS FOR CHOOSING LED STRIP

Follow these 5 easy steps to work out which LED strip is right for your installation.

1

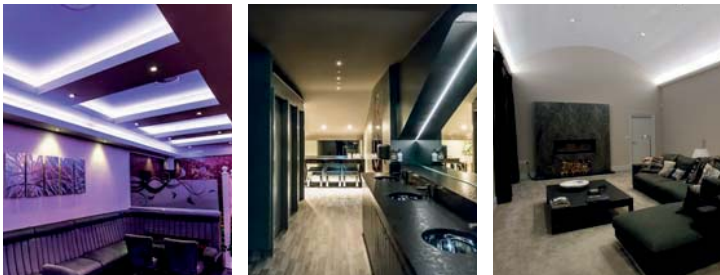
Where am I using my LED strip?

2

What IP rating?

## Primary lighting (14.4W)

If you want to project reflected general light to a space or to highlight ceilings use the high output strip at a high level.

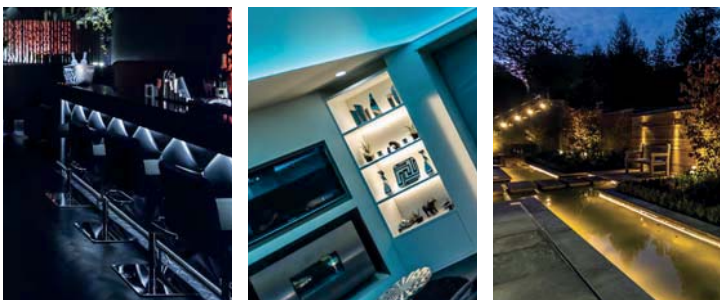


**IP44**

Ideal for use indoors, such as kitchens or places where water might splash.

## Secondary lighting (4.8W)

To create the appearance of floating features fit the low output strip under bars and bench seats. Use the same strip under wall-mounted cabinets and steps for task lighting or at kickboard level to highlight the floor. Also use for backlighting mirrors and panels.



**IP20**

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



**IP44**

Ideal for use indoors, such as kitchens or places where water might splash.



**IP66**

Ideal for use in coastal situations. Protected against powerful jets of water.



**IP68**

Ideal for permanent submersion in water.





**Current regulated**

There is no light loss over short or long distances.



**Constant voltage**

There is no light loss over short distances.



Got a query? Contact our team on  
**+44 (0) 1604 495 151**

3

What length?

4

What colour?

5

Which LED strip?

Include the length of wiring to the driver

● 2700K ● 3500K ● 4000K ▶ LSV44 Page 169

Up to 5m ▶

● 2700K ● 3000K ● 4000K ▶ LSC45 Page 172

Up to 5m ▶

● 2700K ● 3000K ● 4000K ▶ LSV02 Page 166 LSV03 Page 165

RGB RGBW ▶ LED5050RGB Page 261 LSR05 Page 260

Up to 20m ▶

● 2700K ● 3000K ● 4000K ▶ LSC03 Page 170

Up to 5m ▶

● 2700K ● 3500K ● 4000K ▶ LSV42 Page 168

● 2700K ● 3000K ● 4000K ▶ LSV43 Page 167 LSC43 Page 171

167mm increments ▶

● 3000K ● 4000K ▶ LEDSTRIP IP Page 174

Up to 5m ▶

● 2700K ● 3000K ● 4000K ▶ LSC83 Page 173



Got a query? Contact our team on  
+44 (0) 1604 495 151

## LSC8 ACCESSORIES CONNECTORS & EXTENSION LEAD

Use with



LSC83

## LED STRIP CONNECTORS FAST FIX CONNECTORS

Use with



LSV03 with 8mm



LSC03 with 12mm

## LSC8PWL 1.8M CABLE, MALE IP68 CONNECTOR & END TERMINAL

Installing the IP68 strip is easy using the installation kit. The kit contains 1 x 1.8m cable and 1 x end terminator. The cable is 2-core with a male connector at one end, and stripped tails at the other end. The end terminal (female) is used at the far end of the strip to seal the system. Use JB6 IP68 terminals to ensure a waterproof connection between the driver and input cable.



## 8MM LED STRIP CONNECTOR FAST FIX CONNECTOR

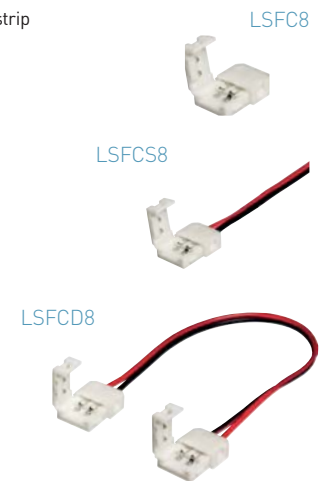
For connecting driver to non-IP LED strip lengths, 8mm wide.

Use with  
LSV02, LSV03

**LSFC8**  
8mm 2 pin strip to strip fast fix connector

**LSFCS8**  
8mm 2 pin fast fix connector with 150mm flying leads.

**LSFCD8**  
Strip to strip 8mm 2 pin fast connector with 150mm cables



## LSC8EXT 1M IP68 EXTENSION LEAD WITH MALE/FEMALE CONNECTORS

Containing both male and female connectors, this extension cable helps make the installation easy, by allowing extension of the input cable or the gap between the strip by 1m.



## 12MM LED STRIP CONNECTORS FAST FIX CONNECTORS

For extending non-IP LED strip lengths, 12mm wide.

Use with  
LSC03

**LSFC12**  
12mm 2 pin fast fix connector with no fly leads.

**LSFCS12**  
12mm 2 pin fast fix connector with 150mm flying leads.

**LSFCD12**  
Double ended 12mm 2 pin fast connector with 150mm cables.



## LEDSTRIP IP ACCESSORIES CONNECTORS & EXTENSION LEAD

Use with



LEDSTRIP IP

### CONNECTOR 6X12 IP RATED CONNECTOR SET FOR LEDSTRIP IP AVAILABLE IN 450MM OR 5M LENGTHS

These end connectors are available in two lengths (450mm and 5m) for easy connection of our LED strip (LEDSTRIP IP). The pack includes male and female connectors, fittings, and an end cap.



### CON EXT 6X12 EXTENSION LEAD FOR LEDSTRIP IP

This 1.85m extension lead features male and female connectors for easy connection to our LED strip (LEDSTRIP IP). The LED strip is an extremely versatile source of light.



### CONNECTOR L, T, X 6X12 CONNECTOR 6X12

Turning corners or creating junctions in a run of LED strip (LEDSTRIP IP) is easy with these three connectors. The L is for sharp corners, the T is for T-junctions, and the X is for four-way junctions. The connectors add strength to your installation and eliminate the need for ugly wiring. The LED strip is a 'go-anywhere' source of light.

CONNECTOR L 6X12

CONNECTOR T 6X12



CONNECTOR X 6X12

### MALE & FEMALE CONNECTORS CONNECTORS FOR CON EXT 6X12

The male and female connectors are required when connecting to LEDSTRIP IP, or CONNECTOR L, T, X 6X12

CON MALE 6X12

CON FEMALE 6X12







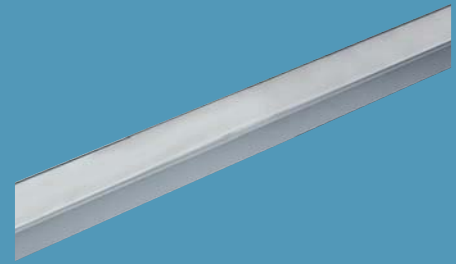
Remember that profiles diffuse light and therefore have a light loss of 25%

Use the profiles on this page with all flexible, self adhesive LED strip

## PROFILES & LED STRIP CONNECTORS

### USING PROFILES WITH LED STRIP CONNECTORS

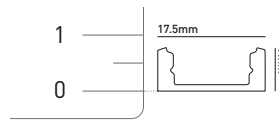
Use the table on the right to find which connectors fit into which profiles. Please note that if you require the 8mm connector to sit inside the end of the shallow profiles, you may need to cut a small indent into the diffuser, in order to create a seamless finish.



## SM7

### 7MM SLIM SURFACE-MOUNT ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Perfect for use in ceiling voids, shelves and under cabinets to create a clean effective installation. Add mounting brackets and choose from a range of end caps to complete the installation. A linear connector is also available when using continuous lengths.



Supplied with connectors and end caps. Call **01604 495 151** for more details

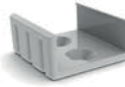
#### SM7ECA / SM7ECB

ABS end cap for SM7 anodised aluminium profile, available with or without cable hole.



#### SM7MB

ABS mounting bracket for SM7 anodised aluminium profile.



#### SM7LC

ABS linear connector for SM7 anodised aluminium profile.



#### Product code

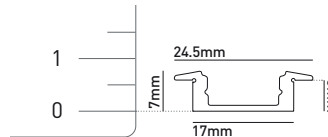
SM7010 (1m)

SM7020 (2m)

## RP7

### 7MM DEEP RECESSED ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Can be easily recessed into thin walled materials to create a low profile light source. Choose from a range of end caps to complete the installation.



Supplied with end caps. Call **01604 495 151** for more details

#### RP7ECA / RP7ECB

Aluminium end cap for RP7 recessed aluminium profile. Available with or without cable hole.



#### Product code

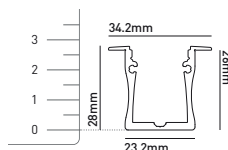
RP7010 (1m)

RP7020 (2m)

## RP28

### 28MM DEEP RECESSED ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Positions the LEDs lower to create a diffused light for a softer ambience. Perfect for near seamless integration in any recessed installation. Add end caps to complete the installation.



Supplied with end caps (not sold separately). Call **01604 495 151** for more details

ABS end cap for RP28 anodised aluminium profile.



#### Product code

RP28010 (1m)

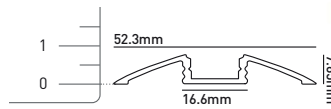
RP28020 (2m)

	SM7	RP7	RP28	CX7	SM28	C07
8mm LED strip connector						
12mm LED strip connector						

## CX7

### 7MM SLIM SURFACE MOUNT ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Perfect for surface mounting where the strip can be walked over. The convex shape ensures the installation will not become a trip hazard. Add mounting brackets and choose from a range of end caps to complete the installation.



Connectors and end caps sold separately

#### CXECA / CXECB

ABS end cap for CX7 aluminium profile. Available with or without cable hole.



#### CXECC / CXECD

ABS end cap for CX7 aluminium profile with holding ears. Available with or without cable hole.



Product code

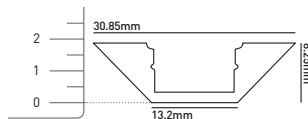
CX7010 (1m)

CX7020 (2m)

## C07

### 45° SLIM SURFACE MOUNT CORNER ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Ideal for installing into a 90° corner. Use under shelves and cabinets to create a seamless installation. Add mounting brackets and choose from a range of end caps to complete the installation.



Connectors and end caps sold separately

#### C07ECA / C07ECB

ABS end cap for 45° slim surface mount corner anodised aluminium profile. Available with or without cable hole.



#### C07MB

Spring steel mounting bracket for C07 anodised aluminium profile.



Product code

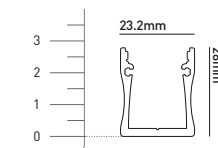
C07010 (1m)

C07020 (2m)

## SM28

### 28MM DEEP SURFACE-MOUNT ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Positions the LEDs lower to create a diffused light for a softer ambience. Add end caps and mounting brackets to complete the installation.



Connectors and end caps sold separately

#### SM28ECA

Aluminium end cap for SM28 anodised aluminium profile.



#### SM28MB

ABS mounting bracket for SM28 anodised aluminium profile.



Product code

SM28010 (1m)

SM28020 (2m)



Remember that profiles diffuse light and therefore have a light loss of 25%

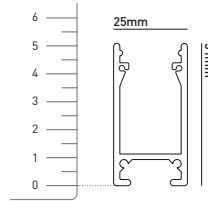
Use the profiles on this page with LEDSTRIP IP

## LED STRIP PROFILES CHOOSING THE RIGHT PROFILE

There are a wide range of profiles available to suit any installation.

### LINE PROFILE 20MM 1M RECESSED PROFILE FOR LEDSTRIP IP

These white aluminium profiles hold our LED strips (LEDSTRIP IP) in place in conjunction with the U profile. They form a recessed channel (25mm wide x 51mm deep x 1m lengths) that cut to size to create the most stunning linear lighting effects. For example, the strip can be used to mark the edges of stairs and floors or as a decorative feature in bars and retail environments. Profile clips, end caps and clear or frosted covers are sold separately.



#### U PROFILE 6X12 1M

Mounting profile for the LEDSTRIP IP. Use to secure LEDSTRIP IP in LINE PROFILE.



#### LINE PROF END CAP

Aluminium end cap for LINE PROFILE 20MM 1M. Helps complete installation to a quality finish. Screw to end of profile.



#### LINE PROF FIX CLIP

Rubber fixing clips for LINE PROFILE 20MM 1M. Allows LINE PROFILE to be fixed to surfaces.



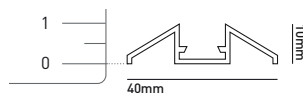
#### ACRYLIC COVER

Comes in 1m lengths and a choice of clear or frosted to reveal or diffuse the light source beneath. Use with LINE PROFILE 20MM 1M.



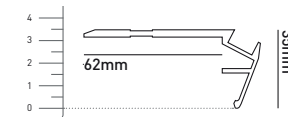
### PROFILE 6X12 WALL / FLOOR PROFILE FOR LEDSTRIP IP

These surface-mounted anodised aluminium profiles are available in a choice of finishes (black or silver) and lengths of 1m. They hold the LED strips (LEDSTRIP IP) in place and form a stylish raised strip (10mm high x 40mm deep) that can be cut to size to create stunning linear lighting effects. The strip is great for marking walls and floors or as a decorative feature in bars and retail environments.



### STAIR PROFILE STAIR NOSING FOR LEDSTRIP IP

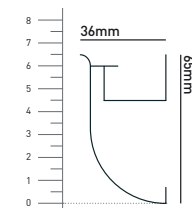
These surface-mounted anodised aluminium profiles are designed to be fitted to the noses of steps. They come in 2m lengths and a choice of finishes (black or silver) to hold the LED strips (LEDSTRIP IP) in place. Just cut the profile to length to give each step a stylish illuminated safety feature.



### LED COVE PACK COVING TO HOUSE ADHESIVE STRIP

This paintable plastic coving is a complete housing for the speediest installation of an illuminated LED coving. An upper channel holds a flexible lighting strip and a lower concealed channel takes all the cabling. It requires a minimal amount of building or electrical work. Available in 1m lengths.

Use in conjunction with LED COVE CLIP







COLLINGWOOD  
LIGHTING



# LSV03

Constant voltage, self-adhesive, flexible IP20 strip



Bespoke length cutting service available



Ideal for use indoors



3-year guarantee



PER METRE

35DCM

## PHOTOMETRICS @ 23°C

Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	150°	>80Ra	450	94	126
3000K	150°	>80Ra	450	94	126
2700K	150°	>80Ra	450	94	126

## REEL ORDER CODES

LSV0340050	5m reel of 4000K LSV03 strip
LSV0330050	5m reel of 3000K LSV03 strip
LSV0327050	5m reel of 2700K LSV03 strip

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

## GENERAL

Construction material	Flexible tape
-----------------------	---------------

## WIRING

Cable / flying lead	Supplied with 250mm flying lead from one end
Type of wiring required	Parallel

## LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS3024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSDIP6024	-	Yes	Yes	-	2 x 5m
PSDIP10024	-	Yes	Yes	-	4 x 5m

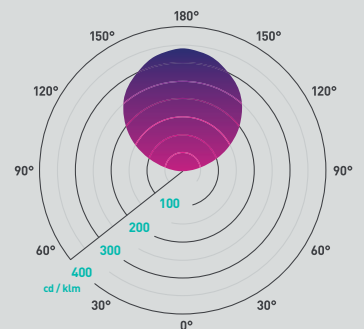
For LED driver bathroom zone & additional LED drivers see page 288

## ACCESSORIES

Product code	Description	
LSFC8 / LSFC8S / LSFC8D	Range of fast fix connectors for use with LSV03	160
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
LED COVE PACK	Coving to house adhesive strip	164
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272

## FEATURES & BENEFITS

- Can be easily cut on site with cut points every 100mm. Use in conjunction with LSFC8, LSFC8S and LSFC8D connectors
- 5m reels supplied in branded packaging
- Ideal for short lengths up to 5m
- Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- 3M self-adhesive backing
- NB: Cutting to required length will render this product non-returnable



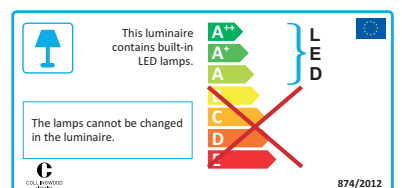
4000K 150°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

5m (cut point every 100mm)



8mm



874/2012



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › IP20 5W/m LED strip pack
- › Ideal for indoor use in various applications including accent lighting such as in cabinets and displays
- › Cut point every 100mm
- › 3M self-adhesive backing for secure and easy installation
- › Supplied in resealable, antistatic bag to protect during transit
- › 3-year guarantee

LSV02

Constant voltage, IP20, 5W/m, self-adhesive 5m LED strip pack

**IP20** Ideal for use indoors

**3 yr** 3-year guarantee

PER METRE

PHOTOMETRICS @ 25°C

CCT may vary by ±5%

Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	110°	>80Ra	430	86	100
3000K	110°	>80Ra	400	80	95
2700K	110°	>80Ra	380	76	92

REEL ORDER CODES

LSV0240050	5m reel pack of 4000K LSV02 strip
LSV0230050	5m reel pack of 3000K LSV02 strip
LSV0227050	5m reel pack of 2700K LSV02 strip

GENERAL

Construction material	Flexible tape
-----------------------	---------------

WIRING

Cable / flying lead	Supplied with 250mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS

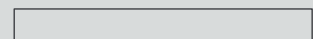
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS3024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSDIP6024	-	Yes	Yes	-	2 x 5m
PSDIP10024	-	Yes	Yes	-	3 x 5m

For LED driver bathroom zone & additional LED drivers see page 288

ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272
LSFC8 / LSFCS8 / LSFC8	Range of fast fix connectors for use with LSV03	160

5m (cut point every 100mm)



8mm

All specifications are believed to be valid at the time of going to print and are subject to change without notice. Allow for ±5% tolerance on all photometric data.

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**A++**  
**A+**  
**A**  
**B**  
**C**  
**D**  
**E**

LED

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LIGHTING



# LSV43

Constant voltage, self-adhesive, flexible IP44 strip

- BESPOKE** Bespoke length cutting service available
- IP44** Splashproof
- 3yr** 3-year guarantee

- 150°** Beam angle
- 4.8W** Power consumption
- 35°C** Operating temperature
- 10g/m** Weight
- 2** Bathroom zone
- 70,000h** Lifetime
- 35DCM** Self-adhesive backing

PHOTOMETRICS @ 23°C					
Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	150°	>80Ra	450	94	85
3000K	150°	>80Ra	450	94	85
2700K	150°	>80Ra	450	94	85

REEL ORDER CODES	
LSV4340050	5m reel of 4000K LSV43 strip
LSV4330050	5m reel of 3000K LSV43 strip
LSV4327050	5m reel of 2700K LSV43 strip

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

GENERAL	
Construction material	Flexible tape

WIRING	
Cable / flying lead	0.25m (bespoke lengths up to 5m are available on request at an extra charge)
Type of wiring required	Parallel

LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	2	3m
PSDIP6024	-	Yes	Yes	2	2 x 5m
PSDIP10024	-	Yes	Yes	2	4 x 5m

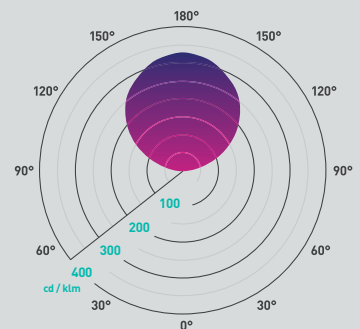
Bathroom zone applicable to fitting only

For LED driver bathroom zone & additional LED drivers see page 288

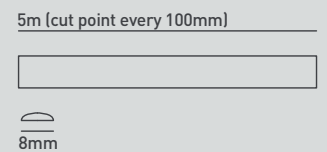
ACCESSORIES		
Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
LED COVE PACK	Coving to house adhesive strip	164
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272

## FEATURES & BENEFITS

- > Hard-wearing clear splashproof covering
- > Cut point every 100mm
- > Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- > Also supplied in customised lengths (0.1m up to 4.9m in 0.1m increments)
- > 3M self-adhesive backing
- > 250mm flying leads attached



4000K 150°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A+ A A C D E

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FEATURES & BENEFITS

- › IP44 5W/m LED strip pack
- › Ideal for use in various applications including accent lighting in kitchens and bathrooms
- › Cut point every 100mm
- › 3M self-adhesive backing for a secure and easy installation
- › IP44 PU coating protects from temporary moisture exposure and allows for easy cleaning
- › Supplied in resealable, antistatic bag to protect during transit
- › 3-year guarantee

LSV42

Constant voltage, IP44, 5W/m, self-adhesive 5m LED strip pack



Splashproof



3-year guarantee



PER METRE



ZONE



PHOTOMETRICS @ 25°C

CCT may vary by ±10%

Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	110°	>80Ra	430	86	100
3500K	110°	>80Ra	400	80	95
2700K	110°	>80Ra	380	76	92

REEL ORDER CODES

LSV4240050	5m reel pack of 4000K LSV42 strip
LSV4235050	5m reel pack of 3500K LSV42 strip
LSV4227050	5m reel pack of 2700K LSV42 strip

GENERAL

Construction material	Flexible tape
-----------------------	---------------

WIRING

Cable / flying lead	Supplied with 250mm flying lead from each end
Type of wiring required	Parallel

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Max
PS3024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSDIP6024	-	Yes	Yes	-	2 x 5m
PSDIP10024	-	Yes	Yes	-	3 x 5m

For LED driver bathroom zone & additional LED drivers see page 288

ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272

5m (cut point every 100mm)



All specifications are believed to be valid at the time of going to print and are subject to change without notice. Allow for ±5% tolerance on all photometric data.

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED ENERGY LABEL: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), F (Red)

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LIGHTING



# LSV44

Constant voltage IP44, 15W/m, self-adhesive 5m LED strip pack



PER METRE

ZONE

PHOTOMETRICS @ 23°C

CCT may vary by ±10%

Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	110°	>80Ra	1290	86	230
3500K	110°	>80Ra	1200	80	225
2700K	110°	>80Ra	1140	76	218

REEL ORDER CODES

LSV4440050	5m reel pack of 4000K LSV44 strip
LSV4435050	5m reel pack of 3500K LSV44 strip
LSV4427050	5m reel pack of 2700K LSV44 strip

GENERAL

Construction material	Flexible tape
-----------------------	---------------

WIRING

Cable / flying lead	Supplied with 250mm flying lead from each end
Type of wiring required	Parallel

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Max
PS5024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSDIP10024	-	Yes	Yes	-	5m
PSIP24024	-	Yes	Yes (PDCINT1-10V)	-	3 x 5m

For LED driver bathroom zone & additional LED drivers see page 288

ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272

## FEATURES & BENEFITS

- › IP44 15W/m LED strip pack
- › Ideal for primary lighting and use within coving
- › IP44 PU coating protects from temporary moisture exposure and allows for easy cleaning
- › Cut point every 100mm
- › 3M self-adhesive backing for secure and easy installation
- › Supplied in resealable, antistatic bag to protect during transit
- › 3-year guarantee

5m (cut point every 100mm)



Recommend a maximum length of 10m for 1.0mm<sup>2</sup> cable from driver to start of strip length. Exceeding this length may result in a drop in light output. All specifications are believed to be valid at the time of going to print and are subject to change without notice. Allow for ±5% tolerance on all photometric data.

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

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LIGHTING



# LSC03

Current regulated, self-adhesive, flexible strip

- BESPOKE** Bespoke length cutting service available
- IP20** Ideal for use indoors
- 3yr** 3-year guarantee

- 150°
- 4.8W PER METRE
- 32°C
- 14.35°C
- 10g/m
- 70,000h
- 35DCM

**PHOTOMETRICS** @ 25°C

Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	150°	>80Ra	350	73	85
3000K	150°	>80Ra	350	73	85
2700K	150°	>80Ra	350	73	85

**REEL ORDER CODES**

LSC0340050	5m reel of 4000K LSC03	LSC0340200	20m reel of 4000K LSC03
LSC0330050	5m reel of 3000K LSC03	LSC0330200	20m reel of 3000K LSC03
LSC0327050	5m reel of 2700K LSC03	LSC0327200	20m reel of 2700K LSC03

For bespoke length, 050 or 200 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

**GENERAL**

Construction material	Flexible tape
-----------------------	---------------

**WIRING**

Cable / flying lead	150mm flying lead with fast fix connector (LSFCS12) supplied on bespoke strip (Bespoke lengths up to 5m are available on request at extra charge)
Type of wiring required	Parallel

**LED DRIVERS**

Product code	mA	SELV	Dimming	Bathroom zone	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	-	3m
PS5024	-	Yes	Yes (PDCINT1-10V)	-	10m
PSDIP10024	-	Yes	Yes	-	20m

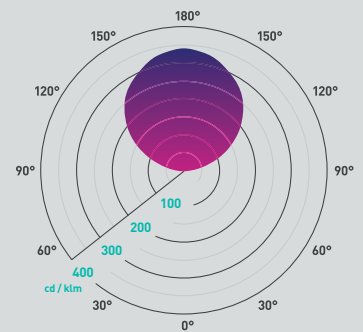
For LED driver bathroom zone & additional LED drivers see page 288

**ACCESSORIES**

Product code	Description	
LSFC12 / LSFCS12 / LSFCD12	Range of fast fix connectors for use with LSC03	160
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
LED COVE PACK	Coving to house adhesive strip	164
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272

## FEATURES & BENEFITS

- > Cut point every 100mm
- > 250mm flying leads attached (reel)
- > High quality LED strip using current regulation
- > Next generation strip. Long lengths (up to 20m) suffer no light loss
- > Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- > 3M self-adhesive backing
- > Supplied in customised lengths (0.1m up to 19.9m in 0.1m increments)
- > NB: Cutting to required length will render this product non-returnable



4000K 150°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

20m/5m (cut point every 100mm)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A++  
A+  
A  
C  
D

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LIGHTING



# LSC43

Current regulated, self-adhesive, flexible splash-proof strip

- BESPOKE** Bespoke length cutting service available
- IP44** Splashproof
- 3yr** 3-year guarantee

- 150°** Beam angle
- 4.8W** Power consumption
- 32°C** Operating temperature
- 10g/m** Weight
- 2** Zones
- 70,000h** Lifetime
- 35DCM** 35 degree cut mask

PHOTOMETRICS @ 23°C					
Colour	Beam angle	CRI	lm/m	lm/W	Lx @ 1m
4000K	150°	>80Ra	350	73	85
3000K	150°	>80Ra	350	73	85
2700K	150°	>80Ra	350	73	85

REEL ORDER CODES	
LSC4340050	5m reel of 4000K LSC43 strip
LSC4330050	5m reel of 3000K LSC43 strip
LSC4327050	5m reel of 2700K LSC43 strip

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

GENERAL	
Construction material	Flexible tape

WIRING	
Cable / flying lead	0.25m (bespoke lengths up to 5m are available on request at an extra charge)
Type of wiring required	Parallel

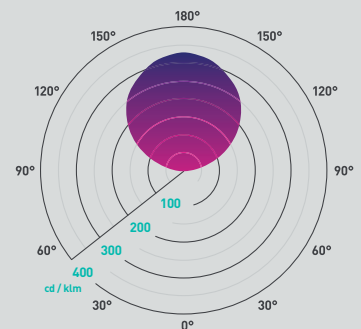
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	-	3m
PS5024	-	Yes	Yes (PDCINT1-10V)	-	10m
PSDIP10024	-	Yes	Yes	-	20m

For LED driver bathroom zone & additional LED drivers see page 288

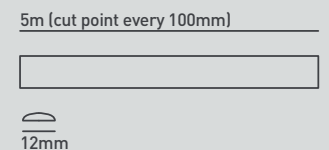
ACCESSORIES		
Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

## FEATURES & BENEFITS

- Hard-wearing clear splashproof covering
- High quality LED strip using current regulation
- Next generation strip. Long lengths suffer no light loss
- Cut point every 100mm
- 250mm fly leads attached
- Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- 3M self-adhesive backing
- Supplied in customised lengths (0.1m up to 4.9m in 0.1m increments)
- Bespoke lengths are sealed with heat shrink for complete IP44 connections
- NB: Cutting to required length will render this product non-returnable



4000K 150°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A+ A A C D E

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LIGHTING



# LSC45

Current regulated, self-adhesive, high output, LED flexible splashproof strip



Bespoke length cutting service available



Splashproof



3-year guarantee



Also available in RGB & RGBW  
See page 260-261



PER METRE



ZONE



35DCM

## PHOTOMETRICS @ 25°C

Colour		CRI	lm/m	lm/W	lx @ 1m
4000K	150°	>85Ra	1040	72	290
3000K	150°	>85Ra	1000	69	280
2700K	150°	>85Ra	1010	70	290

## REEL ORDER CODES

LSC4540050	5m reel of 4000K LSC45 strip
LSC4530050	5m reel of 3000K LSC45 strip
LSC4527050	5m reel of 2700K LSC45 strip

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

## GENERAL

Construction material	Flexible tape
-----------------------	---------------

## WIRING

Cable / flying lead	0.25m (bespoke lengths up to 5m are available on request at an extra charge)
Type of wiring required	Parallel

## LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Max
PS5024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSDIP10024	-	Yes	Yes	-	5m
PSIP24024	-	Yes	Yes (PDCINT1-10V)	-	3x5m

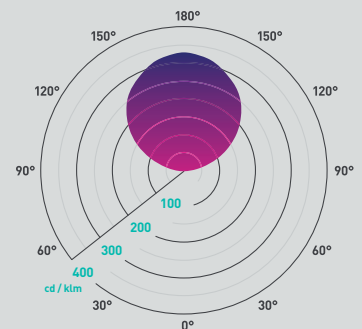
For LED driver bathroom zone & additional LED drivers see page 288

## ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

## FEATURES & BENEFITS

- › Hard-wearing clear splashproof covering
- › High output LED strip using next generation current regulation technology
- › Long lengths suffer no light loss
- › Cut point every 100mm
- › Bespoke lengths are sealed with heat shrink for complete IP44 connections
- › Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- › 3M self-adhesive backing
- › Supplied in customised lengths (0.1m up to 4.9m in 0.1m increments)
- › NB: Cutting to required length will render this product non-returnable



### 4000K 150°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

5m (cut point every 100mm)



12mm

This luminaire contains built-in LED lamps.

A++

A+

A

C

D

E

}

LED

The lamps cannot be changed in the luminaire.

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LIGHTING

FEATURES & BENEFITS

- › Hard-wearing clear waterproof covering
- › Available in 5m lengths (Join up to 10m with no light loss)
- › Also supplied in customised lengths (0.1m up to 9.9m in 0.1m increments)
- › IP68 up to 1.5m
- › Complete with fixing clips
- › Not suitable for installation in chlorine or bromine environments



LSC83

Current regulated IP68 waterproof strip

**BESPOKE** Bespoke length cutting service available | **IP68** Submersible to 1.5m | **3yr** 3-year guarantee

120° | 4.8W | 32°C | 1.35°C | 50g/m | 0 | 70,000h | 3SDCM

PER METRE | ZONE \* Bathroom zone 1 if dimming

PHOTOMETRICS @ 23°C					
Colour	Beam angle	CRI	lm/m	lm/W	lx @ 1m
4000K	120°	>85Ra	400	69	137
3000K	120°	>85Ra	360	63	123
2700K	120°	>85Ra	350	74	120

REEL ORDER CODES		Supplied with 250mm flying lead and connectors at each end
LSC8340050	5m reel of 4000K LSC83 strip	
LSC8330050	5m reel of 3000K LSC83 strip	
LSC8327050	5m reel of 2700K LSC83 strip	

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc (supplied with 250mm flying lead and connector at one end.)  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

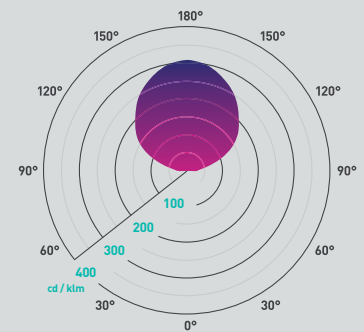
GENERAL	
Construction material	Flexible tape with PU coating

WIRING	
Cable / flying lead	0.25m
Type of wiring required	Parallel

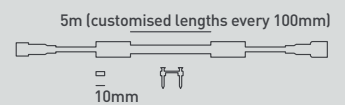
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	-	3m
PS5024	-	Yes	Yes (PDCINT1-10V)	-	10m
PSDIP10024	-	Yes	Yes	-	20m

For LED driver bathroom zone & additional LED drivers see page 288

ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272
LSC8PWL	1.8m cable, male IP68 (submersible to 1.5m) connector & end terminal	160
LSC8EXT	1m IP68 (submersible to 1.5m) extension lead with male/female connectors	160
JB6	Inline gel filled cable connector IP68 (submersible to 1.3m)	281



4000K 120°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

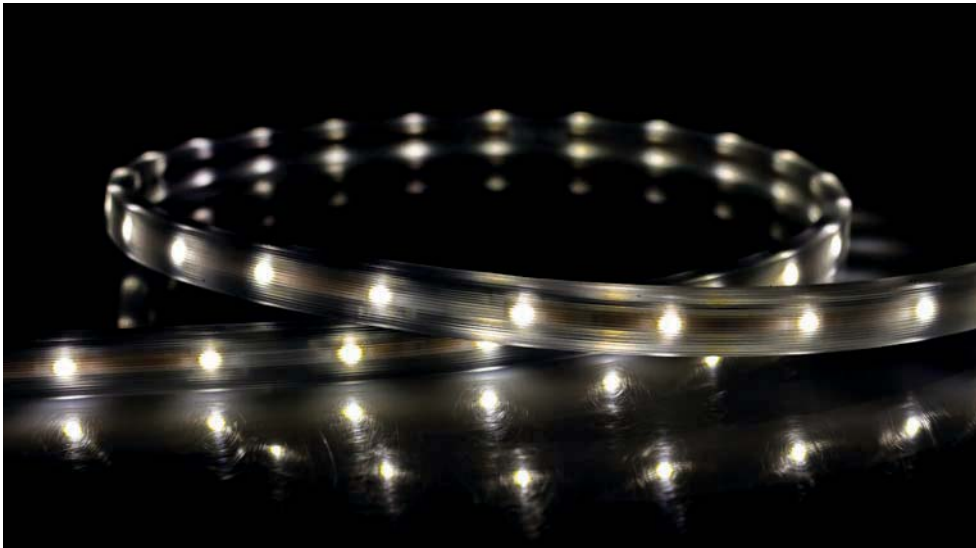
**A+**  
**A**  
**A**  
**C**  
**D**  
**E**

LED

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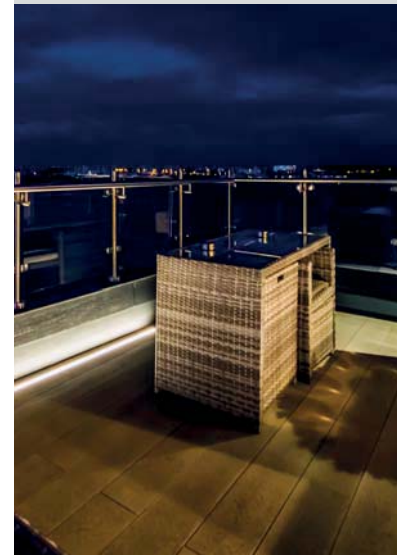


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Cut point every 167mm
- > Range of wall & floor profiles available
- > Suitable for indoor & outdoor use



LEDSTRIP IP

Flexible waterproof LED strip

IP66

Protected against powerful jets of water

1 yr

1 year guarantee

130°

2.9W

37°C

±35°C

100g/m

1

70,000h

35DCM

PER METRE

ZONE

35DCM

PHOTOMETRICS @ 25°C

NB: Products cut to specific requirements are non-returnable

Colour	Beam angle	Product code	CRI	lm/m	lm/W	lx at 1m
4000K	130°	LEDSTRIP IP NW	>70Ra	224	77	35
3000K	130°	LEDSTRIP IP WW	>60Ra	207	71	28
Amber	130°	LEDSTRIP IP AMB	-	-	-	-
Blue	130°	LEDSTRIP IP BL	-	-	-	-
Red	130°	LEDSTRIP IP RED	-	-	-	-

GENERAL

Construction material Plastic

WIRING

Type of wiring required Parallel

LED DRIVERS

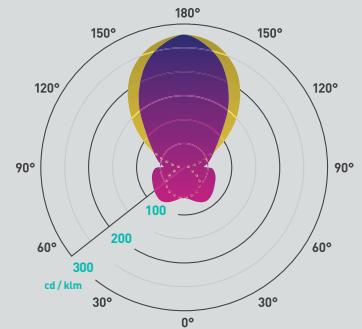
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	1	5m
PS5024	-	Yes	Yes (PDCINT1-10V)	1	17m
PSDIP10024	-	Yes	Yes (1-10V)	1	34m

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
CONNECTOR 6X12 / 5M	450mm/5m IP rated connector set for LEDSTRIP IP	161
CON EXT M/F 6X12	Extension lead for LEDSTRIP IP	161
CONNECTOR L, T, X 6X12	Connectors for LEDSTRIP IP	161
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	272
LED STRIP PROFILES	Profile range to house LEDSTRIP IP	164



4000K 130°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

167mm (cut point)

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A++ A+ A C D

874/2012









# RETAIL RANGE

To create dynamic retail and hospitality environments



## PRODUCT FAMILY

Many retail stores have unique layouts which don't always allow for a 'one size fits all' install. With Collingwood Lighting's family of retail products, it's possible to mix different sizes of track and recessed luminaires to meet the needs of a space. Small, medium or large track luminaires can be installed close together to give light where needed, or to accommodate low ceilings. Collingwood track products can be retrofitted into many existing track schemes and are compatible with Global™ 3 circuit track.



Track Lighting



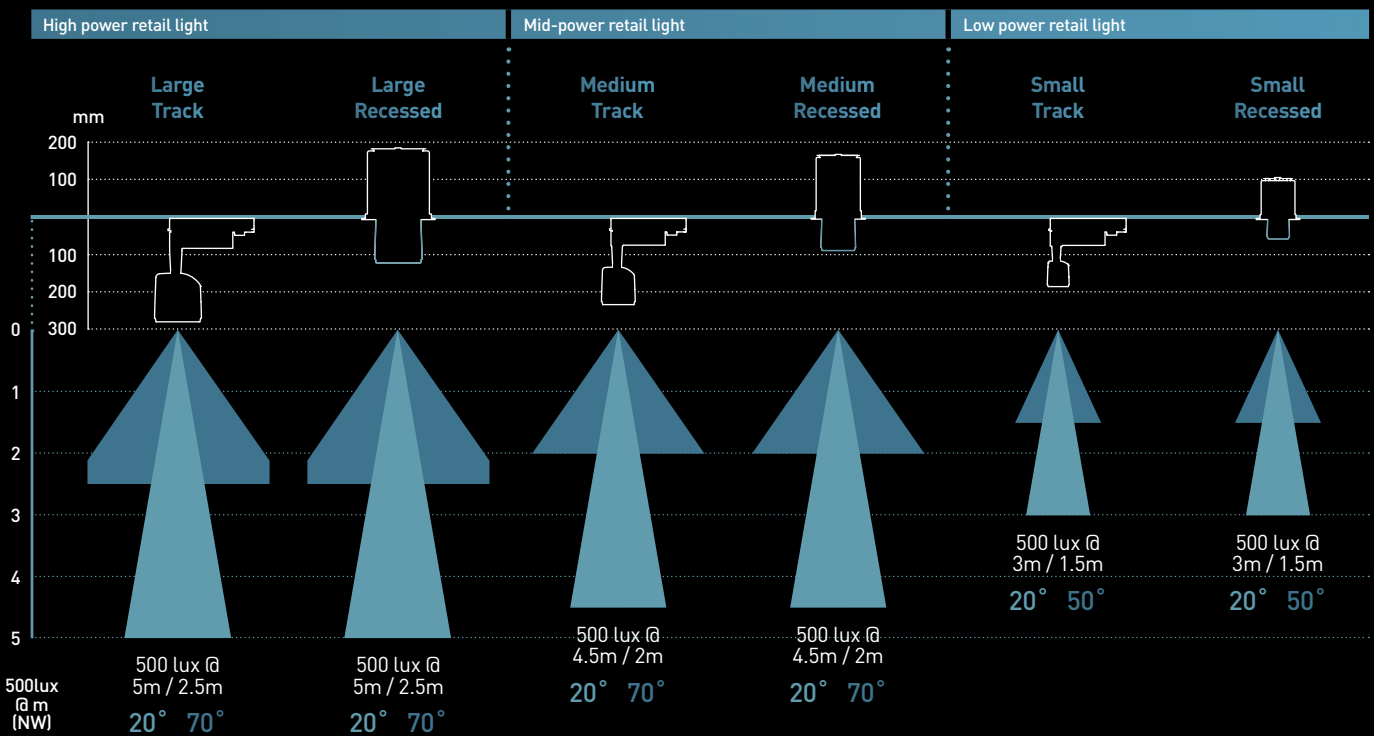
Round Recessed



Square Recessed

The Collingwood Lighting retail products are available in three different sizes and colours, making it easy to create the perfect installation.

## PRODUCT COMPARISON





## CHOOSE COLOUR

Reveal the crispest whites, vibrant reds and make colours pop to attract customers to retail displays. The high colour rendering index (CRI >90) of this range ensures clothing and other materials look their best.



### Existing fittings

Can leave merchandise looking lifeless



### Collingwood Retail

Make true colours of merchandise stand out



Visit the Collingwood Lighting YouTube channel to watch our video showing how LUXEON CrispWhite technology can bring merchandise to life.

## CHOOSE WHITE

## HONEYCOMB

Using LUXEON CrispWhite technology the Collingwood Retail range delivers on all fronts (3000K options only). It provides a unique combination of warm saturated colours as well as creating a natural crisp whiteness. This technology activates fluorescing agents in paints and fabrics to display merchandise in true colours. Ideal for CDM / CMH replacements.

To illuminate areas of heavy traffic, e.g. pay points, or customer service desks add this honeycomb insert to provide a diffused light.



### Conventional retail lighting

Materials may appear washed out or 'yellowed'.

### LUXEON CrispWhite Technology

Show off the true vibrant colours of materials.



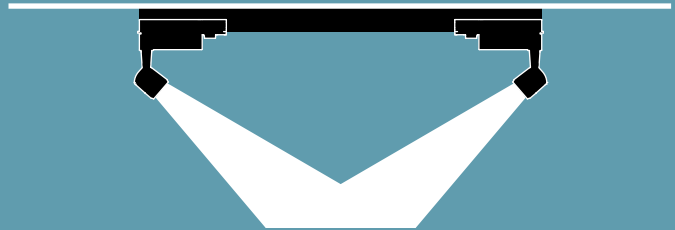
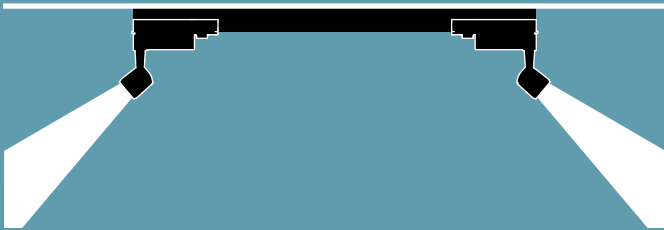
# BUILDING YOUR TRACK CONSTRUCTING YOUR GRID

Retail displays are constantly changing. The flexible nature of track lighting ensures that merchandise will be beautifully lit wherever displays are positioned. The lighting moves along a purpose-built grid with the ability to rotate and tilt ensuring optimum flexibility.

When building a grid consider where the majority of your merchandise will be displayed. All of our track lighting rotates 355°. We recommend two track set-ups as shown in diagrams A and B below.

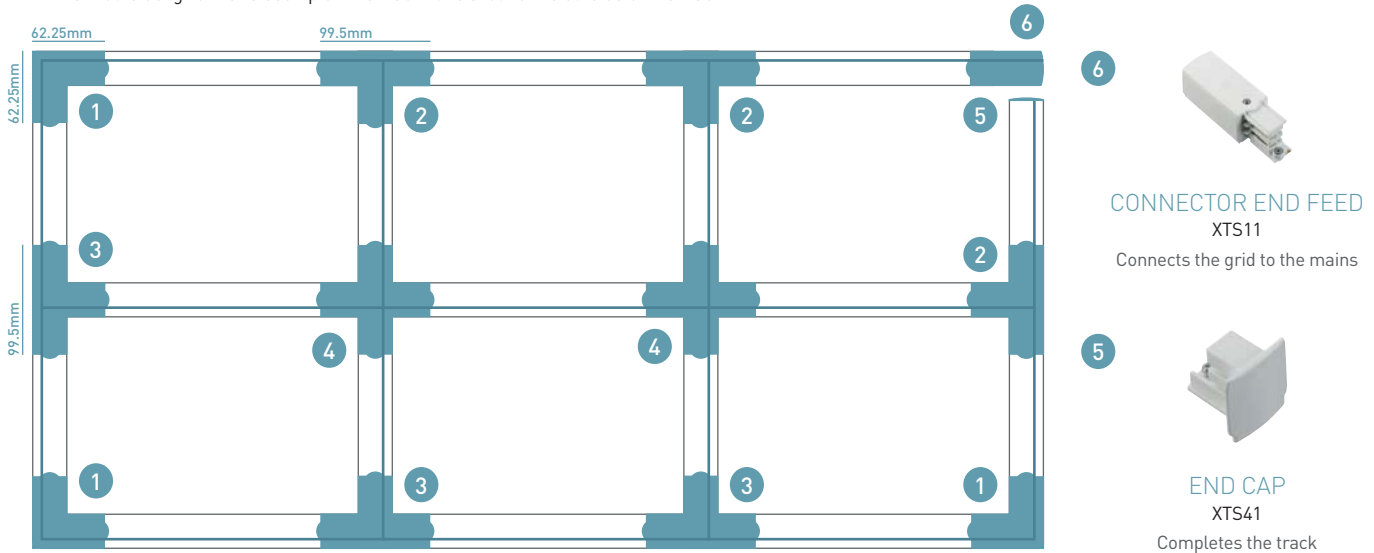
If the majority of merchandise is displayed on walls or outside the area of your grid you will need to set up an 'outside' grid.

If the majority of merchandise is displayed under the grid then you will need to set up an 'inside' grid.



## Constructing an 'outside' grid (Diagram A)

With an 'outside' grid the raised lip on the track runs around the outside of the track.



Use T-connector '2' opposite T-connector '3' to ensure the mains pole lines up

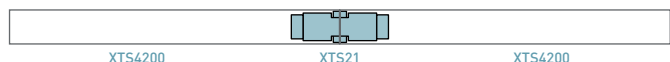
## Track length options

Track is supplied in 1m and 2m lengths, this can be cut to shorter lengths to suit the installation. When cutting track use a bending tool to bend the internal copper cores into position to allow for an electrical connection.

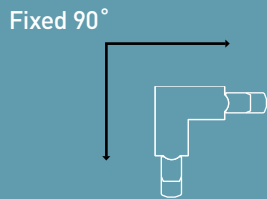


**BENDING TOOL**  
XTSV12

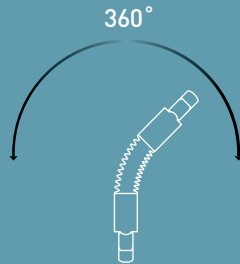
Extend sections of track using a straight connector. It sits concealed within the track, without adding extra length, for a neat and tidy finish.



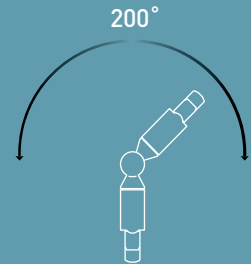
To increase the flexibility of the grid there are 3 different types of corner connector...



L - CONNECTOR  
XTS34 / XTS35



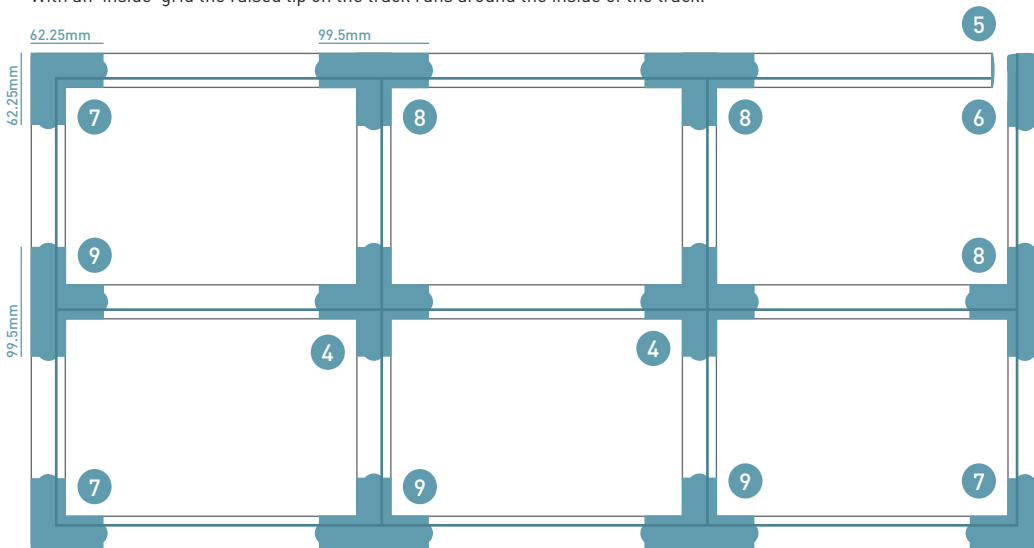
FLEXIBLE CONNECTOR  
XTS23



ADJUSTABLE CONNECTOR  
XTS24

## Constructing an 'inside' grid (Diagram B)

With an 'inside' grid the raised lip on the track runs around the inside of the track.

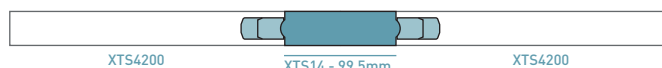


Use T-connector '8' opposite T-connector '9' to ensure the mains pole lines up



**STRAIGHT CONNECTOR**  
XTS21

Extend straight track using a connector middle feed. 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. (Connector middle feed is suitable for straight track installations only).



**CONNECTOR MIDDLE FEED**  
XTS14

# BUILDING YOUR TRACK

## CHOOSING YOUR PARTS

1

Before selecting grid components you will need to decide what type of mount is right for the installation...

Once you've decided which mount is right for the installation, work your way down the page to see which parts are compatible.

2

Which mounting brackets do I need?

### Suspension mount



**SP4R**  
Suspension mount clamp

Silver: SP4R1  
Black: SP4R2  
White: SP4R3  
Use with: SPR6 or SPW1



**SPR6**  
Rod suspension set (1m)

Black: SPR62  
White: SPR63  
Use with: SP4R



**SPW1**  
Wire suspension set (1.5m)

Silver: SPW11  
Black: SPW12  
White: SPW13  
Use with: SP4R



**SKB11R**  
Recessed ceiling clamp

Silver: SKB11R1  
Black: SKB11R2  
White: SKB11R3  
Use with: SPW1 (optional)

### Surface or suspension track



**XTS4100**  
Surface track (1m)

Silver: XTS41001  
Black: XTS41002  
White: XTS41003  
Use with: XTS11 & XTS41



**XTS4200**  
Surface track (2m)

Silver: XTS42001  
Black: XTS42002  
White: XTS42003  
Use with: XTS11 & XTS41



**XTS11**  
Connector end feed

Silver: XTS111  
Black: XTS112  
White: XTS113  
Use with: All track



**XTS41**  
End cap

Silver: XTS411  
Black: XTS412  
White: XTS413  
Use with: All track

3

Which track do I need?

Don't forget your connector end feed & end cap.

### Connectors

#### Straight track extensions



**XTS14**  
Connector middle feed

Silver: XTS141  
Black: XTS142  
White: XTS143  
Use with: All track



**XTS21**  
Straight connector

Silver: XTS211  
Black: XTS212  
White: XTS213  
Use with: All track

#### Flexible Corners



**XTS23**  
Flexible connector

Silver: XTS231  
Black: XTS232  
White: XTS233  
Use with: All track



**XTS24**  
Adjustable connector

Silver: XTS241  
Black: XTS242  
White: XTS243  
Use with: All track

4

Choose the right connectors for your grid.

Don't forget to consider if the grid is an 'outside' or an 'inside' grid.

#### X-connector



**XTS38**  
X-connector

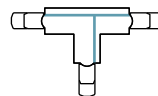
Silver: XTS381  
Black: XTS382  
White: XTS383  
Use with: All track

#### T-connectors (outside grids only)



**XTS39**  
T-connector

Silver: XTS391  
Black: XTS392  
White: XTS393  
Use with: All track



**XTS36**  
T-connector mirror

Silver: XTS361  
Black: XTS362  
White: XTS363  
Use with: All track



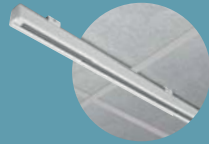


Got a query? Contact our team on  
+44 (0) 1604 495 151



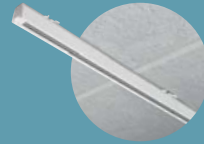
### Suspension mount

To suspend track from the ceiling



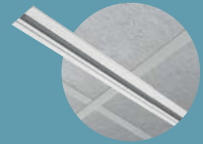
### Surface mount

To mount track onto a solid surface



### Surface mount to suspended ceiling

To mount track on the surface of a suspended ceiling



### Recessed mount

To mount track flush to a ceiling

#### Surface mount



**SKB12**  
Surface mount clamp

Silver: SKB121  
Black: SKB122  
White: SKB123

#### Suspended surface mount



**SKB11T**  
Suspended ceiling clamp

Silver: SKB11T1  
Black: SKB11T2  
White: SKB11T3

#### Recessed mount



**SPW1**  
Wire suspension set (1.5m)

Silver: SPW11  
Black: SPW12  
White: SPW13  
Use with: SKB11R



**SKB11R**  
Recessed ceiling clamp

Silver: SKB11R1  
Black: SKB11R2  
White: SKB11R3  
Use with: SPW1 (optional)



## Additional components

#### Recessed track



**XTSF4100**  
Recessed track (1m)

Silver: XTSF41001  
Black: XTSF41002  
White: XTSF41003  
Use with: XTS11 & XTS41



**XTSF4200**  
Recessed track (2m)

Silver: XTSF42001  
Black: XTSF42002  
White: XTSF42003  
Use with: XTS11 & XTS41



**XTS11**  
Connector end feed

Silver: XTS111  
Black: XTS112  
White: XTS113  
Use with: All track



**XTS41**  
End cap

Silver: XTS411  
Black: XTS412  
White: XTS413  
Use with: All track

#### Recessed cover plates



**XTSF10**  
Feed cover plate

Silver: XTSF101  
Black: XTSF102  
White: XTSF103  
Use with: XTS11 & XTS14



**XTSF30**  
Connector cover plate

Silver: XTSF301  
Black: XTSF302  
White: XTSF303  
Use with: XTS38, XTS34, XTS35, XTS36, XTS37, XTS39, XTS40

#### Corners (outside grids only)



**XTS35**  
L-connector mirror

Silver: XTS351  
Black: XTS352  
White: XTS353  
Use with: All track

#### Corners (inside grids only)



**XTS34**  
L-connector

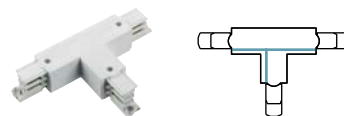
Silver: XTS341  
Black: XTS342  
White: XTS343  
Use with: All track

#### T-connectors (inside grids only)



**XTS37**  
T-connector

Silver: XTS371  
Black: XTS372  
White: XTS373  
Use with: All track



**XTS40**  
T-connector mirror

Silver: XTS401  
Black: XTS402  
White: XTS403  
Use with: All track

#### Bending tool



**XTSV12**  
Bending tool

XTSV12  
Use with: All track



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Fully adjustable luminaire. Direct light as required
- › LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- › Compatible with Global™ 3 circuit track
- › Available in white, silver and black finishes
- › Choice of colour temperatures and beam angles

LARGE TRACK

Large 38W LED track light



Ideal for use indoors



7-year extended warranty available



L70, B50

35DCM

PHOTOMETRICS @ 25°C

LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	TLBLK2040	>90Ra	2800	74	12950
	Black	70°	TLBLK7040	>90Ra	2800	74	2400
	Silver	20°	TLSIL2040	>90Ra	2800	74	12950
	Silver	70°	TLSIL7040	>90Ra	2800	74	2400
	White	20°	TLWH2040	>90Ra	2800	74	12950
	White	70°	TLWH7040	>90Ra	2800	74	2400
3000K	Black	20°	TLBLK2030	>90Ra	2100	55	10300
	Black	70°	TLBLK7030	>90Ra	2100	55	1850
	Silver	20°	TLSIL2030	>90Ra	2100	55	10300
	Silver	70°	TLSIL7030	>90Ra	2100	55	1850
	White	20°	TLWH2030	>90Ra	2100	55	10300
	White	70°	TLWH7030	>90Ra	2100	55	1850

GENERAL

Construction material: Steel / aluminium / polycarbonate

Inrush current: 31A, 0.18ms

WIRING

Cable / flying lead: 3 circuit track

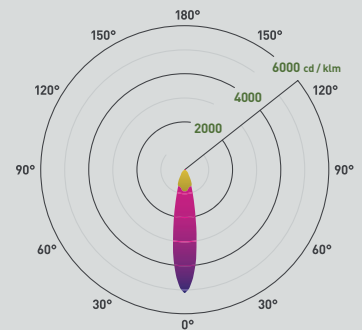
LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.90	No	-

ACCESSORIES

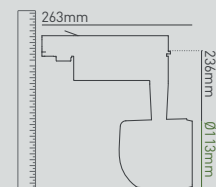
Product code	Description	
TRACK ACCESSORIES	Global™ lighting track and accessories	180
RHCL*	Glare reducing honeycomb baffle	185

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

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LIGHTING



FEATURES & BENEFITS

- › Fully adjustable luminaire. Direct light as required
- › LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- › Compatible with Global™ 3 circuit track
- › Available in white, silver and black finishes
- › Choice of colour temperatures and beam angles

MEDIUM TRACK

Medium 31W LED track light



Ideal for use indoors

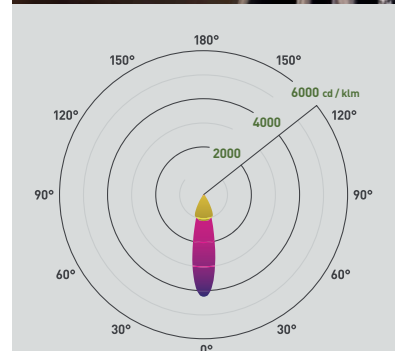
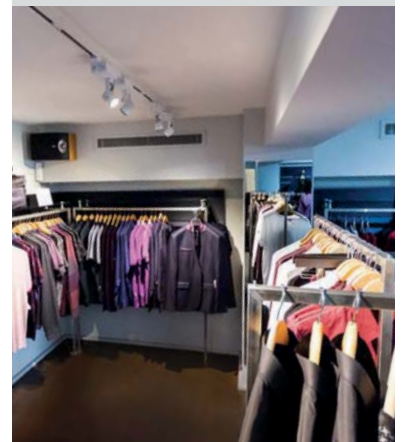


7-year extended warranty available

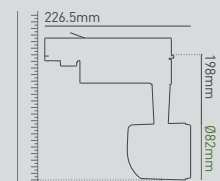


L70, B50

35DCM



4000K 20° / 4000K 70°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Scale: A+, A, A, C, D, E

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PHOTOMETRICS @ 25°C LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	TMBLK2040	>90Ra	2000	64	10140
	Black	70°	TMBLK7040	>90Ra	2000	64	2100
	Silver	20°	TMSIL2040	>90Ra	2000	64	10140
	Silver	70°	TMSIL7040	>90Ra	2000	64	2100
	White	20°	TMWH2040	>90Ra	2000	64	10140
	White	70°	TMWH7040	>90Ra	2000	64	2100
3000K	Black	20°	TMBLK2030	>90Ra	1700	55	8900
	Black	70°	TMBLK7030	>90Ra	1700	55	1750
	Silver	20°	TMSIL2030	>90Ra	1700	55	8900
	Silver	70°	TMSIL7030	>90Ra	1700	55	1750
	White	20°	TMWH2030	>90Ra	1700	55	8900
	White	70°	TMWH7030	>90Ra	1700	55	1750

GENERAL

Construction material	Steel / aluminium / polycarbonate
Inrush current	21.4A, 0.008ms

WIRING

Cable / flying lead	3 circuit track
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LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.90	No	-

ACCESSORIES

Product code	Description	
TRACK ACCESSORIES	Global™ lighting track and accessories	180
RHCM*	Glare reducing honeycomb baffle	185

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



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LIGHTING



FEATURES & BENEFITS

- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Compatible with Global™ 3 circuit track
- > Available in white, silver and black finishes
- > Choice of colour temperatures and beam angles



SMALL TRACK

Small 16W LED track light

IP20

Ideal for use indoors

G

7-year extended warranty available

20/50°

16W

240V

90°

355°

<60°C

±40°C

420g

L70, B50

35DCM

PHOTOMETRICS @ 25°C

LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	TSBLK2040	>90Ra	1000	62	4140
	Black	50°	TSBLK5040	>90Ra	1000	62	1650
	Silver	20°	TSSIL2040	>90Ra	1000	62	4140
	Silver	50°	TSSIL5040	>90Ra	1000	62	1650
	White	20°	TSWH2040	>90Ra	1000	62	4140
	White	50°	TSWH5040	>90Ra	1000	62	1650
3000K	Black	20°	TSBLK2030	>90Ra	750	48	3200
	Black	50°	TSBLK5030	>90Ra	750	48	1300
	Silver	20°	TSSIL2030	>90Ra	750	48	3200
	Silver	50°	TSSIL5030	>90Ra	750	48	1300
	White	20°	TSWH2030	>90Ra	750	48	3200
	White	50°	TSWH5030	>90Ra	750	48	1300

GENERAL

Construction material: Steel / aluminium / polycarbonate

Inrush current: 5.5A, 0.015ms

WIRING

Cable / flying lead: 3 circuit track

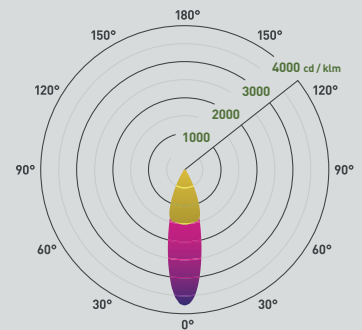
LED DRIVERS

Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.90	No	-

ACCESSORIES

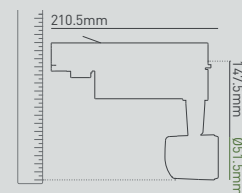
Product code	Description	
TRACK ACCESSORIES	Global™ lighting track and accessories	180
RHCS*	Glare reducing honeycomb baffle	185

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 50°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

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LIGHTING



## RHCL | RHCM | RHCS

Glare reducing honeycomb baffle

**1 yr** 1 year guarantee



RHCL

RHCM

RHCS

### PRODUCT DATA

Product code	RHCL	(Large)
	RHCM	(Medium)
	RHCS	(Small)

### GENERAL

Construction material	Steel / aluminium
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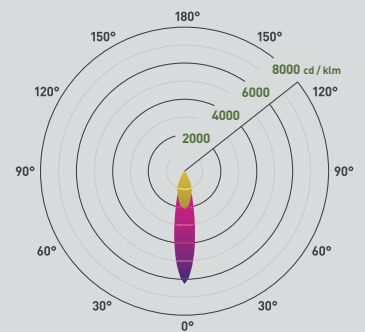
### USE IN CONJUNCTION WITH

RHCL	RHCM	RHCS
RDSL	RDSM	RDSS
SQSL	SQSM	SQSS
LARGE TRACK	MEDIUM TRACK	SMALL TRACK

## 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

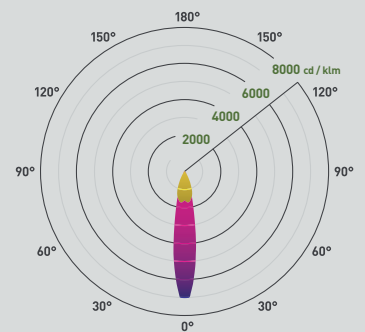
### RDSL | SQSL | LARGE TRACK



4000K 20° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

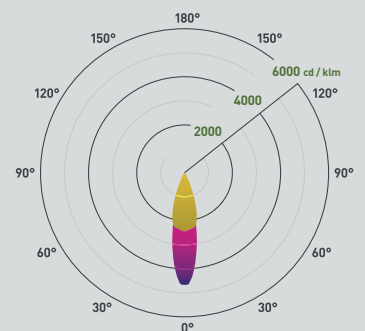
### RDSM | SQSM | MEDIUM TRACK



4000K 20° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

### RDSS | SQSS | SMALL TRACK



4000K 20° / 4000K 50°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Fully adjustable luminaire. Direct light as required
- › LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- › Choice of colour temperatures and beam angles
- › Ideal for retail and hospitality environments

RDSL

Large, round, recessed, 32W adjustable LED downlight



Ideal for use indoors



7-year extended warranty available



L70, B50

35DCM

PHOTOMETRICS @ 25°C

LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	RDSLBLK2040	>90Ra	2800	88 [73]*	12950
	Black	70°	RDSLBLK7040	>90Ra	2800	88 [73]*	2400
	Silver	20°	RDSL SIL2040	>90Ra	2800	88 [73]*	12950
	Silver	70°	RDSL SIL7040	>90Ra	2800	88 [73]*	2400
	White	20°	RDSLWH2040	>90Ra	2800	88 [73]*	12950
	White	70°	RDSLWH7040	>90Ra	2800	88 [73]*	2400
3000K	Black	20°	RDSLBLK2030	>90Ra	2100	66 [55]*	10300
	Black	70°	RDSLBLK7030	>90Ra	2100	66 [55]*	1850
	Silver	20°	RDSL SIL2030	>90Ra	2100	66 [55]*	10300
	Silver	70°	RDSL SIL7030	>90Ra	2100	66 [55]*	1850
	White	20°	RDSLWH2030	>90Ra	2100	66 [55]*	10300
	White	70°	RDSLWH7030	>90Ra	2100	66 [55]*	1850

\* lm/tW (lumens per total circuit wattage)

GENERAL

Construction material Aluminium / steel

WIRING

Cable / flying lead 0.30m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series (Class III)

LED DRIVERS

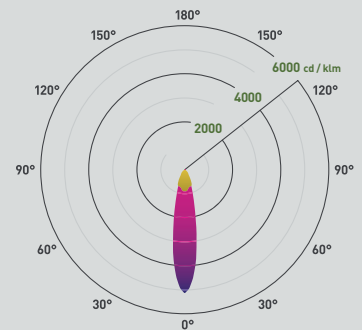
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PSDIM900	900	Yes	>0.95	Yes (1-10V)	-	1	1
PSDAL900M	900	Yes	>0.95	Yes (DALI)	-	1	1

For LED driver bathroom zone & additional LED drivers see page 274-279

ACCESSORIES

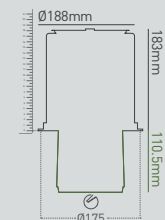
Product code	Description	
RHCL†	Glare reducing honeycomb baffle	185
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

† Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

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LIGHTING



FEATURES & BENEFITS

- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Choice of colour temperatures and beam angles
- > Ideal for retail and hospitality environments

**SQSL**

Large, square, recessed, 32W adjustable LED downlight

- IP20** Ideal for use indoors
- 7-year extended warranty** available

- 20/70°
- 32W
- 160x160
- 90°
- 355°
- <math>\pm 40^{\circ}\text{C}</math>
- 1.92kg
- 70,000h
- L70, B50
- 3SDCM

**PHOTOMETRICS** @ 25°C LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	SQSLBLK2040	>90Ra	2800	88 [73]*	12950
	Black	70°	SQSLBLK7040	>90Ra	2800	88 [73]*	2400
	Silver	20°	SQSLSIL2040	>90Ra	2800	88 [73]*	12950
	Silver	70°	SQSLSIL7040	>90Ra	2800	88 [73]*	2400
	White	20°	SQSLWH2040	>90Ra	2800	88 [73]*	12950
	White	70°	SQSLWH7040	>90Ra	2800	88 [73]*	2400
3000K	Black	20°	SQSLBLK2030	>90Ra	2100	66 [55]*	10300
	Black	70°	SQSLBLK7030	>90Ra	2100	66 [55]*	1850
	Silver	20°	SQSLSIL2030	>90Ra	2100	66 [55]*	10300
	Silver	70°	SQSLSIL7030	>90Ra	2100	66 [55]*	1850
	White	20°	SQSLWH2030	>90Ra	2100	66 [55]*	10300
	White	70°	SQSLWH7030	>90Ra	2100	66 [55]*	1850

\* lm/tcW (lumens per total circuit wattage)

**GENERAL**

Construction material: Aluminium / steel

**WIRING**

Cable / flying lead: 0.30m (0.205mm<sup>2</sup> red & black PTFE)  
 Type of wiring required: Series (Class III)

**LED DRIVERS**

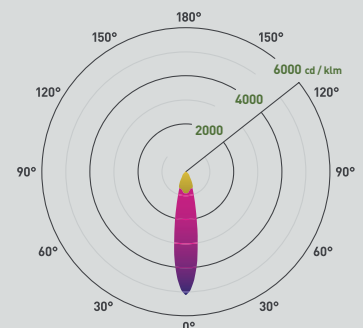
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PSDIM900	900	Yes	>0.95	Yes (1-10V)	-	1	1
PSDAL900M	900	Yes	>0.95	Yes (DALI)	-	1	1

For LED driver bathroom zone & additional LED drivers see page 274-279

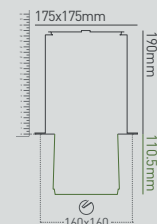
**ACCESSORIES**

Product code	Description	Price
RHCL*	Glare reducing honeycomb baffle	185
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 70°  
 Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

**LED** Energy Efficiency Class: **A+**

The lamps cannot be changed in the luminaire.

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Choice of colour temperatures and beam angles
- > Ideal for retail and hospitality environments

RDSM

Medium, round, recessed, 26W adjustable LED downlight



PHOTOMETRICS @ 25°C

LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	RDSMBLK2040	>90Ra	2000	77 [64]*	10140
	Black	70°	RDSMBLK7040	>90Ra	2000	77 [64]*	2100
	Silver	20°	RDSMSIL2040	>90Ra	2000	77 [64]*	10140
	Silver	70°	RDSMSIL7040	>90Ra	2000	77 [64]*	2100
	White	20°	RDSMWH2040	>90Ra	2000	77 [64]*	10140
	White	70°	RDSMWH7040	>90Ra	2000	77 [64]*	2100
3000K	Black	20°	RDSMBLK2030	>90Ra	1700	65 [54]*	8900
	Black	70°	RDSMBLK7030	>90Ra	1700	65 [54]*	1750
	Silver	20°	RDSMSIL2030	>90Ra	1700	65 [54]*	8900
	Silver	70°	RDSMSIL7030	>90Ra	1700	65 [54]*	1750
	White	20°	RDSMWH2030	>90Ra	1700	65 [54]*	8900
	White	70°	RDSMWH7030	>90Ra	1700	65 [54]*	1750

\* lm/tW (lumens per total circuit wattage)

GENERAL

Construction material Aluminium / steel

WIRING

Cable / flying lead 0.30m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series (Class III)

LED DRIVERS

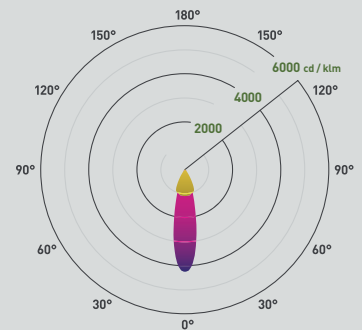
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 700MA	700	Yes	>0.95	Yes [1-10V]	-	1	1
PSDIM700	700	Yes	>0.95	Yes [1-10V]	-	1	2
PSDAL700M	700	Yes	>0.95	Yes [DALI]	-	1	2

For LED driver bathroom zone & additional LED drivers see page 274-279

ACCESSORIES

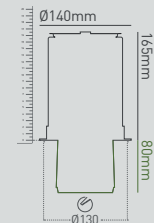
Product code	Description	
RHCM*	Glare reducing honeycomb baffle	185
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Choice of colour temperatures and beam angles
- > Ideal for retail and hospitality environments

SQSM

Medium, square, recessed, 26W adjustable LED downlight

- IP20 Ideal for use indoors
- 7-year extended warranty available

- 20°/70°
- 26W
- 125x125
- 90°
- 355°
- ±60°C
- ±40°C
- 1.26kg
- 70,000h
- L70, B50
- 3SDCM

PHOTOMETRICS @ 25°C LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	SQSMBLK2040	>90Ra	2000	77 (64)*	10140
	Black	70°	SQSMBLK7040	>90Ra	2000	77 (64)*	2100
	Silver	20°	SQSMSIL2040	>90Ra	2000	77 (64)*	10140
	Silver	70°	SQSMSIL7040	>90Ra	2000	77 (64)*	2100
	White	20°	SQSMWH2040	>90Ra	2000	77 (64)*	10140
	White	70°	SQSMWH7040	>90Ra	2000	77 (64)*	2100
3000K	Black	20°	SQSMBLK2030	>90Ra	1700	65 (54)*	8900
	Black	70°	SQSMBLK7030	>90Ra	1700	65 (54)*	1750
	Silver	20°	SQSMSIL2030	>90Ra	1700	65 (54)*	8900
	Silver	70°	SQSMSIL7030	>90Ra	1700	65 (54)*	1750
	White	20°	SQSMWH2030	>90Ra	1700	65 (54)*	8900
	White	70°	SQSMWH7030	>90Ra	1700	65 (54)*	1750

\* lm/tW (lumens per total circuit wattage)

GENERAL

Construction material Aluminium / steel

WIRING

Cable / flying lead 0.30m (0.205mm² red & black PTFE)

Type of wiring required Series (Class III)

LED DRIVERS

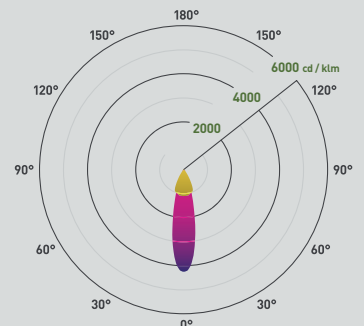
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 700MA	700	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM700	700	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL700M	700	Yes	>0.95	Yes (DALI)	-	1	2

For LED driver bathroom zone & additional LED drivers see page 274-279

ACCESSORIES

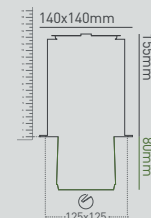
Product code	Description	
RHCM*	Glare reducing honeycomb baffle	185
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 70°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A+ (LED)

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COLLINGWOOD  
LIGHTING



## FEATURES & BENEFITS

- › Fully adjustable luminaire. Direct light as required
- › LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- › Choice of colour temperatures and beam angles
- › Ideal for retail and hospitality environments

## RDSS

Small, round, recessed, 13W adjustable LED downlight

IP20

Ideal for use indoors



7-year extended warranty available



L70, B50

35DCM

### PHOTOMETRICS @ 25°C

LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	RDSSBLK2040	>90Ra	1000	77 (64)*	4140
	Black	50°	RDSSBLK5040	>90Ra	1000	77 (64)*	1650
	Silver	20°	RDSSSIL2040	>90Ra	1000	77 (64)*	4140
	Silver	50°	RDSSSIL5040	>90Ra	1000	77 (64)*	1650
	White	20°	RDSSWH2040	>90Ra	1000	77 (64)*	4140
	White	50°	RDSSWH5040	>90Ra	1000	77 (64)*	1650
3000K	Black	20°	RDSSBLK2030	>90Ra	750	58 (48)*	3200
	Black	50°	RDSSBLK5030	>90Ra	750	58 (48)*	1300
	Silver	20°	RDSSSIL2030	>90Ra	750	58 (48)*	3200
	Silver	50°	RDSSSIL5030	>90Ra	750	58 (48)*	1300
	White	20°	RDSSWH2030	>90Ra	750	58 (48)*	3200
	White	50°	RDSSWH5030	>90Ra	750	58 (48)*	1300

\* lm/tW (lumens per total circuit wattage)

### GENERAL

Construction material Aluminium / steel

### WIRING

Cable / flying lead 0.30m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required Series (Class III)

### LED DRIVERS

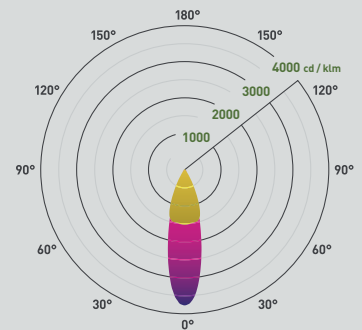
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 350MA	350	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM350	350	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL350M	350	Yes	>0.95	Yes (DALI)	-	1	2

For LED driver bathroom zone & additional LED drivers see page 274-279

### ACCESSORIES

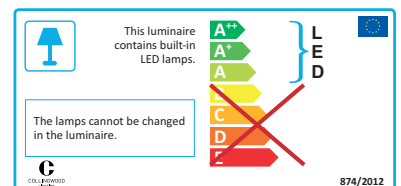
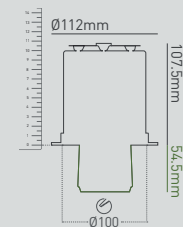
Product code	Description	
RHCS*	Glare reducing honeycomb baffle	185
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 50°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Choice of colour temperatures and beam angles
- > Ideal for retail and hospitality environments

**SQSS**

Small, square, recessed, 13W adjustable LED downlight

- IP20** Ideal for use indoors
- 7-year extended warranty** available

- 20°/50° beam angle
- 13W power
- 90x90mm size
- 90° adjustability
- 355° rotation
- ±60°C temperature
- ±40°C temperature
- 540g weight
- 70,000h lifespan
- 3SDCM colour consistency

**PHOTOMETRICS @ 25°C** LUXEON CrispWhite technology applicable to 3000K option only

Colour	Finish	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	Black	20°	SQSSBLK2040	>90Ra	1000	77 (64)*	4140
	Black	50°	SQSSBLK5040	>90Ra	1000	77 (64)*	1650
	Silver	20°	SQSSSIL2040	>90Ra	1000	77 (64)*	4140
	Silver	50°	SQSSSIL5040	>90Ra	1000	77 (64)*	1650
	White	20°	SQSSWH2040	>90Ra	1000	77 (64)*	4140
	White	50°	SQSSWH5040	>90Ra	1000	77 (64)*	1650
3000K	Black	20°	SQSSBLK2030	>90Ra	750	58 (48)*	3200
	Black	50°	SQSSBLK5030	>90Ra	750	58 (48)*	1300
	Silver	20°	SQSSSIL2030	>90Ra	750	58 (48)*	3200
	Silver	50°	SQSSSIL5030	>90Ra	750	58 (48)*	1300
	White	20°	SQSSWH2030	>90Ra	750	58 (48)*	3200
	White	50°	SQSSWH5030	>90Ra	750	58 (48)*	1300

\* lm/tW (lumens per total circuit wattage)

**GENERAL**

Construction material: Aluminium / steel

**WIRING**

Cable / flying lead: 0.30m (0.205mm² red & black PTFE)  
 Type of wiring required: Series (Class III)

**LED DRIVERS**

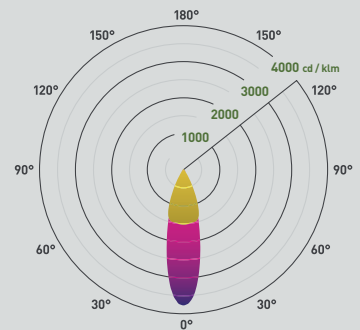
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 350MA	350	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM350	350	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL350M	350	Yes	>0.95	Yes (DALI)	-	1	2

For LED driver bathroom zone & additional LED drivers see page 274-279

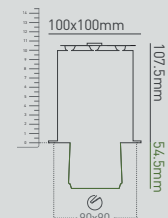
**ACCESSORIES**

Product code	Description	Price
RHCS*	Glare reducing honeycomb baffle	185
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



4000K 20° / 4000K 50°  
 Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED** Energy Efficiency Class: A+, A, A, B, C, D, E

874/2012

# UNIVERSAL LIGHTS

To create extraordinary lit environments



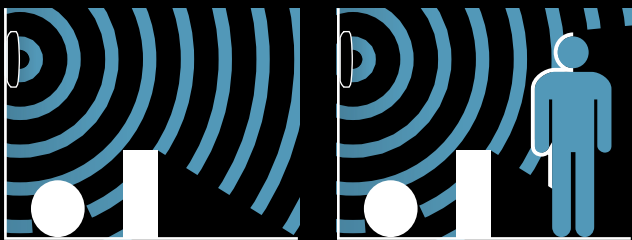
## VERSATILITY

Whether it's the underwater life in a pond, a shop window display or a historical monument that is being illuminated, there will be a product within the Universal Lights range that will provide a solution. Made from marine grade stainless steel 316 or anodised aluminium, these lights are designed to be ultra-flexible and durable. They can be used in almost any environment, and have very few limitations.



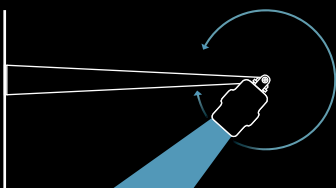
## PIR SENSORS

PIR sensors create grids in the surrounding space. When a new object enters the area blocking part of the grid the infrared energy levels change rapidly, this trips the sensor and turns on the light.



## UL BRACKET

The UL Bracket allows you to adjust your LEDLINE fitting to an angle of your choice: providing more options for how, and where, you direct the light. It is perfect for directing the light back onto a facade to highlight signage or features.



## SPOTLIGHTS - THE UL030 & UL010

Highlight points of focus and architectural features, inside and out, using these smart, powerful yet compact fittings. The UL030 is larger and more powerful, making it suitable for highlighting objects from a greater distance. The discreet UL010 is ideal for picking out details or lighting closer objects.

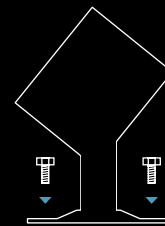


UL030

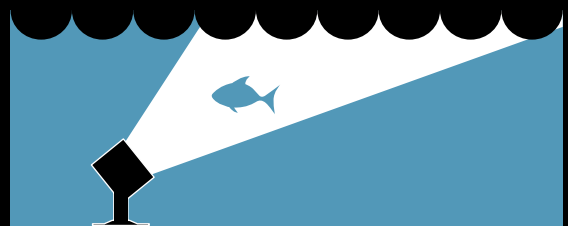


UL010

They can be mounted on most surfaces where recessing fittings is not possible.

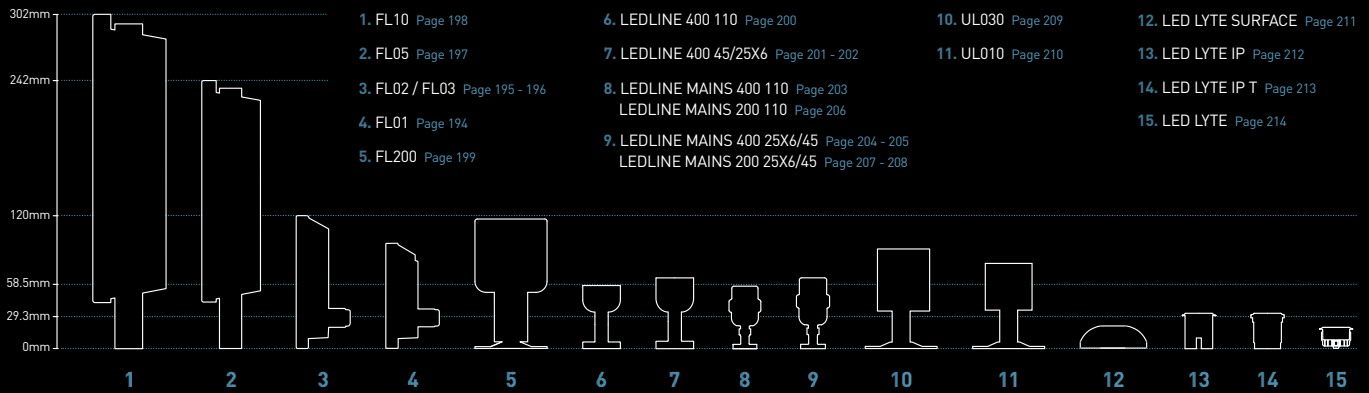


The UL030 and the UL010 are both fully submersible to 9m, and can be used to highlight pond life and other water features.





## SIZE COMPARISON

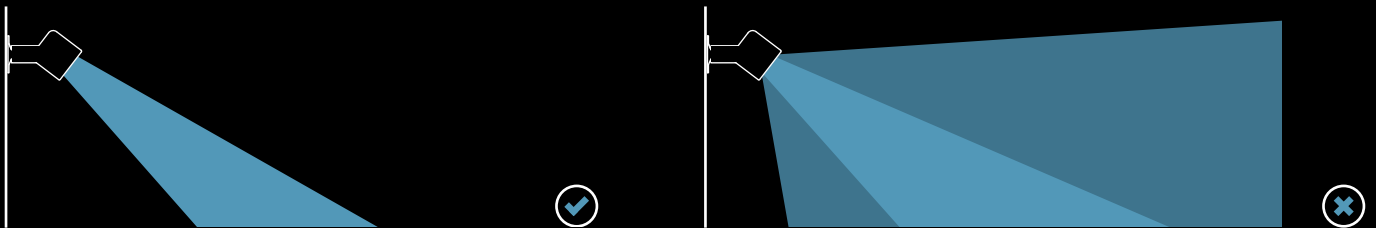


## ELLIPTICAL LIGHTS - THE FL200

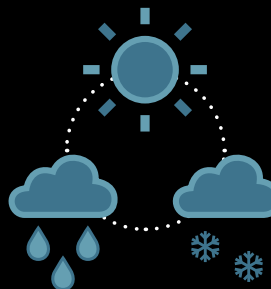
The FL200 is an extremely practical product, featuring an inbuilt mains dimmable LED driver and waterproof mains connector. It's ideal for hard to reach locations where the need for low maintenance lighting solutions is a priority.



The FL200 has been designed to provide a tightly controlled elliptical beam of light avoiding light pollution.



As it's frequently installed in hard to reach places, the product is constructed from anodised aluminium. Anodising, as opposed to powder coating, ensures it will not corrode. The bracket (typically the weak point of cheaper flood lights on the market) is 316 marine grade stainless steel to ensure rigidity and longevity. Many floodlights on the market will corrode and have the potential for rust to drip from the fixture, making unsightly marks on surfaces.



### Anodised aluminium & 316 marine grade stainless steel

Anodised aluminium will keep its black colour and quality finish even when faced with weathering.

316 marine grade stainless steel ensures a strong long lasting bracket.

Weathering over time

### Powder coated aluminium & untreated steel

Powder coated aluminium can corrode, blister and crack. This results in corrosion of the aluminium.

If a cheaper metal is used it is prone to rust which can run down onto the surface below. A cheaper metal is also weaker and more likely to break over time.



COLLINGWOOD  
LIGHTING



With PIR sensor

FEATURES & BENEFITS

- > Wide 120° general purpose exterior floodlight
- > Ideal for lighting large areas, courtyards, entrances or uplighting trees and buildings
- > Standard version IP65 PIR version IP44
- > Straight to mains product supplied with 1m flying lead
- > Supplied with tiltable bracket that can be easily adjusted

FL01  
10W flood light

- IP65\* Ideal for use outdoors
- PIR PIR sensor option available
- 100lm/W+ High efficacy
- 3-year extended warranty available

- 120°
- 10W
- 240V
- 180°
- <40°C
- 430g
- 25,000h
- 6SCDM

\* IP65 for non-PIR sensor options only, PIR options are IP44

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL01BC2X40	>80Ra	1080	103	461
3000K	120°	FL01BC2X30	>80Ra	1040	100	444

PIR SENSOR OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL01BC2P40	>80Ra	1070	100	457
3000K	120°	FL01BC2P30	>80Ra	1010	94	431

GENERAL

Construction material	Black painted cast aluminium
Inrush current	0.08A 7.5ms

WIRING

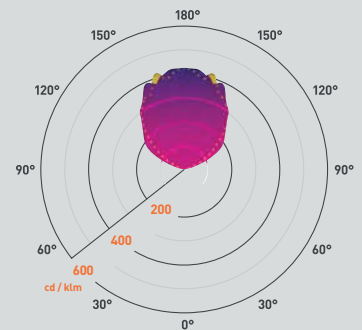
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

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

ACCESSORIES

Product code	Description
-	There are currently no accessories associated with this product



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

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COLLINGWOOD  
LIGHTING



With PIR sensor

FEATURES & BENEFITS

- Wide 120° general purpose exterior floodlight
- Ideal for lighting large areas, courtyards, entrances or uplighting trees and buildings
- Standard version IP65  
PIR version IP44
- Straight to mains product supplied with 1m flying lead
- Supplied with tiltable bracket that can be easily adjusted

FL02  
20W flood light

Ideal for use outdoors  
 PIR sensor option available  
 High efficacy  
 3-year extended warranty available  
 120°  
 20W  
 240V  
 180°  
 <math>\pm 40^{\circ}\text{C}</math>  
 670g  
 25,000h  
 6SCDM

\* IP65 for non-PIR sensor options only, PIR options are IP44

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL02BC2X40	>80Ra	2120	108	834
3000K	120°	FL02BC2X30	>80Ra	1950	99	767

PIR SENSOR OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL02BC2P40	>80Ra	2020	101	794
3000K	120°	FL02BC2P30	>80Ra	1970	98	775

GENERAL

Construction material	Black painted cast aluminium
Inrush current	0.114A 7.5ms

WIRING

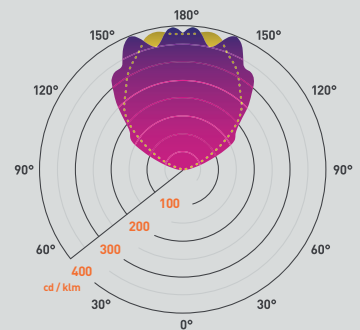
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

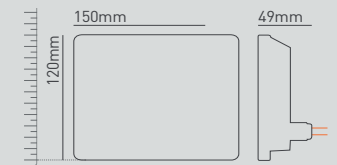
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description
-	There are currently no accessories associated with this product



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A+, A, A, C, D, E

874/2012



COLLINGWOOD  
LIGHTING



With PIR sensor

FEATURES & BENEFITS

- > Wide 120° general purpose exterior floodlight
- > Ideal for lighting large areas, courtyards, entrances or uplighting trees and buildings
- > Standard version IP65 PIR version IP44
- > Straight to mains product supplied with 1m flying lead
- > Supplied with tiltable bracket that can be easily adjusted

FL03

30W flood light

- IP65\* Ideal for use outdoors
- PIR PIR sensor option available
- 100lm/W+ High efficacy
- 3-year extended warranty available

- 120°
- 30W
- 240V
- 180°
- <40°C
- 690g
- 25,000h
- 6SCDM

\* IP65 for non-PIR sensor options only, PIR options are IP44

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL03BC2X40	>80Ra	3100	104	1341
3000K	120°	FL03BC2X30	>80Ra	3040	100	1315

PIR SENSOR OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL03BC2P40	>80Ra	3100	101	1341
3000K	120°	FL03BC2P30	>80Ra	2990	98	1293

GENERAL

Construction material	Black painted cast aluminium
Inrush current	0.19A 7.5ms

WIRING

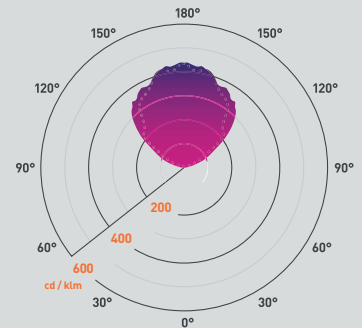
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

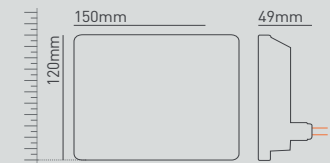
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description
-	There are currently no accessories associated with this product



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012





COLLINGWOOD  
LIGHTING



With PIR sensor

FEATURES & BENEFITS

- Wide 120° general purpose exterior floodlight
- Ideal for lighting large areas, courtyards, entrances or uplighting trees and buildings
- Standard version IP65  
PIR version IP44
- Straight to mains product supplied with 1m flying lead
- Supplied with tiltable bracket that can be easily adjusted

FL05  
50W flood light

Ideal for use outdoors  
 PIR sensor option available  
 High efficacy  
 3-year extended warranty available  
 120°  
 50W  
 240V  
 180°  
 <math>\pm 40^{\circ}\text{C}</math>  
 1.43kg  
 25,000h  
 6SCDM

\* IP65 for non-PIR sensor options only, PIR options are IP44

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL05BC2X40	>80Ra	5740	109	2634
3000K	120°	FL05BC2X30	>80Ra	5090	98	2336

PIR SENSOR OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	120°	FL05BC2P40	>80Ra	5140	98	2450
3000K	120°	FL05BC2P30	>80Ra	4830	99	2483

GENERAL

Construction material	Black painted cast aluminium
Inrush current	0.23A 0.076ms

WIRING

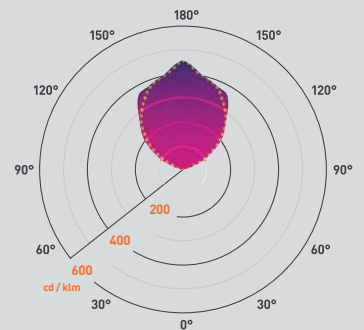
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

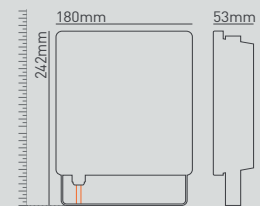
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description
-	There are currently no accessories associated with this product



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
   
  
 The lamps cannot be changed in the luminaire.

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COLLINGWOOD  
LIGHTING



With PIR sensor

FEATURES & BENEFITS

- > Wide 120° general purpose exterior floodlight
- > Ideal for lighting large areas, courtyards, entrances or uplighting trees and buildings
- > Standard version IP65 PIR version IP44
- > Straight to mains product supplied with 1m flying lead
- > Supplied with tiltable bracket that can be easily adjusted

FL10  
100W flood light

Ideal for use outdoors  
 PIR sensor option available  
 High efficacy  
 3-year extended warranty available

\* IP65 for non-PIR sensor options only, PIR options are IP44

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
● 4000K	120°	FL10BC2X40	>80Ra	10900	109	4488
● 3000K	120°	FL10BC2X30	>80Ra	10090	100	4154

PIR SENSOR OPTION PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
● 4000K	120°	FL10BC2P40	>80Ra	10500	103	4323
● 3000K	120°	FL10BC2P30	>80Ra	9670	94	3981

GENERAL

Construction material	Black painted cast aluminium
Inrush current	31A 0.05ms

WIRING

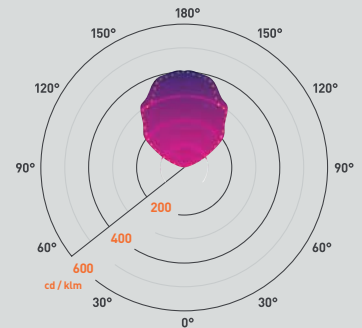
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

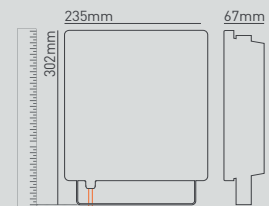
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description
-	There are currently no accessories associated with this product



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.
   
  
 The lamps cannot be changed in the luminaire.

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Complete with wall fixings
- › Straight to mains
- › Mains waterproof connector included
- › Max. 3 on 500W mains dimmer  
Max. 5 on 1000W mains dimmer
- › Compatible with many leading lighting control systems



FL200

Dimmable linear LED flood light

- IP65 Ideal for use outdoors
- 7-year extended warranty available

- 50°
- 21W
- 240V
- 180°
- 360°
- <math>\leq 40^{\circ}\text{C}</math>
- <math>\leq 35^{\circ}\text{C}</math>
- 1.3kg
- 2
- 70,000h
- 3SDCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	50°	FL200FNW	>70Ra	1415	67	2300
3000K	50°	FL200FWW	>80Ra	1292	62	2050

GENERAL

Construction material	Anodised aluminium (body) stainless steel 316 (bracket)
Inrush current	15A 0.5ms

WIRING

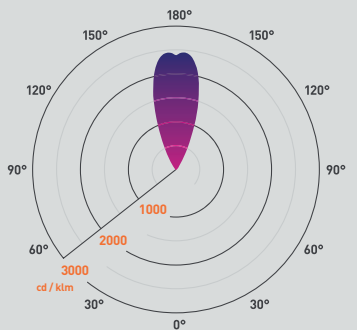
Cable / flying lead	N/A (IP65 waterproof connector)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

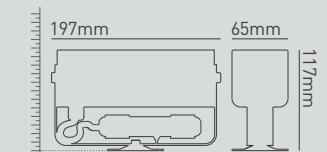
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	Yes (mains)	2	-	-

ACCESSORIES

Product code	Description
Dimming options	Call us on 01604 495151 for more information



4000K 50°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

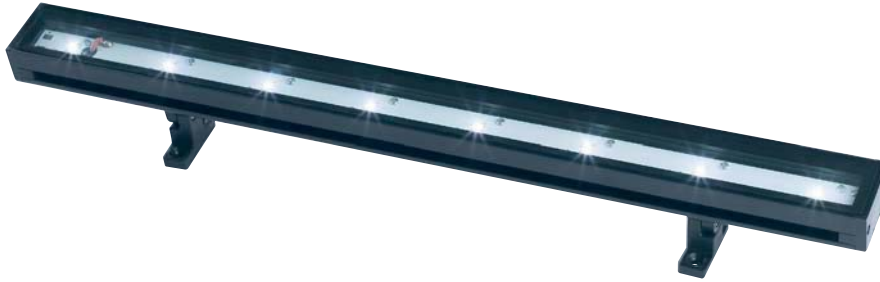
The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A+, A, A, C, D, E

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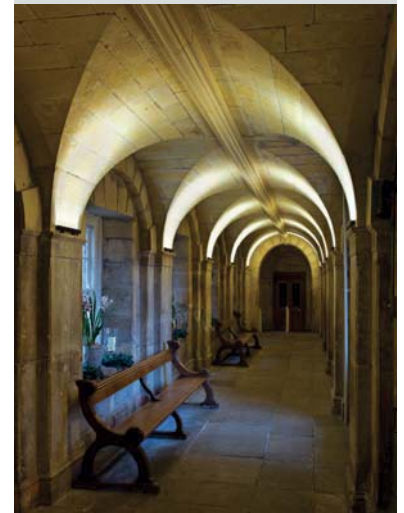


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > Robust cable for permanent use outdoors
- > Wide beam angle ideal for wall wash



LEDLINE 400 110

110° LED wall washing light bar

- IP65** Ideal for use outdoors
- 7-year extended warranty available**
- Also available in RGB See page 251

- 110°
- 16W
- 180°
- 45°C
- 40°C
- 800g
- 1 ZONE
- L70, B10
- 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	LEDLINE 400 NW 110	>70Ra	1000	63	519
3000K	110°	LEDLINE 400 WW 110	>80Ra	750	47	350

GENERAL

Construction material Anodised aluminium

WIRING

Cable / flying lead 3m (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required Series

LED DRIVERS

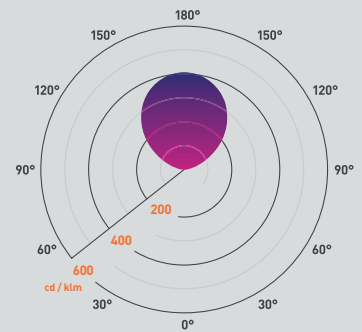
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	1
PL/IP/700 3-9	700	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	1

For LED driver bathroom zone & additional LED drivers see page 264

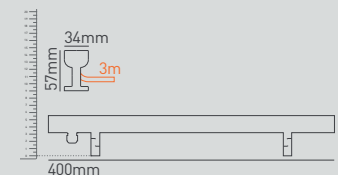
ACCESSORIES

Product code	Description	
JB4 / JB6	Gel filled junction box	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
WCR 275 BLACK	2-core rubber cable	281
ULBRACKET	2-piece black anodised aluminium bracket	215



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A++

LED

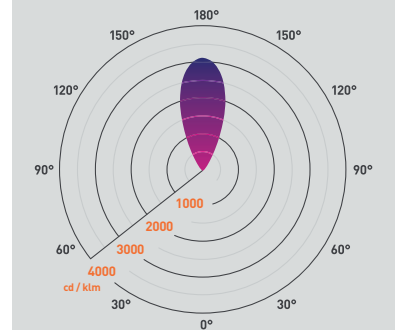
874/2012



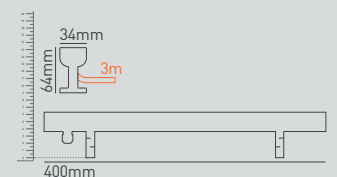


### FEATURES & BENEFITS

- > Asymmetric beam angle for distance wall wash
- > Robust cable for permanent use outdoors



4000K 25x6°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



## LEDLINE 400 25x6

25x6° LED wall washing light bar

 Ideal for use outdoors  
 7-year extended warranty available  
 Also available in RGB See page 252

#### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	25x6°	LEDLINE 400 NW 25X6	>70Ra	1000	63	3692
3000K	25x6°	LEDLINE 400 WW 25X6	>80Ra	750	47	2820

#### GENERAL

Construction material: Anodised aluminium

#### WIRING

Cable / flying lead: 3m (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required: Series

#### LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	1
PL/IP/700 3-9	700	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	1

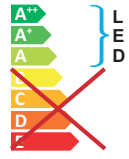
For LED driver bathroom zone & additional LED drivers see page 264

#### ACCESSORIES

Product code	Description	Price
JB4 / JB6	Gel filled junction box	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
WCR 275 BLACK	2-Core rubber cable	281
ULBRACKET	2-piece black anodised aluminium bracket	215

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.



LED

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COLLINGWOOD  
LIGHTING



# LEDLINE 400 45

45° LED wall washing light bar



Ideal for use outdoors



7-year extended warranty available



Also available in RGB See page 263



ZONE



L70, B10



35DCM

## PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
● 4000K	45°	LEDLINE 400 NW 45	>70Ra	1000	63	1752
● 3000K	45°	LEDLINE 400 WW 45	>80Ra	750	47	1415

## GENERAL

Construction material Anodised aluminium

## WIRING

Cable / flying lead 3m (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required Series

## LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	1
PL/IP/700 3-9	700	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	1

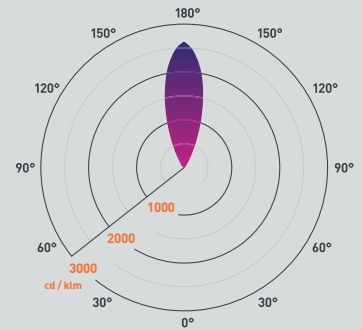
For LED driver bathroom zone & additional LED drivers see page 264

## ACCESSORIES

Product code	Description	
JB4 / JB6	Gel filled junction box	281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
WCR 275 BLACK	2-Core rubber cable	281
ULBRACKET	2-piece black anodised aluminium bracket	215

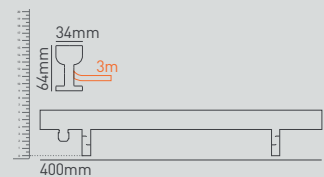
## FEATURES & BENEFITS

- > 45° beam angle ideal for mid-level wall wash
- > Robust cable for permanent use outdoors



## 4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A++ A+ A C D E

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Wide beam angle ideal for wall wash
- › Mains driver built in for quick installation
- › Robust cable for permanent use outdoors

LEDLINE MAINS 400 110°

110° straight to mains LED wall washing light bar



Ideal for use outdoors



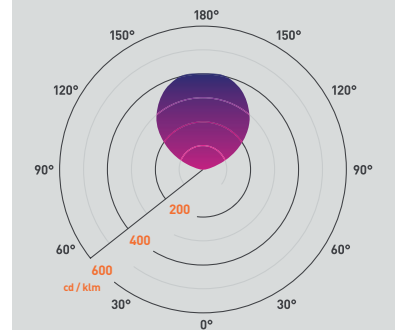
7-year extended warranty available



ZONE

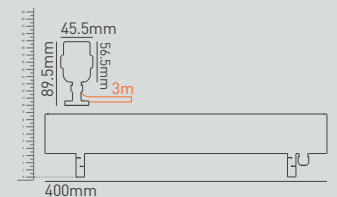
L70, B50

35DCM



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**A+**  
**A**  
**A**  
**B**  
**C**  
**D**  
**E**

**LED**

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PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	ULM345M40	>80Ra	1210	64	499
3000K	110°	ULM345M30	>80Ra	1320	70	499

GENERAL

Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIRING

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	No	2	-	-

ACCESSORIES

Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	215



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Asymmetric beam angle for distance wall wash
- › Mains driver built in for quick installation
- › Robust cable for permanent use outdoors

LEDLINE MAINS 400 25x6°

25x6° straight to mains LED wall washing light bar



PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
● 4000K	25x6°	ULM346M40	>80Ra	940	50	3480
● 3000K	25x6°	ULM346M30	>80Ra	880	46	3480

GENERAL

Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIRING

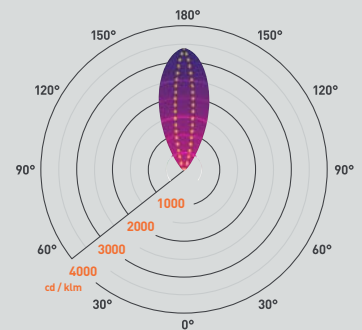
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	No	2	-	-

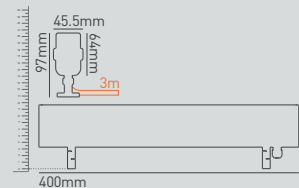
ACCESSORIES

Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	215



4000K C0/C180 / 4000K C90/C270

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A++ A+ A C D

874/2012





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > 45° beam angle ideal for mid-level wall wash
- > Mains driver built in for quick installation
- > Robust cable for permanent use outdoors

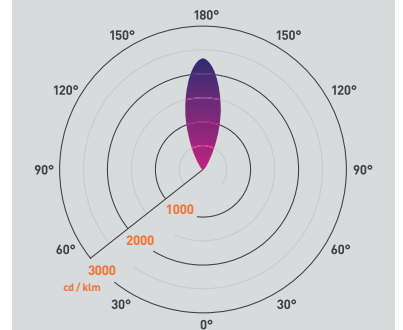
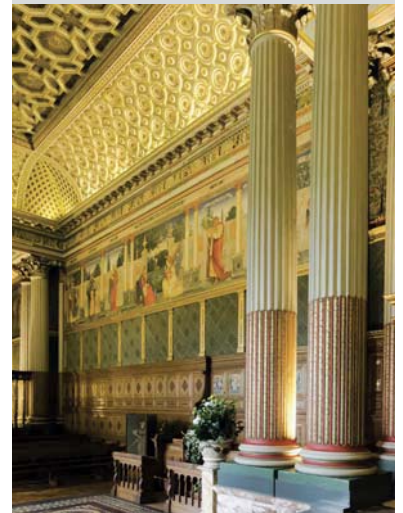
LEDLINE MAINS 400 45°

45° straight to mains LED wall washing light bar

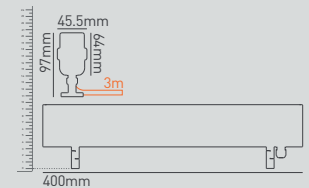
**IP65** Ideal for use outdoors

**7-year extended warranty** available

45° 19W 240V 180° IK02 <math>\pm 60^{\circ}\text{C}</math> <math>\pm 35^{\circ}\text{C}</math> 1.44kg 2 70,000h 3SDCM



4000K 45°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**A+**  
**A**  
**A**  
**C**  
**D**  
**E**

**LED**

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PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	45°	ULM347M40	>80Ra	1020	53	2374
3000K	45°	ULM347M30	>80Ra	1000	53	2374

GENERAL

Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIRING

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	No	2	-	-

ACCESSORIES

Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	215



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Wide beam angle ideal for wall wash
- › Mains driver built in for quick installation
- › Robust cable for permanent use outdoors

LEDLINE MAINS 200 110°

110° straight to mains LED wall washing light bar



PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	ULS345M40	>80Ra	590	59	265
3000K	110°	ULS345M30	>80Ra	600	60	265

GENERAL

Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIRING

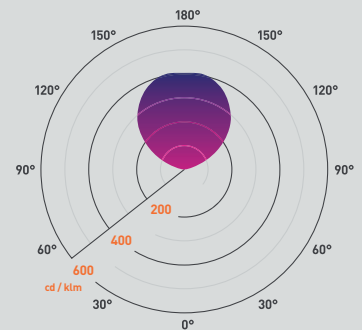
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	No	2	-	-

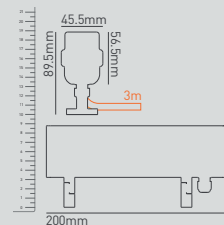
ACCESSORIES

Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	215



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED), A+, A, C, D, E (incandescent)

LED

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Asymmetric beam angle for distance wall wash
- › Mains driver built in for quick installation
- › Robust cable for permanent use outdoors

LEDLINE MAINS 200 25x6°

25x6° straight to mains LED wall washing light bar

**IP65** Ideal for use outdoors

**7-year extended warranty** available

25x6° 10W 240V 180° IK02 <math>\pm 60^{\circ}\text{C}</math> <math>\pm 35^{\circ}\text{C}</math> 900g 2 ZONE L70, B50 35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	25x6°	ULS346M40	>80Ra	490	49	1560
3000K	25x6°	ULS346M30	>80Ra	460	46	1560

GENERAL

Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIRING

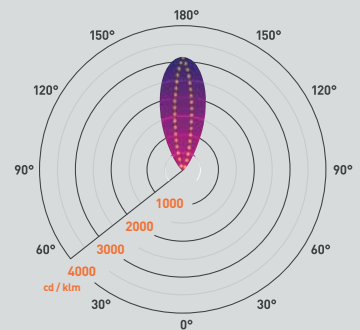
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

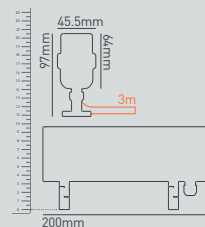
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	No	2	-	-

ACCESSORIES

Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	215



4000K C0/C180 / 4000K C90/C270  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A+ A A C D E

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- > 45° beam angle ideal for mid-level wall wash
- > Mains driver built in for quick installation
- > Robust cable for permanent use outdoors

LEDLINE MAINS 200 45°

45° straight to mains LED wall washing light bar



Ideal for use outdoors



7-year extended warranty available



ZONE

L70, B50

35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	45°	ULS347M40	>80Ra	530	53	1371
3000K	45°	ULS347M30	>80Ra	470	47	1371

GENERAL

Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIRING

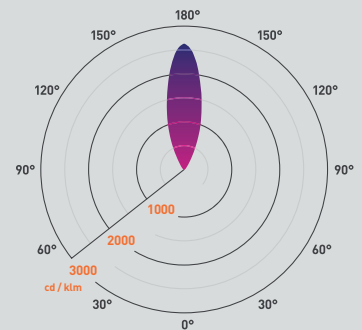
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	700	No	2	-	-

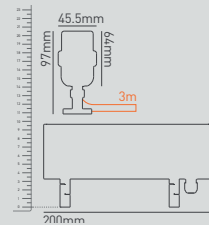
ACCESSORIES

Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	215



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED), A+, A, C, D, E (incandescent)

LED

874/2012





COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Complete with wall fixings
- › Equivalent to 35W halogen
- › Tilt & rotate for adjusting light
- › Robust cable for use outdoors



UL030

High output universal LED light

Submersible to 9m
 7-year extended warranty available
 Also available in RGBW See page 254

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	18°	UL030 NW	>70Ra	336	48	2710
3000K	18°	UL030 WW	>80Ra	254	36	1513
Blue	18°	UL030 BL	-	52	7	42

GENERAL

Construction material: Stainless steel (316)

WIRING

Cable / flying lead: 3m (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required: Series

LED DRIVERS

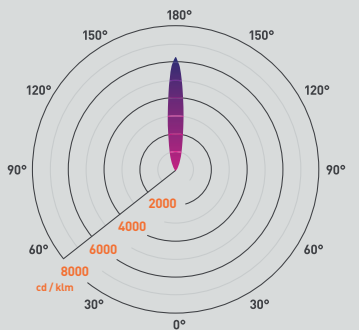
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	3
PL/IP/700 1-3	700	Yes	No	0	1	1
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 264

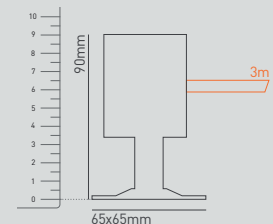
ACCESSORIES

Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
WCR 275 BLACK	2-core rubber cable	281



4000K 18°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

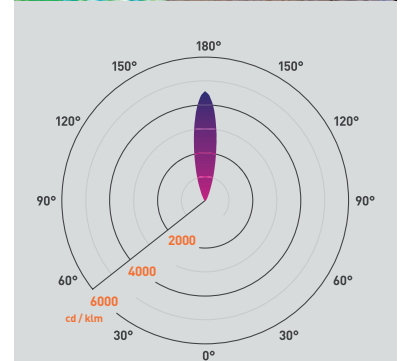
The lamps cannot be changed in the luminaire.

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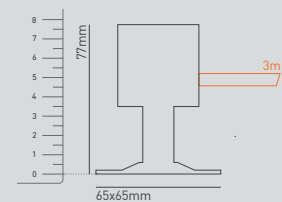


## FEATURES & BENEFITS

- › Complete with wall fixings
- › Robust cable for use outdoors
- › Tilt & rotate for adjusting light



**4000K 18°**  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



## UL010

Universal LED light

IP68

Submersible to 9m

G

7-year extended warranty available

W

Also available in RGBW See page 255

18°

3W

360°

360°

40°C

±35°C

500g

0

70,000h

35DCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	18°	UL010 NW	>70Ra	119	40	648
3000K	18°	UL010 WW	>80Ra	95	32	411
Blue	18°	UL010 BL	-	-	-	-

### GENERAL

Construction material: Stainless steel (316)

### WIRING

Cable / flying lead: 3 (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required: Series

### LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	3	9
PL/IP/700 1-3	700	Yes	No	0	1	3
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED drivers see page 264

### ACCESSORIES

Product code	Description	Price
JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	280-281
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280
WCR 275 BLACK	2-core rubber cable	281

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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LIGHTING



FEATURES & BENEFITS

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

LED LYTE SURFACE

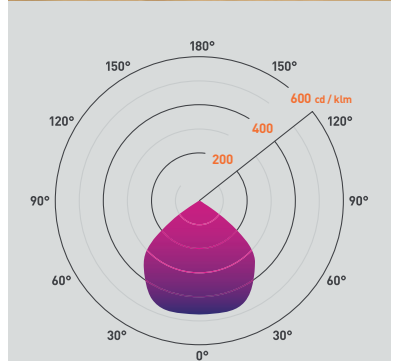
Surface-mount LED mini light

**IP65** Ideal for use outdoors

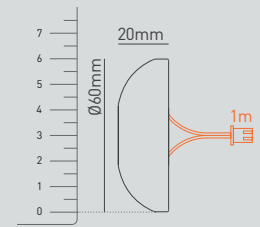
**7-year extended warranty available**

110° 1W 36°C 1.35°C 90g 1 70,000h 3SDCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)



4000K 110°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A+ A A C D E

874/2012

LED LYTE SURFACE

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	LED LYTE SURFACE NW	>70Ra	82	82	46
3000K	110°	LED LYTE SURFACE WW	>80Ra	63	63	30

GENERAL

Construction material	Anodised aluminium
-----------------------	--------------------

WIRING

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

NB: Removal of plugs will render this product non-returnable

LED DRIVERS Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	Price
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



## FEATURES & BENEFITS

- > Plug & Play connector for quick installation
- > Small & discreet
- > Ideal for decorative lighting



## LED LYTE IP

IP rated mini LED flood light

IP65

Ideal for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	LED LYTE IP NW	>70Ra	82	82	46
3000K	110°	LED LYTE IP WW	>80Ra	63	63	30
Amber	110°	LED LYTE IP AMBER	-	-	-	-
Blue	110°	LED LYTE IP BLUE	-	-	-	-
Green	110°	LED LYTE IP GREEN	-	-	-	-
Red	110°	LED LYTE IP RED	-	-	-	-

### GENERAL

Construction material: Anodised aluminium

### WIRING

Cable / flying lead: 1m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required: Series (Plug & Play)

NB: Removal of plugs will render this product non-returnable

### LED DRIVERS

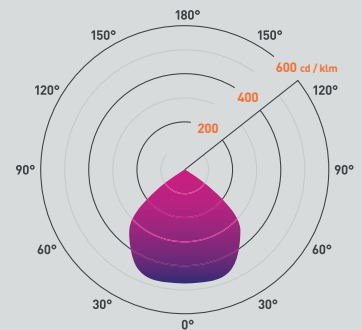
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

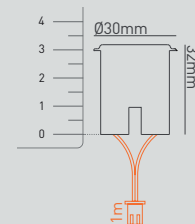
### ACCESSORIES

Product code	Description	Price
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



### 4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

A++

A+

A

B

C

D

E

F

LED

The lamps cannot be changed in the luminaire.

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### FEATURES & BENEFITS

- › Plug & Play connector for quick installation
- › Thread and nut for secure fitting
- › Small & discreet



## LED LYTE IP T

IP rated threaded mini LED light



Ideal for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

3SDCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	LED LYTE IP T NW	>70Ra	82	82	46
Blue	110°	LED LYTE IP T BL	-	-	-	-

### GENERAL

Construction material: Anodised aluminium

### WIRING

Cable / flying lead: 1m (0.205mm<sup>2</sup> red & black PTFE)

Type of wiring required: Series (Plug & Play)

NB: Removal of plugs will render this product non-returnable

### LED DRIVERS

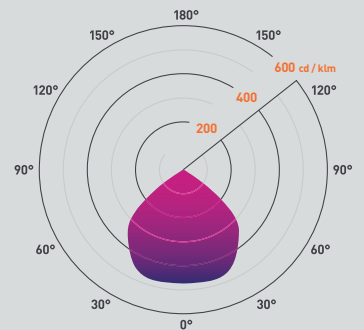
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

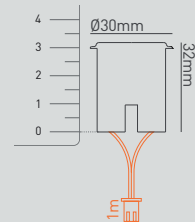
### ACCESSORIES


Product code	Description	Price
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280



### 4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)





This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

A+

A

A

B

C

D

E

LED

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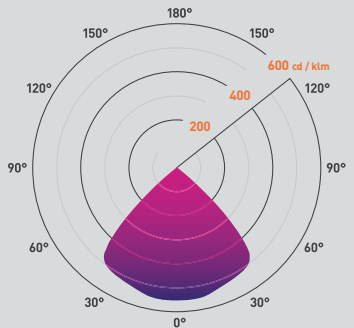


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LIGHTING



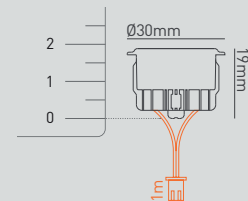
### FEATURES & BENEFITS

- > Plug & Play connector for quick installation
- > Small & discreet
- > Ideal for decorative lighting



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



## LED LYTE

Mini LED downlight

IP30

Ideal for use indoors

7-year extended warranty available

7-year extended warranty available

110°

1W

82%

39°C

±35°C

20g

70,000h

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	110°	LED LYTE NW	>70Ra	82	82	46
3000K	110°	LED LYTE WW	>80Ra	60	60	30
Amber	110°	LED LYTE AMBER	-	-	-	-
Blue	110°	LED LYTE BLUE	-	-	-	-
Red	110°	LED LYTE RED	-	-	-	-

### GENERAL

Construction material	Plastic
-----------------------	---------

### WIRING

Cable / flying lead	1m (0.205mm <sup>2</sup> red & black PTFE)
Type of wiring required	Series (Plug & Play)
NB: Removal of plugs will render this product non-returnable	

### LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

### ACCESSORIES

Product code	Description	Price
LED LYTE 1M EXT	1m Plug & Play extension lead	215
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	215
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	280

This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A++  
A+  
A  
B  
C  
D  
E

874/2012





**LED LYTE 1M EXT | LED LYTE 6 WAY EXT**

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

Product Code	LED LYTE 1M EXT LED LYTE 6 WAY EXT
Construction material	Plastic
Series / parallel	Series (Plug & Play)
Cable	1m
Guarantee	1-year

NB: Removal of plugs will render this product non-returnable

USE IN CONJUNCTION WITH	
DL120	94
DL130	94
LED LYTE	214
LED LYTE IP	212
LED LYTE IP T	213
LED LYTE SURFACE	211
PLU/PP/350 1-9	276
WL050	142

- › 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

**ULBRACKET**

Anodised aluminium bracket for LEDLINE range



Product Code	ULBRACKET
Construction material	AL6063 aluminium
Guarantee	1-year

USE IN CONJUNCTION WITH	
LEDLINE 400 110	200
LEDLINE 400 25X6	201
LEDLINE 400 45	202
LEDLINE MAINS 400 110	203
LEDLINE MAINS 400 25X6	204
LEDLINE MAINS 400 45	205
LEDLINE MAINS 200 110	206
LEDLINE MAINS 200 25X6	207
LEDLINE MAINS 200 45	208
UL345CARGB	251
UL346CARGB	252
UL347CARGB	253

› Supplied with fixtures & fittings



# SPIKE LIGHTS

To create engaging outdoor spaces



## CHOOSE YOUR EFFECT

Use spike lights to; illuminate pathways, highlight mid-level planting or to pick out features within a garden.



Pathways

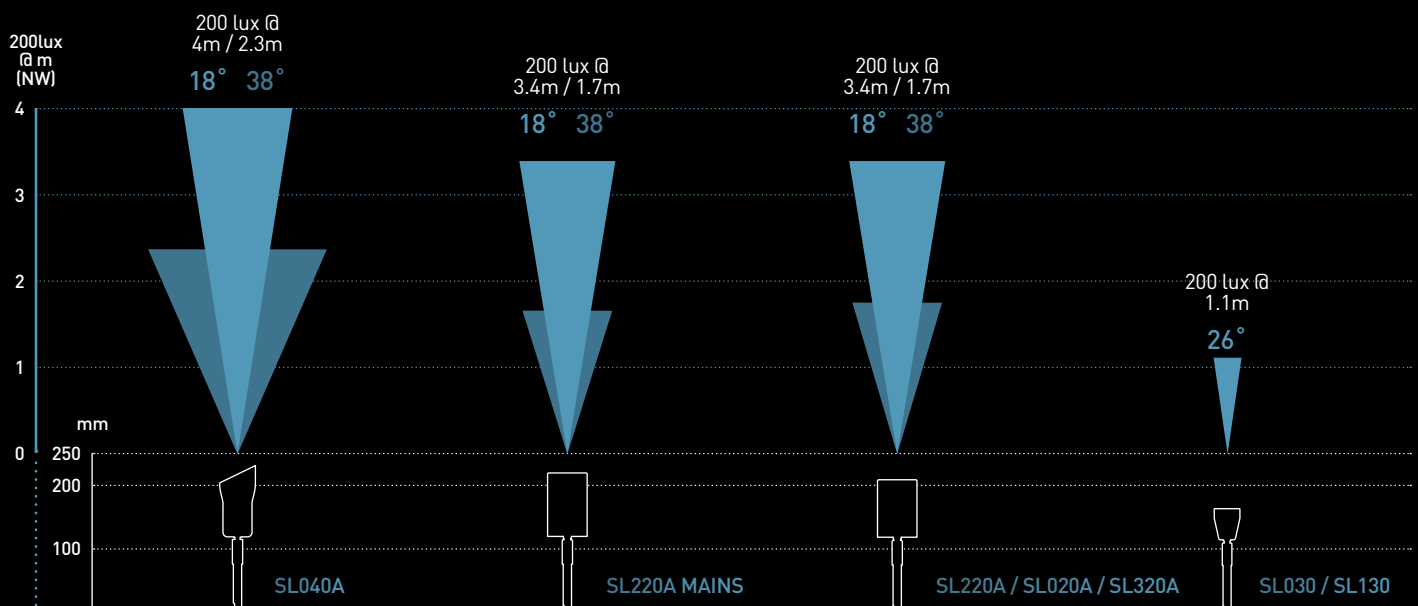


Mid-level planting



Features

## PRODUCT COMPARISON





## WATERPROOF

Collingwood spike lights are waterproof to IP65 and are designed for permanent use outdoors. Spike lights must be installed using waterproof connections to avoid moisture entering the cable through non-waterproof joints. To choose from our range of waterproof connectors see page 280-281



Check out our IP rated installation video on the Collingwood Lighting YouTube channel.

## LAYERING LIGHT

Spike lights work well as the main focus of an outdoor lighting scheme but also work equally well in spreading the focus throughout an installation. Combine different effects using these versatile fittings to light features at different levels, to create a scheme with depth and interest. Pathway lighting can be combined with up-lighting to create a multi-layered effect.



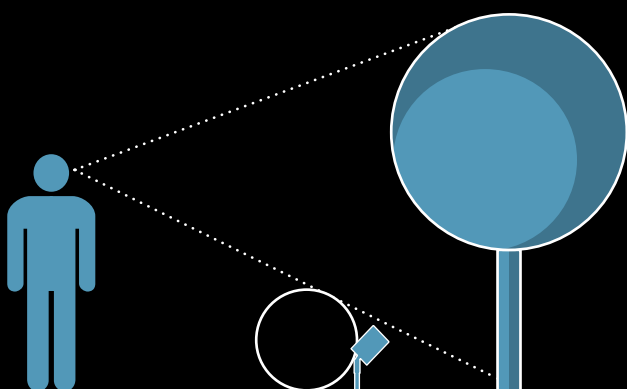
Light confined to one area



Light spread across installation

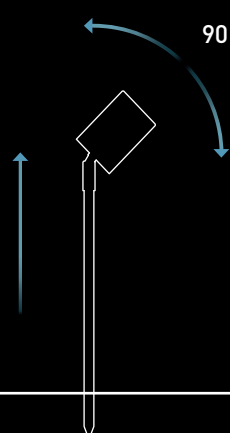
## DISCREET LIGHTING

Conceal spike lights to focus the eye on the illumination not the source of light.



## FLEXIBILITY

Spike lights are the most flexible lighting choice for a garden. They can be used in a variety of environments and are easy to reposition and adjust, providing the option to change the lighting scheme in line with the seasons. The SL220A MAINS is a straight to mains product, all other spike lights require a constant current power supply, allowing easy repositioning without the need for relaying the 240V AC cables.



### Tilt

Select the best angle to illuminate features.

### Move

Simply pick up and move a spike light to illuminate a different feature.



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FEATURES & BENEFITS

- › Equivalent to 35W halogen
- › Long spike included for extra stability
- › Robust cable for outdoor use
- › Hooded for reduced glare



SL040A

High output LED spike light



Ideal for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	SL040A F NW	>70Ra	520	74	1471
	18°	SL040A S NW	>70Ra	520	74	4614
3000K	38°	SL040A F WW	>80Ra	413	59	1168
	18°	SL040A S WW	>80Ra	413	59	3665
2700K <b>NEW</b>	38°	SL040A F 27	>80Ra	377	54	1066
	18°	SL040A S 27	>80Ra	377	54	3345

GENERAL

Construction material: Anodised aluminium

WIRING

Cable / flying lead: 3m H05RN-F rubberised cable (outside diameter: 6mm)  
 Type of wiring required: Series

LED DRIVERS

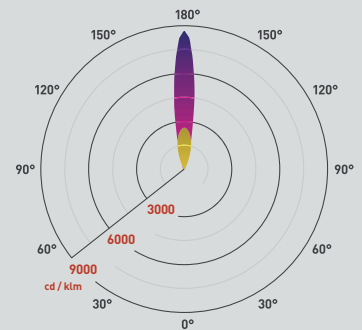
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	3
PL/IP/700 1-3	700	Yes	No	1	1	1
PLD UNI-DRIVE 700MA	700	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 264

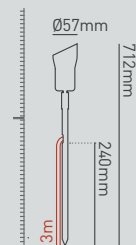
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	280-281
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	1-10V dimmer module	280



4000K 18° / 4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Equivalent to 20W halogen
- › Robust cable for outdoor use
- › Straight to mains



SL220A MAINS

Straight to mains LED spike light



Ideal for use outdoors



3-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	SL220A MAINS F NW	>70Ra	310	86	705
	18°	SL220A MAINS S NW	>70Ra	310	86	2823
3000K	38°	SL220A MAINS F WW	>80Ra	265	74	602
	18°	SL220A MAINS S WW	>80Ra	265	74	2413

GENERAL

Construction material	Anodised aluminium
Inrush current	9A 0.8ms

WIRING

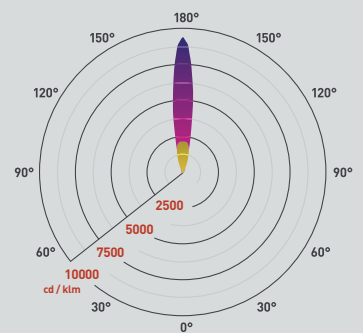
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

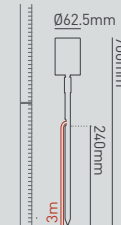
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES

Product code	Description	
JB5	Gel filled waterproof connector	281



4000K 18° / 4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012



COLLINGWOOD  
LIGHTING

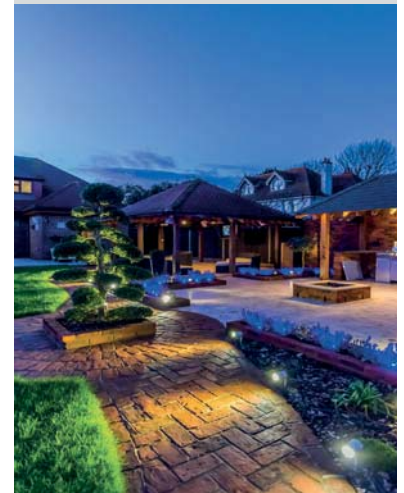


SL220A

SL020A BLK

FEATURES & BENEFITS

- › Equivalent to 20W halogen
- › Long spike included for extra stability
- › Robust cable for outdoor use



SL220A | SL020A BLK

3W LED spike light



Ideal for use outdoors



3-year extended warranty available



Also available in RGB See page 257



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L70, B10

3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	SL220A F NW	>70Ra	310	103	705
	38°	SL020A BLK F NW	>70Ra	310	103	705
	18°	SL220A S NW	>70Ra	310	103	2823
	18°	SL020A BLK S NW	>70Ra	310	103	2823
3000K	38°	SL220A F WW	>80Ra	265	88	602
	38°	SL020A BLK F WW	>80Ra	265	88	602
	18°	SL220A S WW	>80Ra	265	88	2413
2700K <b>NEW</b>	18°	SL020A BLK S WW	>80Ra	265	88	2413
	38°	SL020A BLK F 27	>80Ra	261	87	593

GENERAL

Construction material Anodised aluminium

WIRING

Cable / flying lead 3m H05RN-F rubberised cable (outside diameter: 6mm)

Type of wiring required Series

LED DRIVERS

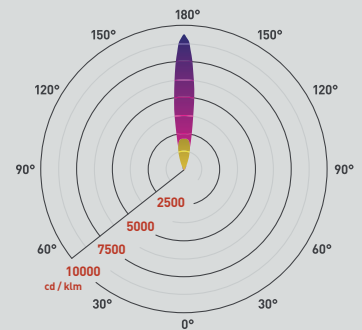
Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	1	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 264

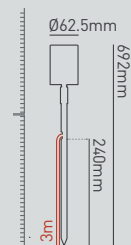
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	280-281
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	1-10V dimmer module	280



4000K 18° / 4000K 38°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red)

874/2012





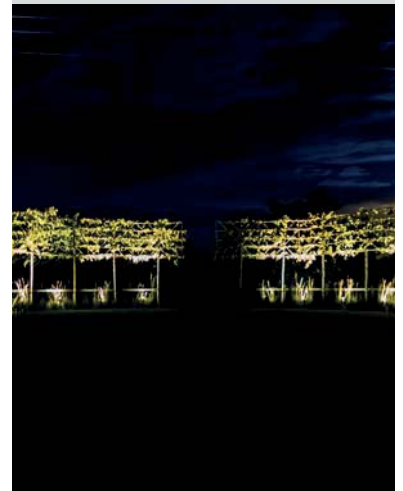


COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Equivalent to 20W halogen
- › Long spike included for extra stability
- › Robust cable for outdoor use
- › Copper body for antique effect



SL320A

3W copper LED spike light

Ideal for use outdoors  
 3-year extended warranty available

38°  
 3W  
 90°  
 40°C  
 35°C  
 1.7kg  
 ZONE 1  
 L70, B10  
 3SDCM

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C						
Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	38°	SL320A F NW	>70Ra	310	103	705
3000K	38°	SL320A F WW	>80Ra	265	88	602
2700K <b>NEW</b>	38°	SL320A F 27	>80Ra	261	87	593

GENERAL

Construction material	Copper
-----------------------	--------

WIRING

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

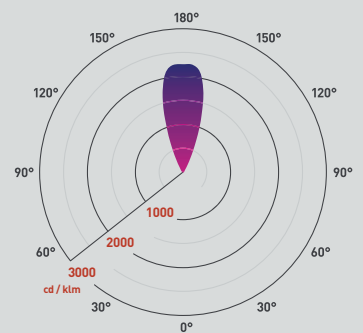
LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Bathroom zone applicable to fitting only	
					Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	1	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes [1-10V]	2	1	3

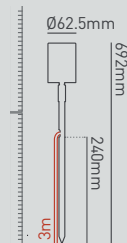
For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	280-281
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	1-10V dimmer module	280



4000K 38°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

874/2012



COLLINGWOOD  
LIGHTING

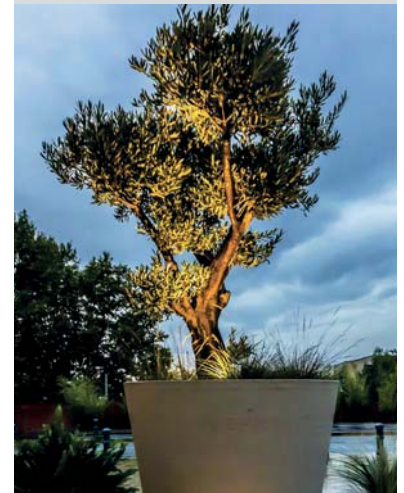


SL030

SL130

FEATURES & BENEFITS

- > Long spike included for extra stability
- > Robust cable for outdoor use
- > Small & discreet



SL030 | SL130

1W LED spike light



Ideal for use outdoors



7-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

SL030

SL130

ZONE

L70, B10

3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	26°	SL030 F NW	>70Ra	95	95	267
	26°	SL13040	>70Ra	95	95	267
3000K	26°	SL030 F WW	>80Ra	75	75	210
	26°	SL13030	>80Ra	75	75	210
2700K <b>NEW</b>	26°	SL030 F 27	>80Ra	70	70	196
<b>NEW</b>	26°	SL13027	>80Ra	70	70	196
Amber	26°	SL030 F AMBER	-	-	-	-
Blue	26°	SL030 F BLUE	-	-	-	-
Green	26°	SL030 F GREEN	-	-	-	-
Red	26°	SL030 F RED	-	-	-	-

GENERAL

Construction material SL030: Stainless steel (316) SL130: Anodised aluminium

WIRING

Cable / flying lead 3m H05RN-F rubberised cable (outside diameter: 6mm)

Type of wiring required Series

LED DRIVERS

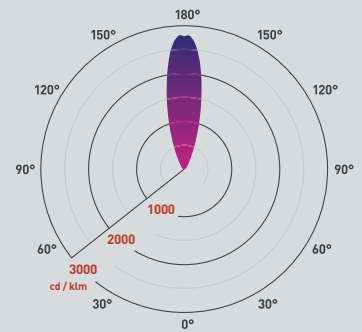
Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

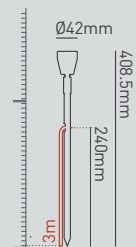
ACCESSORIES

Product code	Description	Price
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	280-281
WCR 275 BLACK	2-core rubber cable	281
PDC/GRID DIMMER	1-10V dimmer module	280



4000K 26°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++

874/2012







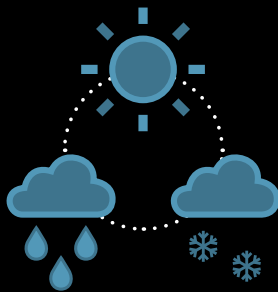
# BOLLARDS

To create beautifully lit driveways & pathways



## WEATHERING PRODUCTS

Made from hard-wearing Iroko wood, this classic range of bollards is available in a single or triple LED making them ideal for pathways, driveways and car parks. With an IP65 rating, our water protected bollards are ideal for outdoor use. The Iroko wood weathers well to a natural grey colour or can be treated to maintain its original colour.



Treat the Iroko wood with appropriate wood treatment to maintain a new, crisp and bright look.

If Iroko wood is left untreated it will turn a silvery grey colour over time, blending with natural surroundings.

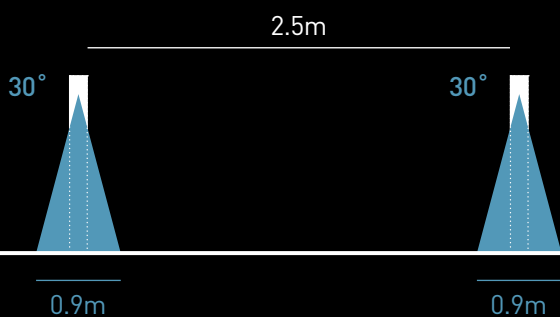
## SINGLE LED BOLLARD

Use the BOL LED 1 to add new lighting to existing pathways, gardens or car parks. The remote SELV power supply provides increased flexibility when fitting. Long distances of cable can be surface mounted within trunking.

Bollards can be positioned further apart to highlight points in a pathway or used to create focal points around the bollard marking a specific area of the space.



For a pathway with regular points highlighted...



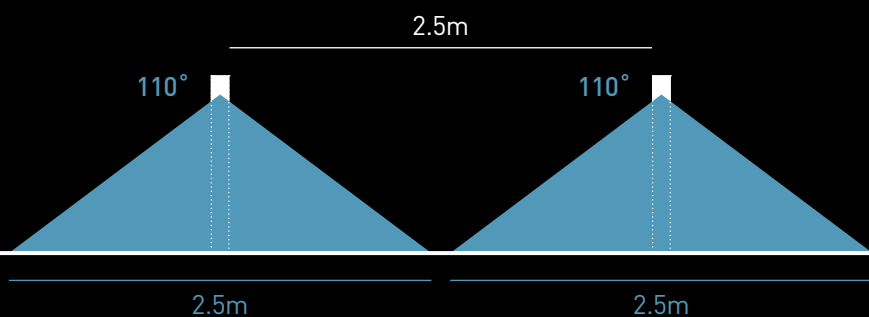
## TRIPLE LED BOLLARD

Using an integral power supply, this direct to mains bollard is ideal for replacing old and tired bollard lighting, using existing cables or as part of a new build, where cable can easily be installed with minimal impact.

Using 3 LEDs instead of 1 and a wider beam angle, allows for the bollards to be positioned further apart whilst still creating an even spread of light along the length of a pathway.



For a pathway consistently lit at 30 lux...







## MOUNTING BRACKETS

## WATERPROOF

### WOODEN BOLLARDS

A surface mount bracket is available for installation of Iroko wood bollards onto hard surfaces. Made from stainless steel ensuring the quality matches the bollard.



### BOL255 & BOL256

A marine grade stainless steel root mounting kit is available for installation of the anodised aluminium bollards into concrete or other building materials.



Collingwood bollards are waterproof to IP65 and are designed for permanent use outdoors. Collingwood bollards must be installed using waterproof connections to avoid moisture entering the cable through non-waterproof joints. To choose from our range of waterproof connectors see page **280-281**.



Check out our IP rated installation video on the Collingwood Lighting YouTube channel.



## 360° ILLUMINATION

Space bollards as you feel appropriate, the below diagram can be used as a guide

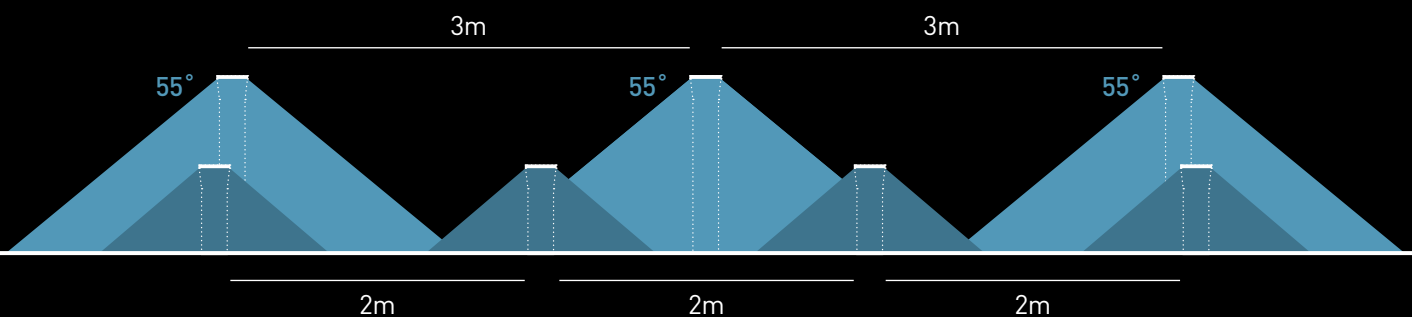
The anodised aluminium bollards offer 360° illumination, making them ideal for lighting footpaths in parks, car parks and driveways.

Available in two heights. The 585mm bollard will give a strong, more focussed light, whilst the 985mm bollard can be positioned further apart, whilst still providing an even spread of light. Concealed wiring and connections makes for a clean and professional finish to any installation.

Surface mount onto decking or use the root mounting kit for installation into gravel or concrete.

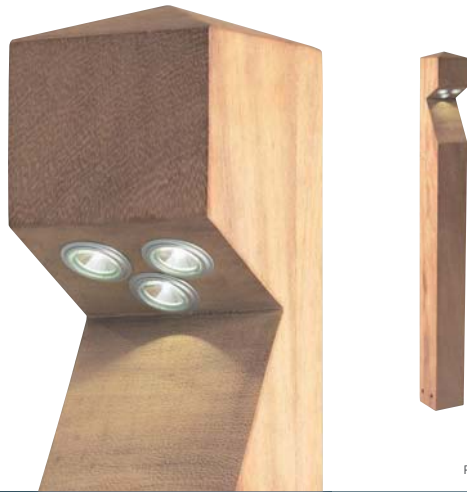


For a pathway consistently lit at 30 lux...





COLLINGWOOD  
LIGHTING



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

## FEATURES & BENEFITS

- › Use with chain / rope to edge path (not supplied)
- › Robust cable for outdoor use
- › Wood treatment is necessary to prevent weathering and/or cracking. Teak oil can be used to protect wood and preserve colour. Use a premium woodcare product to stain and protect. Always follow the manufacturer's instructions and reapply as directed.



## BOL LED MAINS

Straight to mains, wooden LED bollard



Ideal for use outdoors



7-year extended warranty available



\* Extended warranty available on LEDs and LED driver only

ZONE

L70, B10

35DCM

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
● 4000K	110°	BOL LED 030 MAINS NW	>70Ra	246	49	104
● 3000K	110°	BOL LED 030 MAINS WW	>80Ra	160	32	80

### GENERAL

Construction material	Iroko wood
Inrush current	9A 0.8ms

### WIRING

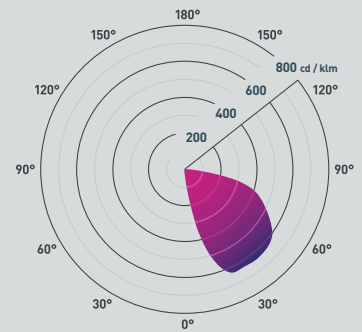
Cable / flying lead	1.8m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

### LED DRIVERS

Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (Integrated SELV driver)	-	No	2	-	-

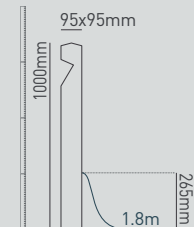
### ACCESSORIES

Product code	Description	
BOL LED BRACKET	Stainless steel bracket for BOL LED range	228
JB5	Gel filled junction box	281



4000K 110°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

A++

A+

A

B

C

D

E

F

LED

The lamps cannot be changed in the luminaire.

874/2012





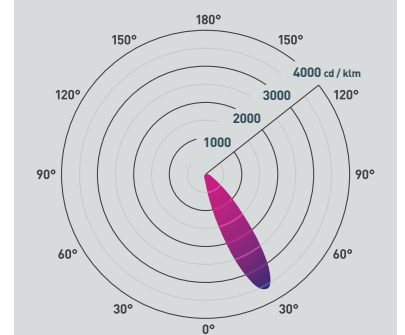
COLLINGWOOD  
LIGHTING



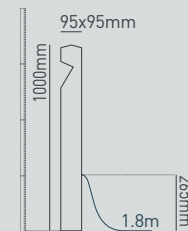
Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

### FEATURES & BENEFITS

- › Use with chain / rope to edge path (not supplied)
- › Robust cable for outdoor use
- › Wood treatment is necessary to prevent weathering and/or cracking. Teak oil can be used to protect wood and preserve colour. Use a premium woodcare product to stain and protect. Always follow the manufacturer's instructions and reapply as directed.



4000K 26°  
Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++

874/2012

## BOL LED 1

Wooden LED bollard

**IP65** Ideal for use outdoors

**7-year extended warranty** available

26° 1W <math>\pm 35^{\circ}\text{C}</math> 5.8kg 1 70,000h 35DCM

\* Extended warranty available on LEDs and LED driver only

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
4000K	26°	BOL LED 1 NW	>70Ra	95	95	267
3000K	26°	BOL LED 1 WW	>80Ra	75	75	210

### GENERAL

Construction material Iroko wood

### WIRING

Cable / flying lead 1.8m (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required Series

### LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED drivers see page 264

### ACCESSORIES

Product code	Description	
BOL LED BRACKET	Stainless steel bracket for BOL LED range	228
JB2 / JB4 / JB6	Gel filled waterproof connectors	280-281
WCR 275 BLACK	2-core rubber cable	281

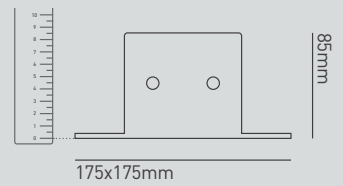


COLLINGWOOD  
LIGHTING



## FEATURES & BENEFITS

- › Supplied with stainless steel fixtures & fittings



## BOL LED BRACKET

Stainless steel bracket for BOL LED range

**1 yr** 1-year guarantee



### PRODUCT DATA

Product code BOL LED BRACKET

### GENERAL

Construction material Stainless steel (304)

### ACCESSORIES

Product code	Description	
BOL LED 1	Wooden LED bollard	227
BOL LED 030 MAINS	Straight to mains wooden LED bollard	226







COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Modular design for simple installation
- › Low glare
- › Root-mount or surface-mount
- › 360° illumination, ideal for pathways, boundary marking, or general illumination of public spaces
- › Surface-mount bracket and fixtures are included

**BOL255**

585mm straight to mains anodised aluminium LED bollard



Ideal for use outdoors



7-year extended warranty available



L70, B50



3SDCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
3000K	55°	BOL255WW	>85Ra	750	45	53

GENERAL

Building regulations	Part P (electrical safety)
Construction material	Anodised aluminium / polycarbonate
Inrush current	38.8A 0.002ms

WIRING

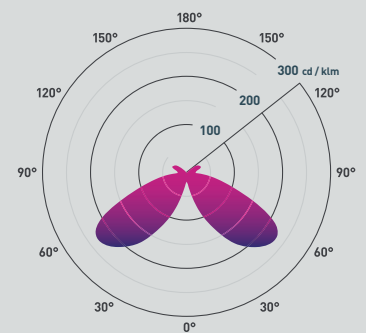
Cable / flying lead	1.5m H05RN-F 3G 0.75mm <sup>2</sup> 7mm outside
Type of wiring required	Parallel (mains) 220 - 240V AC 50/60Hz

LED DRIVERS

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

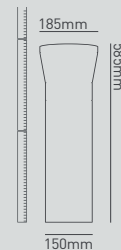
ACCESSORIES

Product code	Description	
BOL255RM	Root mounting kit	231
JB5	Gel filled junction box	281



3000K 55°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

**LED**

A+ A A C D E

874/2012



COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › Modular design for simple installation
- › Low glare
- › Root-mount or surface-mount
- › 360° illumination, ideal for pathways, boundary marking, or general illumination of public spaces
- › Surface-mount bracket and fixtures are included



**BOL256**

985mm straight to mains anodised aluminium LED bollard



Ideal for use outdoors



7-year extended warranty available



L70, B50



35DCM

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	CRI	lm	lm/W	lx at 1m
3000K	55°	BOL256WW	>85Ra	750	45	53

GENERAL

Building regulations	Part P [electrical safety]
Construction material	Anodised aluminium / polycarbonate
Inrush current	38.8A 0.002ms

WIRING

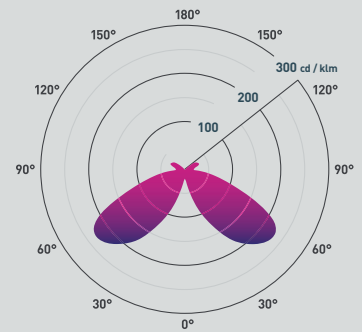
Cable / flying lead	1.5m H05RN-F 3G 0.75mm <sup>2</sup> 7mm outside
Type of wiring required	Parallel (mains) 220 - 240V AC 50/60Hz

LED DRIVERS

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

ACCESSORIES

Product code	Description	
BOL255RM	Root mounting kit	231
JB5	Gel filled junction box	281



3000K 55°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

874/2012



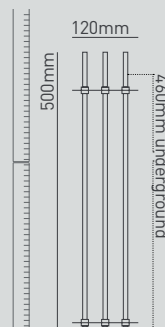


**COLLINGWOOD  
LIGHTING**



### FEATURES & BENEFITS

- › Marine grade stainless steel (316) construction
- › Can be used with concrete or other building materials
- › Supplied with expanding bolts for security



## BOL255RM

Stainless steel root mounting kit

**1 yr** 1-year guarantee



#### PRODUCT DATA

Product code BOL255RM

#### GENERAL

Construction material Stainless steel (316)

#### ACCESSORIES

Product code	Description	
BOL255	585mm, straight to mains, anodised aluminium LED bollard	229
BOL256	985mm, straight to mains, anodised aluminium LED bollard	230

# COLOUR CHANGE LIGHTS

To create exciting and diverse spaces



## EIGHT EASY STEPS TO UNDERSTANDING COLOUR CHANGE

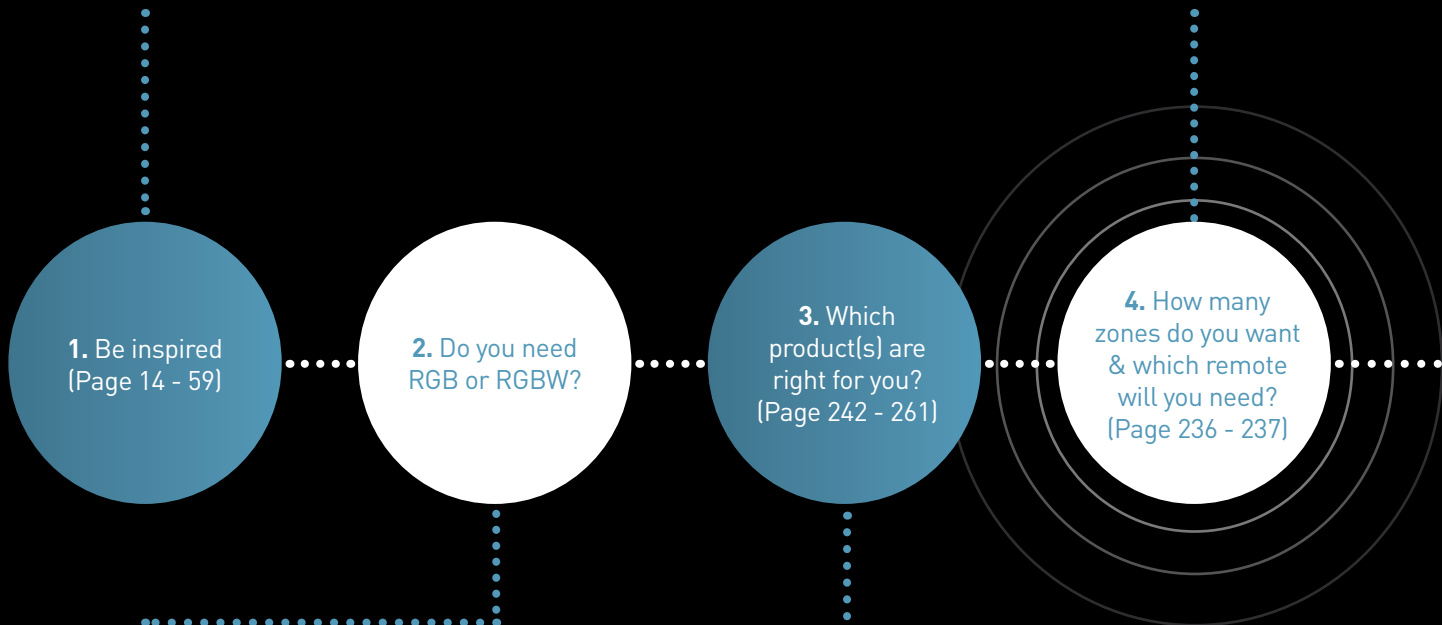
### Examples

See some great installations in our inspiration pages (page 14 - 59).

### Remotes

Wall Mounted Remote Control (1 - 4 zones)	Page 236
Hand Held Remote Control (1 - 6 zones)	Page 236
CollingwoodRGBW App (1 - 8 zones)	Page 237

For more than 8 zones a DMX system is required.



### 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.

### Products

Ground Lights	Page 242 - 247
Wall Lights	Page 248 - 250
Universal Lights	Page 251 - 255
Downlights	Page 256 - 258
Spike Lights	Page 259
Strip Lights	Page 260 - 261





## Power Repeaters

PR3011 Page 238

PR3002 Page 239

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 power repeater. 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 263).

You may also need extension cable (page 262).

5. Which power repeater do you need & how many of them? (Page 238 - 239)

6. Do you need a controller or a DMX decoder? (Page 240 - 241)

7. What cable will you need? (Page 262-263)

8. Place your order

## Controller / Decoder

C100924 (controller) Page 240

DMX2102 (decoder) Page 241

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?

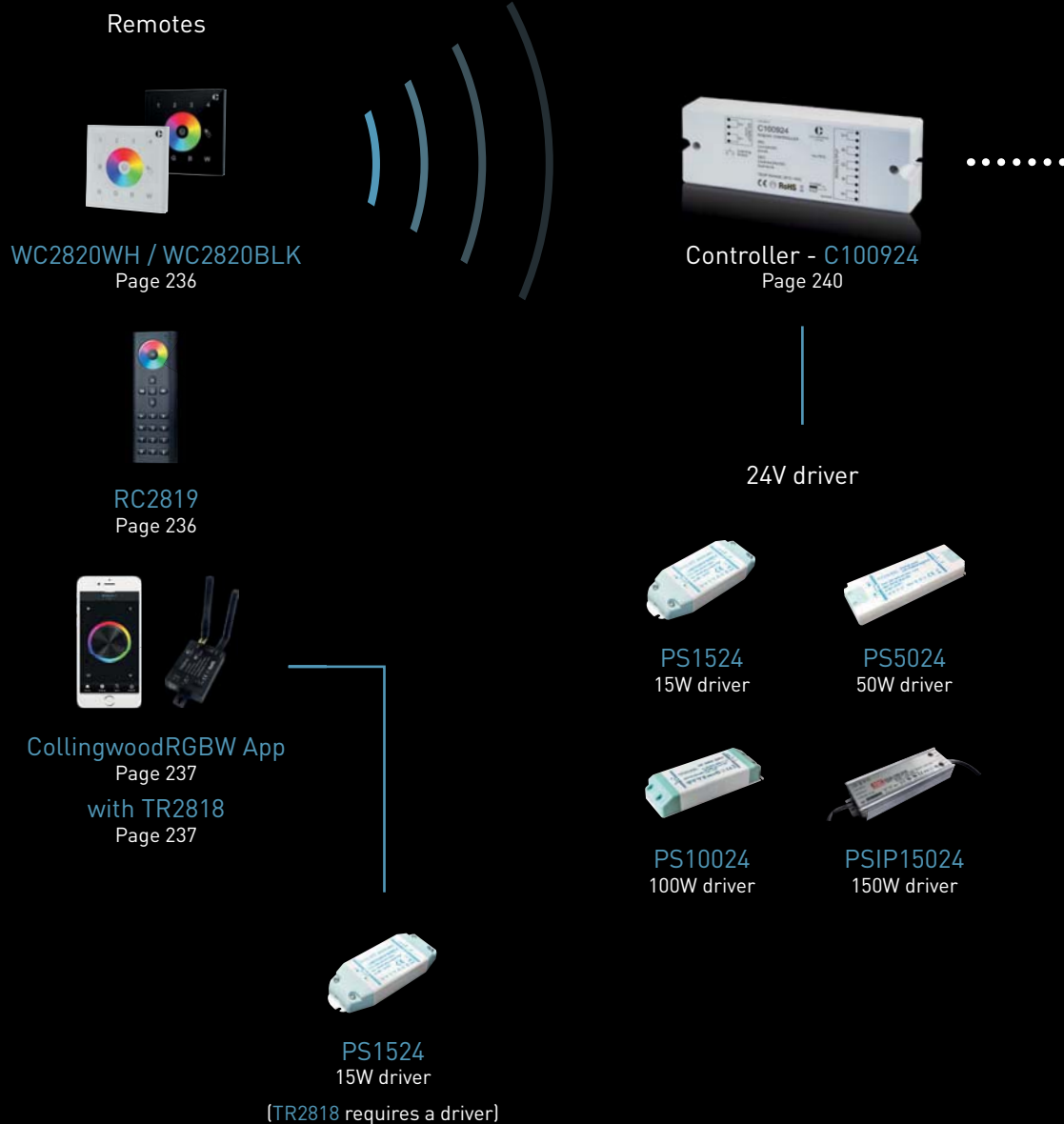
## Products

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.

## Per Zone





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.

### 24V driver



PS1524  
15W driver



PS5024  
50W driver



PS10024  
100W driver



PSIP15024  
150W driver

### Products Page 242 - 261



Power repeater - PR3011  
Page 238



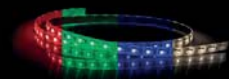
Power repeater - PR3011  
Page 238



Power repeater - PR3011  
Page 238



Power repeater - PR3002  
Page 239



# 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 2

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

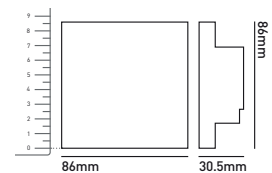
Zone 4 / 4 Rooms

## 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 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.

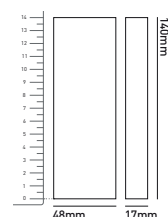
**Note:** The WC2820 requires 240V AC supply.



## RC2819 HANDHELD REMOTE CONTROL

Controlling RGB & RGBW lights on the move could not be easier with this remote control. Using radio frequency 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](#).

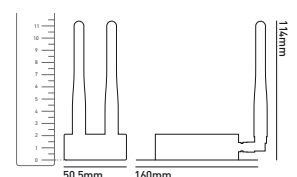


## TR2818

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](#).



# POWER REPEATERS WHICH ONE & HOW MANY?

Do this  
for each  
zone

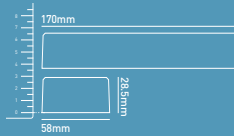
Now you know which products you are going to use and how many of them you will be using in each zone, you can establish which power repeaters you need and work out how many of them you will require.

## 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 PR3011s 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
SL220CARGB / SL021CARGB	Spike Light	6
UL010RGBW	Universal Light	6
UL030RGBW	Universal Light	2
UL345CARGB	Universal Light	1
UL346CARGB	Universal Light	1
UL347CARGB	Universal Light	1
WL070RGBW	Wall Light	1
WL075CARGB	Wall Light	2
WL220CARGB / WL021CARGB	Wall Light	6

### 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 you'll need 300mm of CF505RGBW cable for every power repeater you use.

## Don't forget your 24V driver to power your power repeater

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.

Number of Power Repeaters	Wattage Driver Needed	Product (Driver)
1	50W	PS5024
2 - 3	100W	PS10024
4 - 5	150W	PSIP15024

### If we were to continue the example...

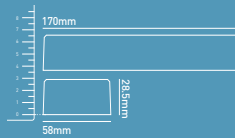
In the example we calculated that we need 3 x PR3011. Using the table to the left we can see that we need a 100W driver. This means that you will need to order the following...



# 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 PR3002s 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 

### LED5050RGB (RGB strip) - Bespoke lengths available

Length of Strip per Power Repeater	Wattage Driver Needed	Product (Driver)
up to 5m per PR3002	50W	PS5024 
up to 10m per PR3002	100W	PS10024 

### For example...

If you had selected these products for your zone.



12m

LED5050RGB

Using the table to the left we can see that 10m of LED5050RGB strip would fully load a PR3002 so the remaining 2m of strip would need another PR3002 (using just under 50% of it).

1st PR3002

2nd PR3002



10m LED5050RGB

2m LED5050RGB

This means you would need to order the following...



x2

PR3002

We are using 2 x PR3002. As you can see from the tables you will need a 100W driver for 10m of LED5050RGB. The remaining 2m will need a 50W driver. This means you will need the following...



x2

PR3002



x1

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.

# CONTROLLERS WHICH ONE & WHAT POWER SUPPLY?

Do this  
for each  
zone

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 8 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



PS1524  
15W driver



PS5024  
50W driver



PS10024  
100W driver



PSIP15024  
150W driver





Got a query? Contact our team on  
+44 (0) 1604 495 151

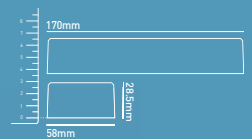
When using a DMX control system only

## For 9+ zones use the 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



PS1524  
15W driver



PS5024  
50W driver



PS10024  
100W driver



PSIP15024  
150W driver



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## 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



## GL007RGBW

Drive over, colour change LED ground light with white LED (12W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

### PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	36°	GL007RGBW	3.3	>80Ra	180	55	782
Red	36°		2.4	-	131	55	539
Green	36°		3.3	-	208	63	944
Blue	36°		3.3	-	34	10	15

### GENERAL

Construction material	Stainless steel 304 (cover ring only) / aluminium (body)
Drive over / walk over	Drive over, 10mm tempered glass (15mph max), static load 2000kg / 20KN

### WIRING

Cable / flying lead	2x 3m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

### LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

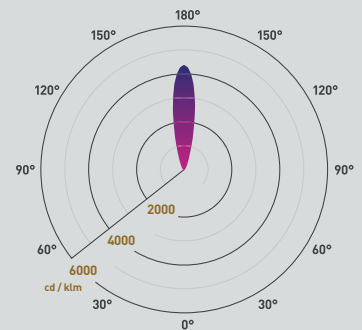
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	2

For LED driver bathroom zone & additional LED drivers see page 264

### ACCESSORIES

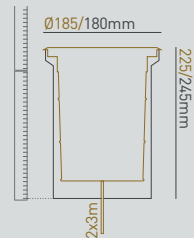
For complete range of colour change controllers see page 236-241

Product code	Description	
Installation tube included		
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263



### 4000K 36°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

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LIGHTING



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

GL008RGBW

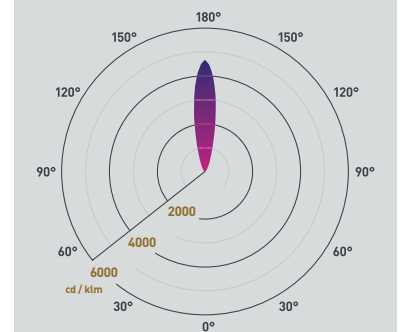
Twin drive over, colour change LED ground light with white LED (25W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

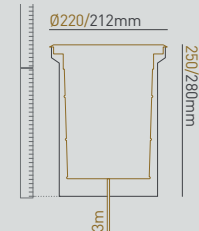
ZONE

L50, B50



4000K 25°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

LED

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PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	25°	GL008RGBW	6.6	>80Ra	360	55	1701
Red	25°		4.8	-	261	54	1069
Green	25°		6.6	-	416	63	1881
Blue	25°		6.6	-	68	10	33

GENERAL

Construction material: Stainless steel 304 (cover ring only) / aluminium (body)

Drive over / walk over: Drive over, 10mm tempered glass (15mph max), static load 2000kg / 20KN

WIRING

Cable / flying lead: 3m CR575RGBW (outside diameter: 7.4mm)

Type of wiring required: N/A (1 per power repeater)

LED DRIVERS (power repeaters) Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES For complete range of colour change controllers see page 236-241

Product code	Description	
Installation tube included		
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263

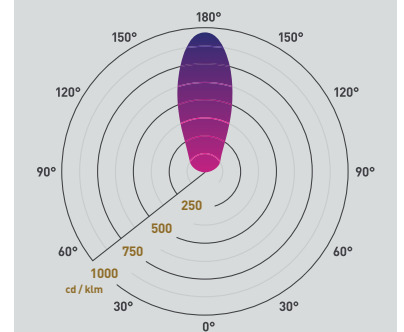


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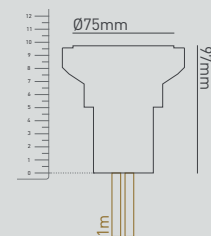
FEATURES & BENEFITS

- › 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



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

874/2012

GL090RGBW

High output LED colour change ground light with white LED (12W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	GL090RGBW	3	>80Ra	177	59	173
Red	45°		2	-	106	53	60
Green	45°		3	-	185	62	168
Blue	45°		3	-	43	14	1

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	2

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
TUBE/68	Installation tube	124
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263





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FEATURES & BENEFITS

- › Low profile for easy installation
- › Installation tube available
- › Full RGB 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.)

RGB IP67 Protected against temporary immersion 5-year extended warranty available

18° 065 40°C 35°C 800g 1 ZONE L50, B50

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	18°	GL040CARGB	1	-	34	34	287
Green	18°		1.2	-	68	56	697
Blue	18°		1.2	-	8	7	8

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	2x 1m LED RGB 0.75mm <sup>2</sup> cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

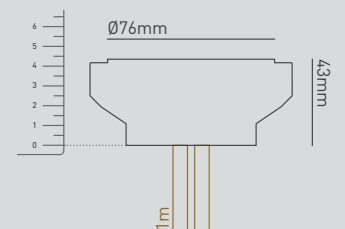
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	Price
TUBE/68	Installation tube	124
JB7	5-pole IP68 inline connector	283
LED RGB 0.75 CABLE	4-core PVC cable	265



This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

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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



Photo Credit: Lumiere

GL050RGBW

Colour change LED ground / marker light with white LED (5W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	100°	GL050RGBW	1.2	>85Ra	11	9	2
Red	100°		1	-	9	9	2
Green	100°		1.2	-	13	11	3
Blue	100°		1.2	-	2	2	1

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

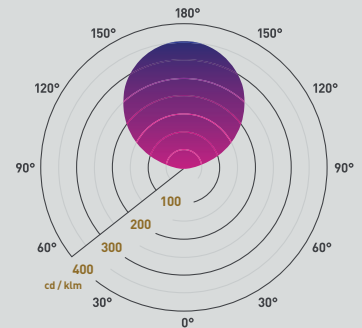
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

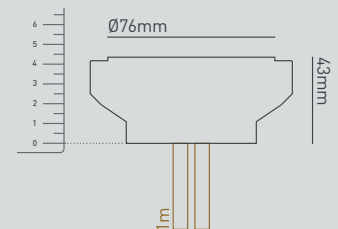
For complete range of colour change controllers see page 236-241

Product code	Description	
TUBE/68	Installation tube	124
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263



4000K 100°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A++ (Green), A+ (Light Green), A (Yellow-Green), C (Yellow), D (Orange), E (Red).

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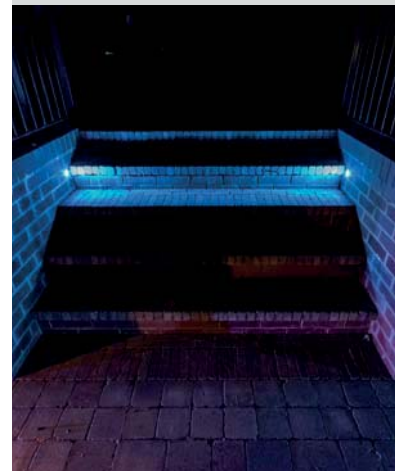


COLLINGWOOD  
LIGHTING



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



GL016RGBW

LED colour change ground light with white LED (5W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	40°	GL016RGBW	1.2	>85Ra	50	42	74
Red	40°		1	-	38	38	75
Green	40°		1.2	-	63	53	124
Blue	40°		1.2	-	11	9	17

GENERAL

Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

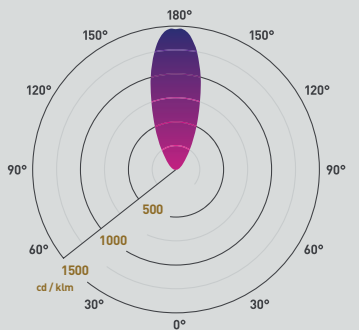
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

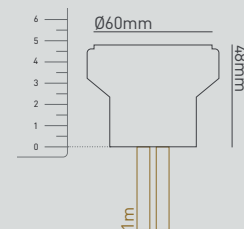
For complete range of colour change controllers see page 236-241

Product code	Description	
TUBE/50	Installation tube	124
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263



4000K 40°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps. **A++ A+ A A- C D E** LED

The lamps cannot be changed in the luminaire.

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COLLINGWOOD  
LIGHTING



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



WL070RGBW

Up / down LED colour change wall light with white LED (24W max.)

RGBW    
 IP65 Ideal for use outdoors    
 5-year extended warranty available

45°    
 46°C    
 35%    
 900g    
 1 ZONE    
 L50, B50

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	WL070RGBW	6	>80Ra	200*	67	154
Red	45°		4	-	145*	73	60
Green	45°		6	-	230*	77	168
Blue	45°		6	-	38*	13	1

\* Per module

GENERAL

Construction material: Anodised aluminium

WIRING

Cable / flying lead: 1x 5-core ribbon cable

Type of wiring required: N/A (1 per power repeater)

NB: Removal of plugs will render this product non-returnable

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

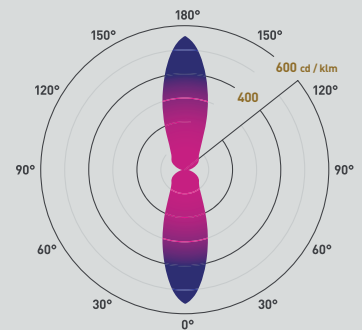
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

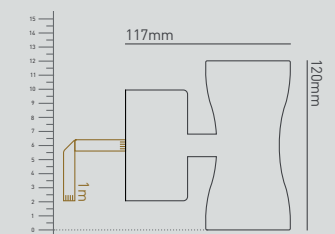
For complete range of colour change controllers see page 236-241

Product code	Description	262
LEDRGBWEXT	Colour change Plug & Play 1m extension lead	



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

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LIGHTING



FEATURES & BENEFITS

- › Complete with wall fixings for easy installation
- › Full RGB colour range
- › Anodised aluminium for use in outdoor and indoor environments

**WL075CARGB**

High output LED colour change wall light (12W max.)



Ideal for use outdoors



5-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C

LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	45°	WL075CARGB	2.4	-	65	27	41
Green	45°		3.7	-	99	27	137
Blue	45°		3.7	-	31	8	14

GENERAL

Construction material: Anodised aluminium

WIRING

Cable / flying lead: 2x 1m 4-core ribbon cable

Type of wiring required: Series (Plug & Play)

NB: Removal of plugs will render this product non-returnable

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

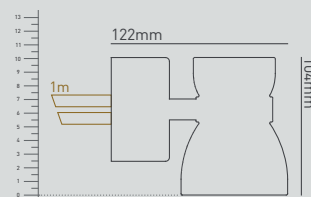
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	2

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
LED 3 RGB EXT	Colour change extension lead for RGB products	262



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A+, A, A, C, D, E

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LIGHTING



WL220CARGB

WL021CARGB

FEATURES & BENEFITS

- › Complete with wall fixings for easy installation
- › Adjustable angle to direct light
- › Full RGB colour range
- › Compatible with a large range of controllers
- › Anodised aluminium for use in outdoor and indoor environments

WL220CARGB | WL021CARGB

Colour change LED wall light (4W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	18°	WL220CARGB	1	-	34	34	287
Green	18°		1.2	-	68	57	697
Blue	18°		1.2	-	8	7	8
Red	18°	WL021CARGB	1	-	34	34	287
Green	18°		1.2	-	68	57	697
Blue	18°		1.2	-	8	7	8

GENERAL

Construction material: Anodised aluminium

WIRING

Cable / flying lead: 2x 3m LED RGB 0.75mm<sup>2</sup> cable (outside diameter: 6mm)  
 Type of wiring required: Series

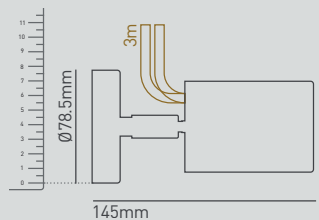
LED DRIVERS (power repeaters) Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES For complete range of colour change controllers see page 236-241

Product code	Description	
JB3	Waterproof junction box	280
LED RGB 0.75 CABLE	4-core PVC cable	263



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

874/2012



COLLINGWOOD  
LIGHTING



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 LED wall washing light bar (12W max.)



Ideal for use outdoors



5-year extended warranty available



ZONE

L50, B50

PHOTOMETRICS @ 25°C

LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	110°	UL345CARGB	4	-	96	24	20
Green	110°		4.1	-	161	39	58
Blue	110°		4.3	-	51	12	0

GENERAL

Construction material Anodised aluminium

WIRING

Cable / flying lead 1x 3m LED RGB 0.75mm<sup>2</sup> cable (outside diameter: 6mm)

Type of wiring required N/A (1 per power repeater)

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

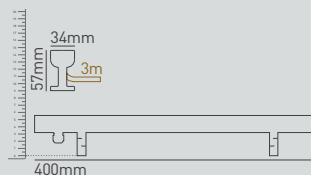
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
JB3	Colour change extension lead for RGB products	280
LED RGB 0.75 CABLE	4-core PVC cable	263
ULBRACKET	2 piece black anodised aluminium bracket	215



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A+ A A C D E

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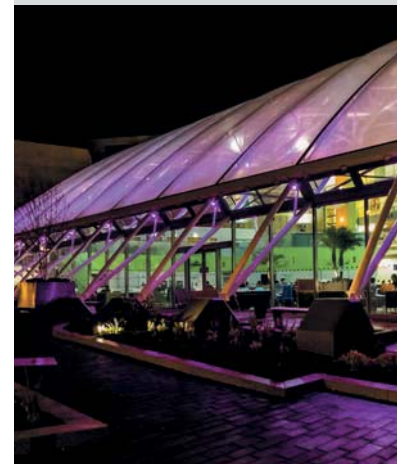


COLLINGWOOD  
LIGHTING



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 LED wall washing light bar (12W max.)



Ideal for use outdoors



5-year extended warranty available



ZONE

L50, B50

PHOTOMETRICS @ 25°C

LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	25x6°	UL346CARGB	4	-	70	18	154
Green	25x6°		4.1	-	136	33	442
Blue	25x6°		4.3	-	23	5	10

GENERAL

Construction material Anodised aluminium

WIRING

Cable / flying lead 1x 3m LED RGB 0.75mm<sup>2</sup> cable (outside diameter: 6mm)

Type of wiring required N/A (1 per power repeater)

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

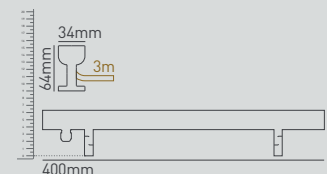
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
JB3	Waterproof junction box	280
LED RGB 0.75 CABLE	4-core PVC cable	263
ULBRACKET	2 piece black anodised aluminium bracket	215



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED A++ A+ A C D

874/2012





## 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 LED wall washing light bar (12W max.)



Ideal for use outdoors



5-year extended warranty available



ZONE

L50, B50



### PHOTOMETRICS @ 25°C

LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	45°	UL347CARGB	4	-	77	19	102
Green	45°		4.1	-	285	70	329
Blue	45°		4.3	-	51	12	5

### GENERAL

Construction material Anodised aluminium

### WIRING

Cable / flying lead 1x 3m LED RGB 0.75mm<sup>2</sup> cable (outside diameter: 6mm)

Type of wiring required N/A (1 per power repeater)

### LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

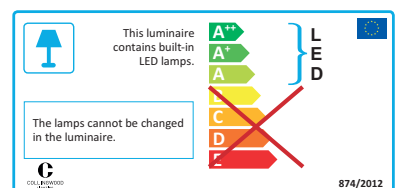
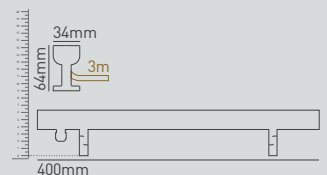
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1

For LED driver bathroom zone & additional LED drivers see page 264

### ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
JB3	Colour change extension lead for RGB products	280
LED RGB 0.75 CABLE	4-core PVC cable	263
ULBRACKET	2 piece black anodised aluminium bracket	215



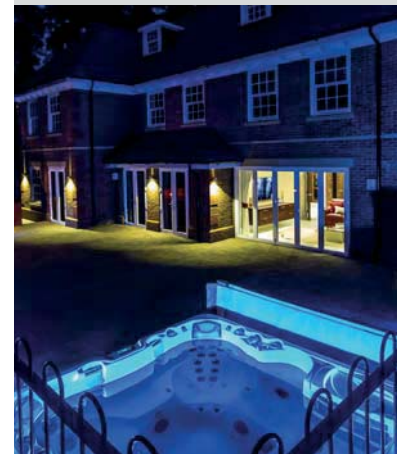


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LIGHTING



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



UL030RGBW

Colour change LED light with white LED (12W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	UL030RGBW	3	>80Ra	177	59	154
Red	45°		2	-	106	53	60
Green	45°		3	-	185	62	168
Blue	45°		3	-	43	14	1

GENERAL

Construction material: Stainless steel (316)

WIRING

Cable / flying lead: 2x 1m CR575RGBW (outside diameter: 7.4mm)

Type of wiring required: Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

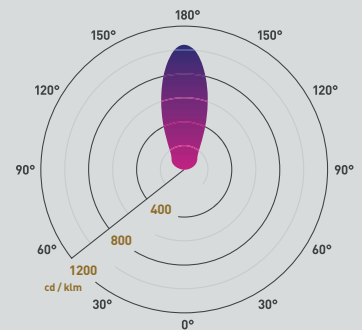
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	2

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

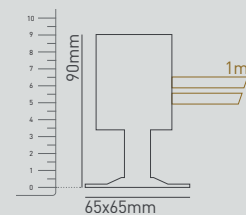
For complete range of colour change controllers see page 236-241

Product code	Description	
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263



4000K 45°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED A++ A+ A C D E

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LIGHTING



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



UL010RGBW

Colour change LED light with white LED (5W max.)



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

ZONE

L50, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	40°	UL010RGBW	1.1	>80Ra	50	45	101
Red	40°		1	-	38	38	75
Green	40°		1.1	-	63	57	124
Blue	40°		1.1	-	11	8	17

GENERAL

Construction material: Stainless steel (316)

WIRING

Cable / flying lead: 2x 1m CR575RGBW (outside diameter: 7.4mm)

Type of wiring required: Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

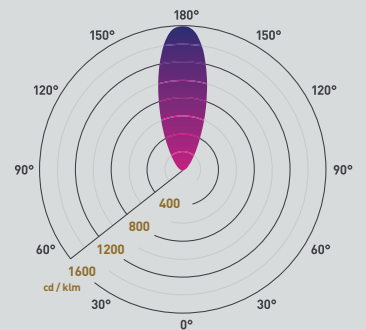
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

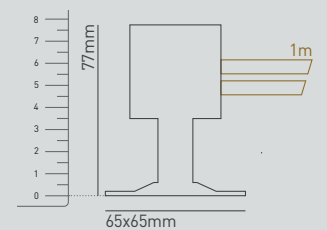
For complete range of colour change controllers see page 236-241

Product code	Description	
JB7	5-pole IP68 inline connector	281
CR575RGBW	5-core PVC cable	263



4000K 40°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED Energy Efficiency Class: A+, A, A, C, D, E

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LIGHTING



## 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 with white LED (5W max.)



5-year extended warranty available



L50, B50

### PHOTOMETRICS @ 25°C

Colour		Product code	W	CRI	lm	lm/W	lx at 1m
4000K	-	DL329RGBW	1.1	>80Ra	14	13	-
Red	-		1	-	-	-	-
Green	-		1.1	-	-	-	-
Blue	-		1.1	-	-	-	-

### GENERAL

Construction material Aluminium

### WIRING

Cable / flying lead 2x 1m Plug & Play 5-core ribbon cable

Type of wiring required Series (Plug & Play)

NB: Removal of plugs will render this product non-returnable

### LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

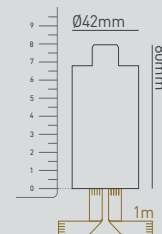
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	6

For LED driver bathroom zone & additional LED drivers see page 264

### ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
LEDRGBWEXT	Colour change Plug & Play 1m extension lead	262
FIBRE LED 1/30	Fibre optics 1m	93
FIBRE LED 2/30	Fibre optics 2m	93



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

LED

A++  
A+  
A  
C  
D

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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



LL090RGBW

Colour change LED unit with white LED (13W max.)



RGBW



IP40 Housing dependant



5-year extended warranty available



Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

HOUSING DEPENDANT

L50, B50

PHOTOMETRICS @ 25°C

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	25°	LL090RGBW	3.3	>80Ra	253	77	1099
Red	25°		2.4	-	140	58	292
Green	25°		3.3	-	275	83	831
Blue	25°		3.3	-	46	14	15

GENERAL

Construction material Aluminium

WIRING

Cable / flying lead 2x 1m Plug & Play 5-core ribbon cable

Type of wiring required Series (Plug & Play)

NB: Removal of plugs will render this product non-returnable

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

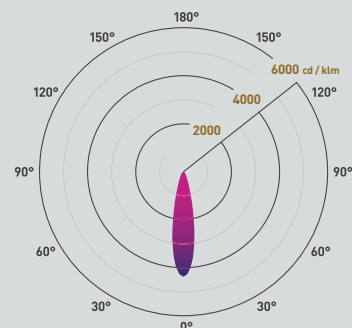
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	2

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

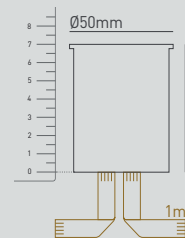
For complete range of colour change controllers see page 236-241

Product code	Description	
LEDRGBWEXT	Colour change Plug & Play 1m extension lead	262



4000K 25°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

Energy efficiency class: A++ (LED)

Collingwood Lighting logo and EU CE mark.

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COLLINGWOOD  
LIGHTING



FEATURES & BENEFITS

- › MR16 for retrofit into existing housings
- › Plug & Play connectors for quick installation
- › Short heatsink for shallow housings
- › Full RGB colour range
- › Compatible with a large range of controllers



LLO30CARGB

Colour change LED unit (4W max.)

RGB    
 IP40 Housing dependant    
 5-year extended warranty available

18°    
 58°C    
 35%    
 50g    
 878-83    
 20°    
 1    
 L50, B50

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)     HOUSING DEPENDANT

PHOTOMETRICS @ 25°C LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	18°	LLO30CARGB	1	-	38	38	319
Green	18°		1.2	-	75	63	774
Blue	18°		1.2	-	11	9	9

GENERAL

Construction material: Aluminium

WIRING

Cable / flying lead: 2x 1m Plug & Play 4-core ribbon cable  
 Type of wiring required: Series (Plug & Play)  
 NB: Removal of plugs will render this product non-returnable

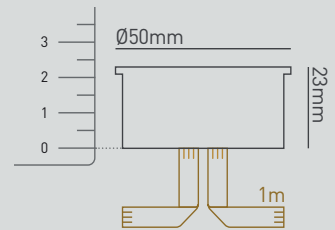
LED DRIVERS (power repeaters) Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES For complete range of colour change controllers see page 236-241

Product code	Description	
LED 3 RGB EXT	Colour change Plug & Play 1m extension lead	262



This luminaire contains built-in LED lamps.
 

A++
A+
A
C
D
E

 LED

The lamps cannot be changed in the luminaire.

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LIGHTING



FEATURES & BENEFITS

- Adjustable angle to direct light
- Full RGB colour range
- Compatible with a large range of controllers
- Anodised aluminium for use in outdoor and indoor environments



Photo Credit: © Janine Pattison Studios

SL220CARGB | SL021CARGB

Colour change LED spike light (4W max.)

RGB    
 IP65 Ideal for use outdoors    
 3-year extended warranty available

18°    
 90°    
 28°C    
 35°C    
 700g    
 1 ZONE    
 50,000h L50, B50

Patent information: [collingwoodlighting.com/patent](http://collingwoodlighting.com/patent)

PHOTOMETRICS @ 25°C LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Angle	Product code	W	CRI	lm	lm/W	lx at 1m
Red	18°	SL220CARGB	1	-	34	34	287
Green	18°		1.2	-	68	57	697
Blue	18°		1.2	-	8	7	8
Red	18°	SL021CARGB	1	-	34	34	287
Green	18°		1.2	-	68	57	697
Blue	18°		1.2	-	8	7	8

GENERAL

Construction material: Anodised aluminium

WIRING

Cable / flying lead: 2x 3m LED RGB 0.75mm<sup>2</sup> cable (outside diameter: 6mm)  
 Type of wiring required: Series

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

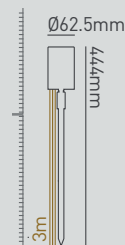
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	6

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
JB3	Waterproof junction box	280
LED RGB 0.75 CABLE	4-core PVC cable	263



This luminaire contains built-in LED lamps.

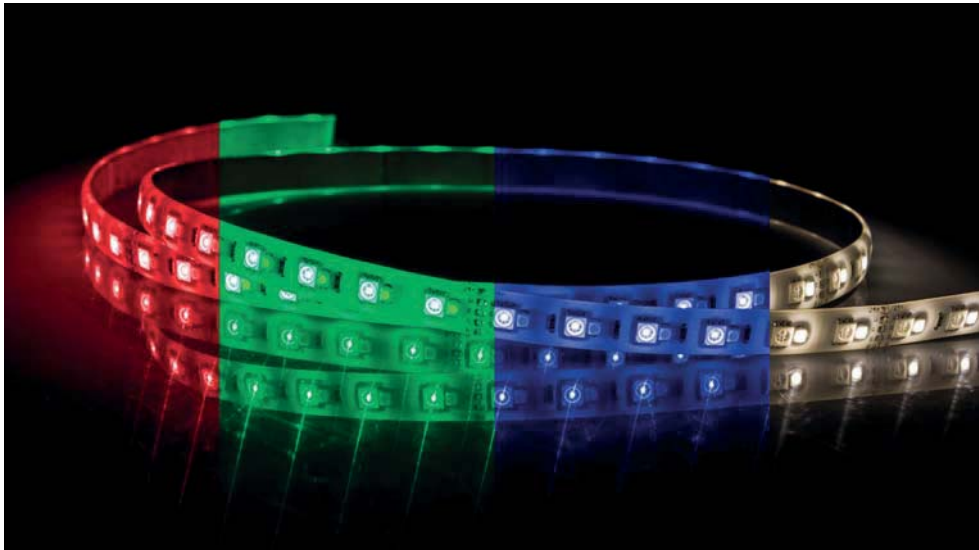
The lamps cannot be changed in the luminaire.

LED

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COLLINGWOOD  
LIGHTING



# LSR05

Colour change, self-adhesive flexible strip with white LED (15W max.)



PHOTOMETRICS @ 25°C

Colour	Beam angle	W/m	CRI	lm	lm/W	lx @ 1m
4000K	120°	5	>85Ra	350	70	80
3000K	120°	5	>85Ra	350	70	80
2700K	120°	5	>85Ra	350	70	80
Red	120°	4	-	130	33	20
Green	120°	3	-	270	90	70
Blue	120°	3	-	65	22	5

REEL ORDER CODES

LSR0540050	5m reel of 4000K LSR05 strip
LSR0530050	5m reel of 3000K LSR05 strip
LSR0527050	5m reel of 2700K LSR05 strip

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

GENERAL

Construction material	Flexible tape
-----------------------	---------------

WIRING

Cable / flying lead	0.2m 5-core ribbon cable
Type of wiring required	Parallel

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

Product code	V	SELV	Dimming	Bathroom zone	Min	Max
PR3002	24V	-	Yes	-	0.1m	2x 5m

For LED driver bathroom zone & additional LED drivers see page 264

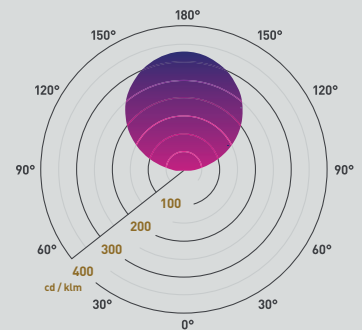
ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
CF505RGBW	5-core RGBW ribbon cable	263

## 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



4000K 150°

Additional diagrams available at [collingwoodlighting.com](http://collingwoodlighting.com)

5m/100mm cut point



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

A++

A+

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LED

874/2012







COLLINGWOOD  
LIGHTING

FEATURES & BENEFITS

- > Cut point every 125mm
- > Hard-wearing clear covering
- > 200mm ribbon cable attached
- > Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- > 3M self-adhesive backing
- > Supplied in customised lengths (0.125m up to 4.875m in 125mm increments) 5m reel also available
- > NB: Cutting to required length will render this product non-returnable



LED5050RGB

Colour change, self adhesive flexible strip (10W max.)



PHOTOMETRICS @ 25°C

LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time

Colour	Beam angle	W/m	CRI	lm	lm/W	Lx @ 1m
Red	120°	4	-	98	25	19
Green	120°	3.4	-	149	44	53
Blue	120°	2.6	-	39	15	5

REEL ORDER CODES

LS5RGB050\* 5m reel of LED5050RGB strip

For bespoke length, 050 to be replaced by required length. eg. 010 = 1m, 021 = 2.1m, etc  
Part code calculator available at [collingwoodlighting.com](http://collingwoodlighting.com)

\* While stocks last

GENERAL

Construction material Flexible tape

WIRING

Cable / flying lead 0.2m ribbon cable

Type of wiring required Parallel

LED DRIVERS (power repeaters)

Bathroom zone applicable to fitting only

Product code	V	SELV	Dimming	Bathroom zone	Min	Max
PR3002	24V	-	Yes	-	0.125m	2x 5m

For LED driver bathroom zone & additional LED drivers see page 264

ACCESSORIES

For complete range of colour change controllers see page 236-241

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	162-164
LED RGB 0.75 CABLE	4-core PVC cable	263

5m/125mm cut point



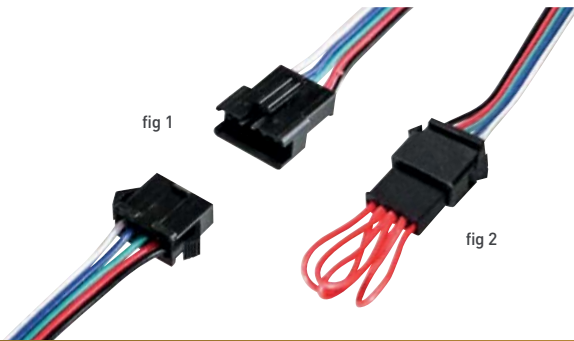
This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

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COLLINGWOOD  
LIGHTING



### LEDRGBWEXT

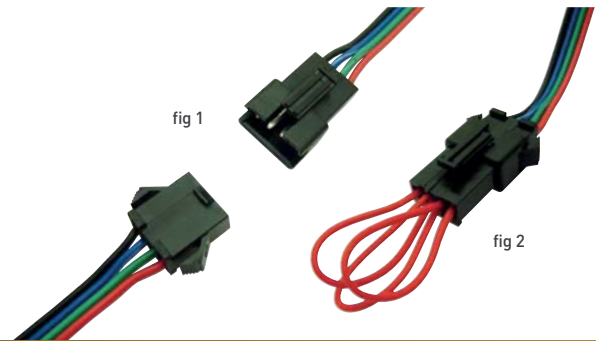
Colour change extension lead for RGBW products

Product Code	LEDRGBWEXT
Construction material	Copper cable (PVC)
Rated max voltage	300V
Rated temperature	80°C
Series / parallel	Series (Plug & Play)
Cable	1m (AWG 24) (0.205mm <sup>2</sup> )
Guarantee	1-year

NB: Removal of plugs will render this product non-returnable

USE IN CONJUNCTION WITH	
DL329RGBW	256
LL090RGBW	257
WL070RGBW	248

- > Use multiple extensions for longer lead requirements (fig. 1)
- > Complete circuit with blanking plug (fig. 2)
- > Simple extension for series circuit
- > 5-core. RGBW and return



### LED 3 RGB EXT

Colour change extension lead for RGB products

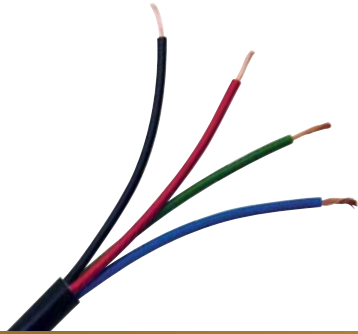
Product Code	LED 3 RGB EXT
Construction material	Copper cable (PVC)
Rated max voltage	300V
Rated temperature	80°C
Series / parallel	Series (Plug & Play)
Cable	1m (AWG 24) (0.205mm <sup>2</sup> )
Guarantee	1-year

NB: Removal of plugs will render this product non-returnable

USE IN CONJUNCTION WITH	
LL030CARGB	258
WL075CARGB	249

- > Use multiple extensions for longer lead requirements (fig. 1)
- > Complete circuit with blanking plug (fig. 2)
- > Simple extension for series circuit
- > 4-core. RGB and return





### LED RGB 0.75 CABLE

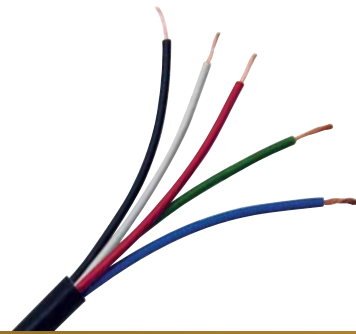
4-core PVC cable

Product Code	LED RGB 0.75 CABLE
Construction material	Copper cable
Cable	PVC 4 x 0.75mm <sup>2</sup>
Guarantee	1-year

#### USE IN CONJUNCTION WITH

All RGB products	245-261
JB3	280

- > Suitable for RGB wiring
- > Can be wired to additional JB3 for multiple fittings
- > Ideal for RGB applications



### CR575RGBW

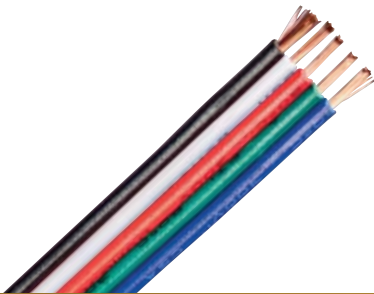
5-core PVC cable

Product Code	CR575RGBW
Construction material	Copper cable
Cable	PVC 5 x 0.75mm <sup>2</sup>
Guarantee	1-year

#### USE IN CONJUNCTION WITH

All RGBW products	242-260
JB7	281

- > Suitable for extending cable on RGBW products



### CF505RGBW

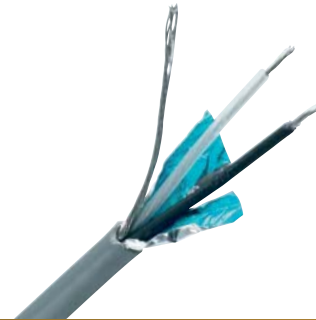
5-core RGBW ribbon cable

Product Code	CF505RGBW
Construction material	Copper cable
Cable	4x 0.3mm <sup>2</sup> , 1x 0.5mm <sup>2</sup> [black] ribbon cable
Guarantee	1-year

#### USE IN CONJUNCTION WITH

C100924	240
PR3011	238
PR3002	239

- > Suitable for connecting C100924 to multiple PR3002 & PR3011



### DMX RS 485 CABLE

3-core shielded cable

Product Code	DMX RS 485 CABLE
Construction material	Copper cable
Cable	0.15mm <sup>2</sup>
Guarantee	1-year

#### USE IN CONJUNCTION WITH

DMX2102	241
---------	-----

- > Shielded cable
- > Interference-free DMX signals (suitable for DMX2102)
- > Supplied on 100m reels (also available by the metre)

# WIRING & DRIVERS



## COMPLEMENTING PRODUCTS

We offer wiring and drivers suitable for all Collingwood Lighting products so you can expect the same high quality and durability throughout your install.



## IP RATED CONNECTORS

Our range of IP rated connectors allow your IP rated products 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 from 1.3m to 2m. Gel filled options can be opened and closed, allowing for repeat use. Available for series, parallel, RGBW and straight to mains wiring, and suitable for 2, 3 or 5-core cable, our IP rated connectors ensure that all of our IP rated LED lights can be wired to the same high standard.



## PROFESSIONAL FINISH

More and more electrical contractors are using din rail enclosures for a neat professional finish to a lighting installation. Choose from a range of din rail mountable power supplies in 350mA, 700mA and 24V.



**PSDIN350M**  
350mA  
Din rail mountable driver



**PSDIN700M**  
700mA  
Din rail mountable driver



**PSDIN10024**  
24V  
Din rail mountable driver





## COLOUR CHANGE REMOTES

To complement our RGB & RGBW products we offer a range of control systems. Use them to create different lighting zones to control separate areas with a single handheld control, wall mounted control or a smart device app for Android and IOS. If you wish to use your own control system you can use a DMX512 controller.



**WC2820WH / WC2820BLK**

1 - 4 zones  
Wall mounted control



**RC2819**

1 - 6 zones  
Handheld control



**CollingwoodRGBW App**

1 - 8 zones  
Smart device app for Android and IOS

For a more detailed look at the remotes, wiring and power repeaters for our colour change products, go to the colour change section (Pages 232 - 263)

## DIMMABLE OPTIONS

Each installation is unique, with its own individual requirements. Collingwood Lighting's range of dimmable power supplies provides the ability to easily control the ambience of individual zones. Choose from a range of 1-10V, DALI or mains dimming across 350mA, 700mA and 24V. Install Collingwood Lighting products as part of a home automation system or simply use existing cable for a smooth change over to LED from pre-existing lighting.



With a DALI system you can set the LEDs to respond to certain zones / rooms. It will dim all of the LEDs on each zone the same amount.

**DALI dimming**



If your product has an integrated mains dimmable driver, no separate driver is required. It is classed as a straight to mains product for easy installation where existing mains cable has been used.

**Mains dimming**



With a 1-10V system all the LEDs connected to the 1-10V dimmer will dim an equal amount. You can link up to 10 power supplies to one dimmer for dimming multiple fittings.

**1-10V dimming**

# PRODUCTS PER DRIVER MATRIX 1/4

The table below shows the minimum and maximum of each product that fits onto each driver

	PLDM35020	PSDAL350M	PSDIM350	PLD UNI-DRIVE 350MA	PSDIM350M	PLDCC/350/10-28 <small>*Numbers are for 24V input, halve the maximum for 12V input</small>	PLDM/700 3	PLDM70011	PSDAL700M	PSDIM700	PLD UNI-DRIVE 700MA	PSDIM700M	PLDCC/700 12-24 <small>*Numbers are for 24V input, halve the maximum for 12V input</small>	PSDIM900	PSDAL900M
<b>DRIVER INFORMATION</b>															
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Output classification	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA
Dimmable	Mains	DALI or 1-10V	1-10V	1-10V	1-10V		Mains	Mains	DALI or 1-10V	1-10V	1-10V	1-10V		1-10V	DALI
Din rail mount					Yes							Yes			
Plug & Play							Yes								

COLLINGWOOD DOWNLIGHTS															
<b>DL120</b> Page 94		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>DL130</b> Page 94		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>Fibre LED Light</b> Page 92		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									

MODULES THAT REQUIRE HOUSING															
<b>DM01</b> Page 97								1	1 - 5	1 - 5	1 - 2	1 - 2			
<b>RL111</b> Page 95	1	1 - 2	1 - 2	1											

GROUND LIGHTS (continued on next page)															
<b>GL063</b> Page 106		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>GL064</b> Page 106		1 - 4	1 - 4	1 - 2	1 - 2	1									
<b>GL090</b> Page 108							1		1 - 6	1 - 6	1 - 3	1 - 3	1 - 2 *		
<b>GL040</b> Page 109		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>GL041</b> Page 110		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>GL050</b> Page 111		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>GL051</b> Page 111		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>GL016</b> Page 112		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL016 SQ</b> Page 112		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL016 F AB</b> Page 113		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL021</b> Page 114		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL022</b> Page 114		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL019 Flood</b> Page 115		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL019 Spot</b> Page 115		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL019LG</b> Page 116		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL019 SQ</b> Page 117		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL019 ST</b> Page 118		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL019 S TK</b> Page 119		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>GL018 C</b> Page 120															
<b>GL018 C AB</b> Page 121															

To place an order use the driver partcodes below.

<i>PLR/350 1-5</i>	<i>PLU/350 1-9</i>	<i>PLU/PP/350 1-9</i>	<i>PLU/PPe/350 1-9</i>	<i>PLU/700 3-9</i>	<i>PL/IP/350 1-9</i>	<i>PL/IP/350 3-12</i>	<i>PS288</i>	<i>PL/IP/700 1-3</i>	<i>PL/IP/700 3-9</i>	<i>PS1524</i>	<i>PS3024</i>	<i>PS5024</i>	<i>PS10024</i>	<i>PSDIN10024</i>	<i>PSIP15024</i>	<i>PSIP24024</i>	<i>PSDIP8024</i>	<i>PSDIP10024</i>	<i>PSDAL20024</i>
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
IP40	IP40	IP40	IP40	IP40	IP65	IP65	IP65	IP65	IP65	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP66	IP66	IP66
350mA	350mA	350mA	350mA	700mA	350mA	350mA	350mA	700mA	700mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
										1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V	1-10V	DALI
		Yes	Yes											Yes					

† Requires a **PDCINT1-10V** interface to make it 1 - 10V dimmable

1 - 5	1 - 9	1 - 9	1 - 9		1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9	1 - 9	1 - 9		1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												

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1	1 - 3				1 - 3	1 - 4	1												
1	1 - 2				1 - 2	1 - 3													
				1 - 3				1	1 - 3										
1	1 - 3				1 - 3	1 - 4	1												
1	1 - 3				1 - 3	1 - 4	1												
1	1 - 3				1 - 3	1 - 4	1												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
										1 - 30	1 - 60	1 - 100	1 - 200	1 - 200	1 - 300	1 - 480	1 - 120	1 - 200	1 - 400
										1 - 30	1 - 60	1 - 100	1 - 200	1 - 200	1 - 300	1 - 480	1 - 120	1 - 200	1 - 400

# PRODUCTS PER DRIVER MATRIX 2/4

The table below shows the minimum and maximum of each product that fits onto each driver

	PLDM35020	PSDAL350M	PSDIM350	PLD UNI-DRIVE 350MA	PSDIM350M	PLDCC/350/10-28 <small>*Numbers are for 24V input; halve the maximum for 12V input</small>	PLDM/700 3	PLDM70011	PSDAL700M	PSDIM700	PLD UNI-DRIVE 700MA	PSDIM700M	PLDCC/700 12-24 <small>*Numbers are for 24V input; halve the maximum for 12V input</small>	PSDIM900	PSDAL900M
<b>DRIVER INFORMATION</b>															
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Output classification	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA
Dimmable	Mains	DALI or 1-10V	1-10V	1-10V	1-10V		Mains	Mains	DALI or 1-10V	1-10V	1-10V	1-10V		1-10V	DALI
Din rail mount					Yes							Yes			
Plug & Play							Yes								

<b>GROUND LIGHTS</b> (continued from previous page)															
<b>GL018 SQ</b> Page 122															
<b>GL018 T</b> Page 123															

<b>WALL LIGHTS</b>															
<b>OCTOLED</b> Page 136		1 - 4	1 - 4	1 - 2	1 - 2										
<b>WL220A</b> Page 139		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>WL020A BLK</b> Page 139		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>WL320A</b> Page 139		1 - 6	1 - 6	1 - 3	1 - 3	2 *									
<b>WL050</b> Page 142		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>MC020 S</b> Page 144		1 - 9	1 - 9	1 - 5	1 - 5	1 - 3 *									
<b>MC010 S</b> Page 145		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>MF02 IP</b> Page 146		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>MS02 IP</b> Page 147		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>ML01</b> Page 148		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>ML02</b> Page 149		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>ML03</b> Page 150		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									

<b>STRIP LIGHTS</b>															
<b>LSV03</b> Page 165															
<b>LSV02</b> Page 166															
<b>LSV43</b> Page 167															
<b>LSV42</b> Page 168															
<b>LSV44</b> Page 169															
<b>LSC03</b> Page 170															
<b>LSC43</b> Page 171															
<b>LSC45</b> Page 172															
<b>LSC83</b> Page 173															
<b>LEDSTRIP IP</b> Page 174															



To place an order use the driver partcodes below.

<i>PLR/350 1-5</i>	<i>PLU/350 1-9</i>	<i>PLU/PP/350 1-9</i>	<i>PLU/PPe/350 1-9</i>	<i>PLU/700 3-9</i>	<i>PL/IP/350 1-9</i>	<i>PL/IP/350 3-12</i>	<i>PS288</i>	<i>PL/IP/700 1-3</i>	<i>PL/IP/700 3-9</i>	<i>PS1524</i>	<i>PS3024</i>	<i>PS5024</i>	<i>PS10024</i>	<i>PSDIN10024</i>	<i>PSIP15024</i>	<i>PSIP24024</i>	<i>PSDIP6024</i>	<i>PSDIP10024</i>	<i>PSDAL20024</i>
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
IP40	IP40	IP40	IP40	IP40	IP65	IP65	IP65	IP65	IP65	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP66	IP66	IP66
350mA	350mA	350mA	350mA	700mA	350mA	350mA	350mA	700mA	700mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
										1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V	1-10V	DALI
		Yes	Yes											Yes					

† Requires a **PDCINT1-10V** interface to make it 1 - 10V dimmable

										1 - 30	1 - 60	1 - 100	1 - 200	1 - 200	1 - 300	1 - 480	1 - 120	1 - 200	1 - 400
										1 - 30	1 - 60	1 - 100	1 - 200	1 - 200	1 - 300	1 - 480	1 - 120	1 - 200	1 - 400

1	1 - 2				1 - 2	1 - 3													
1	1 - 3				1 - 3	1 - 4	1												
1	1 - 3				1 - 3	1 - 4	1												
1	1 - 3				1 - 3	1 - 4	1												
1 - 5	1 - 9	1 - 9	1 - 9		1 - 9	3 - 12	1 - 3												
1 - 2	1 - 4				1 - 4	1 - 4	1												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												
1 - 5	1 - 9				1 - 9	3 - 12	1 - 3												

										≤ 3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 30m	≤ 50m	≤ 12m	≤ 20m	≤ 40m
										≤ 5.5m	≤ 9.5m	≤ 19.5m	≤ 19.5m	≤ 29.5m	≤ 49.5m	≤ 11.5m	≤ 19.5m	≤ 39.5m	
										≤ 3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 30m	≤ 50m	≤ 12m	≤ 20m	≤ 40m
										≤ 5.5m	≤ 9.5m	≤ 19.5m	≤ 19.5m	≤ 29.5m	≤ 49.5m	≤ 11.5m	≤ 19.5m	≤ 39.5m	
										≤ 5.5m	≤ 5.5m	≤ 9.5m	≤ 15m			≤ 5.5m	≤ 12m		
										≤ 3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 30m	≤ 48m	≤ 12m	≤ 20m	≤ 40m
										≤ 3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 30m	≤ 48m	≤ 12m	≤ 20m	≤ 40m
										≤ 1m	≤ 1.8m	≤ 3m	≤ 6m	≤ 6m	≤ 10m	≤ 15m	≤ 4m	≤ 6m	≤ 12m
										≤ 3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 30m	≤ 48m	≤ 12m	≤ 20m	≤ 40m
										≤ 5m	≤ 10m	≤ 17m	≤ 34m	≤ 34m	≤ 50m	≤ 80m	≤ 20m	≤ 36m	≤ 68m

# PRODUCTS PER DRIVER MATRIX 3/4

The table below shows the minimum and maximum of each product that fits onto each driver

	PLDM35020	PSDAL350M	PSDIM350	PLD UNI-DRIVE 350MA	PSDIM350M	PLDCC/350/10-28 <small>*Numbers are for DALI input, halve the maximum for 12V input</small>	PLDM/700 3	PLDIM70011	PSDAL700M	PSDIM700	PLD UNI-DRIVE 700MA	PSDIM700M	PLDCC/700 12-24 <small>*Numbers are for DALI input, halve the maximum for 12V input</small>	PSDIM900	PSDAL900M
<b>DRIVER INFORMATION</b>															
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Output classification	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA
Dimmable	Mains	DALI or 1-10V	1-10V	1-10V	1-10V		Mains	Mains	DALI or 1-10V	1-10V	1-10V	1-10V		1-10V	DALI
Din rail mount					Yes							Yes			
Plug & Play							Yes								
<b>RETAIL RANGE</b>															
<b>RDSL</b> Page 186														1	1
<b>RDSM</b> Page 188								1	1	1					
<b>RDSS</b> Page 190		1 - 2	1 - 2	1											
<b>SQSL</b> Page 187														1	1
<b>SQSM</b> Page 189								1	1	1					
<b>SQSS</b> Page 191		1 - 2	1 - 2	1											
<b>UNIVERSAL LIGHTS</b>															
<b>LEDLINE 400 110</b> Page 200								1 - 2	1 - 2	1	1				
<b>LEDLINE 400 25X6</b> Page 201								1 - 2	1 - 2	1	1				
<b>LEDLINE 400 45</b> Page 202								1 - 2	1 - 2	1	1				
<b>UL030</b> Page 209							1	1 - 6	1 - 6	1 - 3	1 - 3	1 - 2 *			
<b>UL010</b> Page 210								1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *			
<b>LED LYTE SURFACE</b> Page 211		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>LED LYTE IP</b> Page 212		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>LED LYTE IP T</b> Page 213		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>LED LYTE</b> Page 214		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>SPIKE LIGHTS</b>															
<b>SL040A</b> Page 218							1	1 - 6	1 - 6	1 - 3	1 - 3	1 - 2 *			
<b>SL220A</b> Page 220		1 - 6	1 - 6	1 - 3	1 - 3										
<b>SL020A BLK</b> Page 220		1 - 6	1 - 6	1 - 3	1 - 3										
<b>SL320A</b> Page 221		1 - 6	1 - 6	1 - 3	1 - 3										
<b>SL030</b> Page 222		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>SL130</b> Page 222		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									
<b>BOLLARDS</b>															
<b>BOL LED 1</b> Page 227		1 - 18	1 - 18	1 - 10	1 - 10	1 - 6 *									

To place an order use the driver partcodes below.

<i>PLR/350 1-5</i>	<i>PLU/350 1-9</i>	<i>PLU/PP/350 1-9</i>	<i>PLU/PPe/350 1-9</i>	<i>PLU/700 3-9</i>	<i>PL/IP/350 1-9</i>	<i>PL/IP/350 3-12</i>	<i>PS288</i>	<i>PL/IP/700 1-3</i>	<i>PL/IP/700 3-9</i>	<i>PS1524</i>	<i>PS3024</i>	<i>PS5024</i>	<i>PS10024</i>	<i>PSDIN10024</i>	<i>PSIP15024</i>	<i>PSIP24024</i>	<i>PSDIP6024</i>	<i>PSDIP10024</i>	<i>PSDAL2024</i>
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
IP40	IP40	IP40	IP40	IP40	IP65	IP65	IP65	IP65	IP65	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP66	IP66	IP66
350mA	350mA	350mA	350mA	700mA	350mA	350mA	350mA	700mA	700mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
										1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V †	1-10V	1-10V	DALI
		Yes	Yes											Yes					

† Requires a **PDCINT1-10V** interface to make it 1 - 10V dimmable


				1				1											
				1				1											
				1				1											
				1-3				1-3											
				3-9				3-9											
1-5	1-9	1-9	1-9		1-9	3-12	1-3												
1-5	1-9	1-9	1-9		1-9	3-12	1-3												
1-5	1-9	1-9	1-9		1-9	3-12	1-3												
1-5	1-9	1-9	1-9		1-9	3-12	1-3												

				1-3				1	1-3										
1	1-3	1-3	1-3		1-3	1-4	1												
1	1-3	1-3	1-3		1-3	1-4	1												
1	1-3	1-3	1-3		1-3	1-4	1												
1-5	1-9	1-9	1-9		1-9	3-12	1-3												
1-5	1-9	1-9	1-9		1-9	3-12	1-3												

1-5	1-9	1-9	1-9		1-9	3-12	1-3												
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# PRODUCTS PER DRIVER MATRIX 4/4

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.



### LSR05 - Bespoke lengths available

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Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 2m per <b>PR3002</b>	50W	<b>PS5024</b>
Up to 5m per <b>PR3002</b>	100W	<b>PS10024</b>
Up to 10m per <b>PR3002</b>	150W	<b>PSIP15024</b>




### LED5050RGB - Bespoke lengths available



Page 261

Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 5m per <b>PR3002</b>	50W	<b>PS5024</b>
Up to 10m per <b>PR3002</b>	100W	<b>PS10024</b>

# DIMMING INTERFACE & POWER REPEATER COMPARISON 1/1

For full interface and power repeater specifications visit our website [collingwoodlighting.com](http://collingwoodlighting.com)

	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
 <b>HAL 104</b>	DALI	<0.05A	220-240V				0.5	-20°C to 50°C	65°C	DALI broadcast dimming	Yes	80%	IP20	20A 0.4ms
 <b>PDCINT1-10V</b>	1-10V for 24V drivers	288W	12A max.	24V DC	12A max.	24V DC		-25°C to 40°C	70°C	1-10V dimming		99%	IP20	
 <b>DALIDIM</b>	DALI	500W	TBC	220-240V	2 x 1.2A	220-240V	0.5	-20°C to 50°C	50°C	DALI		TBC	IP20	TBC




	CONSTANT CURRENT / CONSTANT VOLTAGE	RATED WATTAGE	INPUT CURRENT	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE	AMBIENT TEMP: (TA = °C)	CASE TEMP: (TC = °C)	CONTROL
 <b>PR3011</b>	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
 <b>PR3002</b>	Constant voltage	39W channel max.	6.5A max.	24V DC	4 x 1.6A	4 x 24V	40°C	70°C	C100924 / DMX2102





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)
<b>DL329RGBW</b>	Page 256	6	<b>SL021CARGB</b>	Page 259	6	1	50W	<b>PS5024</b>
<b>GL007RGBW</b>	Page 242	2	<b>UL010RGBW</b>	Page 255	6	2 - 3	100W	<b>PS10024</b>
<b>GL008RGBW</b>	Page 243	1	<b>UL030RGBW</b>	Page 254	2	4 - 5	150W	<b>PSIP15024</b>
<b>GL016RGBW</b>	Page 247	6	<b>UL345CARGB</b>	Page 251	1			
<b>GL040CARGB</b>	Page 245	6	<b>UL346CARGB</b>	Page 252	1			
<b>GL050RGBW</b>	Page 246	6	<b>UL347CARGB</b>	Page 253	1			
<b>GL090RGBW</b>	Page 244	2	<b>WL070RGBW</b>	Page 248	1			
<b>LL030CARGB</b>	Page 258	6	<b>WL075CARGB</b>	Page 249	2			
<b>LL090RGBW</b>	Page 257	2	<b>WL220CARGB</b>	Page 250	6			
<b>SL220CARGB</b>	Page 259	6	<b>WL021CARGB</b>	Page 250	6			

LOOP IN / LOOP OUT  
DIN RAIL MOUNT  
PROTECTION  
SELY  
DIMENSIONS (MM)  
WEIGHT  
CONNECTION OUTPUT  
INPUT CABLE  
OUTPUT CABLE  
ACCESSORIES  
WARRANTY















		Mains surge, short circuit, overload & overheating	Yes	H: 19mm L: 115mm W: 34mm		Screw terminals 1 x 1-2.5mm <sup>2</sup> cable				2-year guarantee
				H: 28mm L: 138mm W: 40mm		Terminals	4mm <sup>2</sup> max.	1.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER	1-year guarantee
		Thermal protection	Yes	H: 19mm L: 168mm W: 58mm		TBC	TBC	TBC		7-year guarantee

















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 <sup>2</sup> cable				5-year guarantee
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm		Screw terminals < 2.5mm <sup>2</sup> cable				5-year guarantee

# DRIVER COMPARISON 1/3

For full driver specifications visit our website [collingwoodlighting.com](http://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
 <b>PLDM35020</b>	N/A (see page 268-275)	30 - 52.5V	350mA	22W	220-240V AC	0.18A	45A 0.2ms	>0.95	-25°C to 50°C	Mains	Yes	>80%	IP20	
 <b>PSDAL350M</b>	N/A (see page 268-275)	70V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to 50°C	1-10V & DALI dimmable	Yes	90%	IP20	
 <b>PSDIM350</b>	N/A (see page 268-275)	2 - 74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to 50°C	1-10V dimmable	Yes	>80%	IP20	
 <b>PLD UNI-DRIVE 350MA</b>	N/A (see page 268-275)	49V max.	350mA	18W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C to 50°C	1-10V dimmable	Yes	80%	IP20	
 <b>PSDIN350</b>	N/A (see page 268-275)	53V max.	350mA	30W	220-240V AC	0.16A	5A 0.05ms	0.95	-25°C to 50°C	1-10V dimmable	Yes	88%	IP20	
 <b>PLDCC/350/10-28</b>	N/A (see page 268-275)	28V	350mA		10-28V DC				40°C	Non-dimmable		60%	IP20	
 <b>PLDM/700 3</b>	N/A (see page 268-275)	13.5V max.	700mA	12W	220-240V AC	0.05A	15A 0.5ms	>0.95	-25°C to 40°C	Mains dimmable	Yes	80%	IP20	
 <b>PLDM70011</b>	N/A (see page 268-275)	12V	700mA	12W	220-240V AC	0.05A	15A 0.5ms	>0.95	-25°C to 40°C	Mains dimmable	Yes	>80%	IP20	Yes
 <b>PSDAL700M</b>	N/A (see page 268-275)	70V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to 50°C	1-10V & DALI dimmable	Yes	90%	IP20	
 <b>PSDIM700</b>	N/A (see page 268-275)	2 - 71V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C to 50°C	1-10V dimmable	Yes	80%	IP20	
 <b>PLD UNI-DRIVE 700MA</b>	N/A (see page 268-275)	49V max.	700mA	30W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C to 50°C	1-10V dimmable	Yes	80%	IP20	
 <b>PSDIN700M</b>	N/A (see page 268-275)	46V max.	700mA	30W	220-240V AC	0.16A	5A 0.05ms	0.95	-25°C to 50°C	1-10V dimmable	Yes	88%	IP20	
 <b>PLDCC/700 12-24</b>	N/A (see page 268-275)	23.5V max.	700mA		10-28V DC				40°C	Non-dimmable		70%	IP20	
 <b>PSDIM900</b>	N/A (see page 268-275)	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to 50°C	1-10V dimmable	Yes	>80%	IP20	

LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	SELY	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE (M)	OUTPUT CABLE	ACCESSORIES	WARRANTY
		Mains surge, short circuit, overload & overheating	Yes	H: 30mm L: 141mm W: 43mm		Terminals	Rising clamp 5mm pitch	Rising clamp 5mm pitch		1-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.	4m sync cable SYNC CABLE 4M	5-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm		Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
	Yes	Mains surge, short circuit, overload & overheating	Yes	H: 36mm L: 70mm W: 90mm		Terminals	0.5-4mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
				H: 12mm L: 40mm W: 18mm		Flying leads	0.2	0.2		1-year guarantee
		Mains surge, open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm		Flying leads	0.15m, 0.75mm <sup>2</sup> 2-core cable	0.3		
		Mains surge, open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm		Plug & Play	0.15m, 0.75mm <sup>2</sup> 2-core cable	AWG24 with Plug & Play connector		
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm		Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
	Yes	Mains surge, short circuit, overload & overheating	Yes	H: 36mm L: 70mm W: 90mm		Terminals	0.5-4mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
				H: 18mm L: 50mm W: 32mm		Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.		1-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee

# DRIVER COMPARISON 2/3

For full driver specifications visit our website [collingwoodlighting.com](http://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
 PSDAL900M	N/A (see page 268-275)	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to 50°C	1-10V & DALI dimmable	Yes	>80%	IP20	
 PLR/350 1-5	N/A (see page 268-275)	0-24V max.	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 268-275)	0-36V max.	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40°C	Non-dimmable	Yes	80%	IP40	
 PLU/PP/350 1-9	N/A (see page 268-275)	0-36V max.	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40°C	Non-dimmable	Yes	80%	IP40	Yes
 PLU/PP6/350 1-9	N/A (see page 268-275)	0-36V max.	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40°C	Non-dimmable	Yes	80%	IP40	Yes
 PLU/700 3-9	N/A (see page 268-275)	0-36V max.	700mA	32W	220-240V AC	0.10A	14.9A 0.6ms	0.85	40°C	Non-dimmable	Yes	80%	IP40	
 PL/IP/350 1-9	N/A (see page 268-275)	36V max.	350mA	25W	220-240V AC	0.10A max.	12.8A 0.8ms	0.6	40°C	Non-dimmable	Yes	70%	IP65	
 PL/IP/350 3-12	N/A (see page 268-275)	48V max.	350mA	22W	220-240V AC	0.15A	14.9A 0.6ms	0.6	40°C	Non-dimmable	Yes	70%	IP65	
 PS288	N/A (see page 268-275)	12V max.	350mA	7W	220-264V AC	0.03A	9A 0.8ms	0.75	-25°C to 50°C	Non-dimmable	Yes	80%	IP65	
 PL/IP/700 1-3	N/A (see page 268-275)	21V max.	700mA	21W	220-240V AC	0.06A	12.8A 0.8ms	0.85	40°C	Non-dimmable	Yes	80%	IP65	
 PL/IP/700 3-9	N/A (see page 268-275)	36V max.	700mA	32W	220-240V AC	0.12A	14.9A 0.6ms	0.85	40°C	Non-dimmable	Yes	80%	IP65	
 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	
 PS3024	30W	24V DC	1.25A max.	36W	220-240V AC	0.16A	50A 0.4ms	>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	










LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	SELY	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE (M)	OUTPUT CABLE	ACCESSORIES	WARRANTY
		Mains surge, short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm		Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 19mm Ø: 53mm		Flying leads	0.2	0.2		1-year guarantee
Yes		Mains surge, short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm		Terminals	1.5mm <sup>2</sup> max.	1.5mm <sup>2</sup> max.	PLU weatherproof housing IX 265	1-year guarantee
Yes		Mains surge, short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm		Terminals	1.5mm <sup>2</sup> max.	1.5mm <sup>2</sup> 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		Mains surge, short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm		Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> 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		Mains surge, short circuit, overload & overheating	Yes	H: 28mm L: 138mm W: 40mm		Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.		1-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 20mm Ø: 54mm		Flying leads	0.3	0.3		1-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 30mm Ø: 80mm		Flying leads	0.3	0.3		1-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 23mm L: 42mm W: 39mm		Flying leads	0.27	0.27		
		Mains surge, short circuit, overload & overheating	Yes	H: 20mm Ø: 54mm		Flying leads	0.2	0.2		1-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 30mm Ø: 80mm		Flying leads	0.1	0.1		1-year guarantee
		Short circuit, overload & overheating	Yes	H: 16mm L: 103mm W: 35.5mm		Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V RGBW/RGB controller C100924	3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 18mm L: 160mm W: 58mm		Terminals	0.75mm <sup>2</sup> max.	0.75mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 18mm L: 160mm W: 58mm		Terminals	0.75mm <sup>2</sup> max.	0.75mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V RGBW/RGB controller C100924	3-year guarantee

# DRIVER COMPARISON 3/3

For full driver specifications visit our website [collingwoodlighting.com](http://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
 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	
 PSDIN10024	100W	24V DC	4.2A max.	120W	110-240V AC	1.53A	45A 1ms	0.98	-25°C to 50°C	Dimmable with PDCINT 1-10V	Yes	80%	IP20	
 PSIP15024	150W	24V DC	6.3A max.	178W	220-240V AC	0.80A	65A 0.5ms	>0.95	-40°C to 60°C	Dimmable with PDCINT 1-10V		>85%	IP65	
 PSIP24024	240W	24V DC	10A max.	285W	220-240V AC	1.2A	75A 0.6ms	>0.95 max.	-40°C to 60°C	Dimmable with PDCINT 1-10V		93%	IP65	
 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	Yes	>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	

LOOP IN / LOOP OUT	DIN RAIL MOUNT	PROTECTION	SELY	DIMENSIONS (MM)	WEIGHT	CONNECTION OUTPUT	INPUT CABLE (M)	OUTPUT CABLE	ACCESSORIES	WARRANTY
		Mains surge, short circuit, overload & overheating	Yes	H: 31mm L: 180mm W: 65.5mm	 250g	Terminals	0.75mm <sup>2</sup> max.	0.75mm <sup>2</sup> max.	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3-year guarantee
Yes		Mains surge, short circuit, overload & overheating	Yes	H: 93mm L: 100mm W: 56mm	 350g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.		3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 38mm L: 222mm W: 68mm	 1kg	Flying leads	1mm <sup>2</sup>	1.5mm <sup>2</sup>	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 40mm L: 244mm W: 67mm	 1.2kg	Flying leads	0.3m, 1mm <sup>2</sup> 2-core cable Ø: 7mm	0.3m, 1mm <sup>2</sup> 2-core cable Ø: 7mm	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 45mm L: 200mm W: 70mm	 1.1kg	Flying leads	0.3m 3x1.0mm <sup>2</sup> core cable Ø: 7mm	2x0.3m 3x1.0mm <sup>2</sup> core cable Ø: 7mm	Grid dimmer kit PDC/GRID DIMMER	3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	 1.2kg	Flying leads	Mains: 0.3m, 1mm <sup>2</sup> 2-core cable Ø: 7mm 1-10V: 0.3m, 0.75mm <sup>2</sup> 2-core cable Ø: 6.5mm	0.3m, 1.5mm <sup>2</sup> 2-core cable Ø: 8.5mm	Grid dimmer kit PDC/GRID DIMMER	3-year guarantee
		Mains surge, short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	 1.8kg	Flying leads	Mains: 0.3m, 1mm <sup>2</sup> 2-core cable Ø: 7mm DALI: 0.3m, 0.75mm <sup>2</sup> 2-core cable Ø: 6.5mm	0.3m, 1.5mm <sup>2</sup> 2-core cable Ø: 8.5mm		3-year guarantee

# ACCESSORIES 1/1

For accessories specific to product ranges visit the relevant sections.

## JB1 (Parallel)

Waterproof junction box



### KEY FEATURES

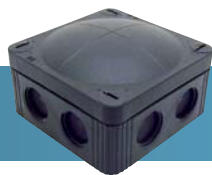
Max. voltage	30V DC
Max. current	5A
Max. conductor size	1mm <sup>2</sup>
Cable diameter	5 - 6.5mm <sup>2</sup>
IP rating	IP68 (2m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

### USE IN CONJUNCTION WITH

GL018

## JB3

Waterproof junction box



### KEY FEATURES

Max. voltage	400V AC
Max. current	30A
Max. conductor size	4mm <sup>2</sup>
Cable diameter	3 - 12mm <sup>2</sup>
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
Input	1
Output	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
WL020A	WL220A
WL320A	

## JB2 (Series)

Waterproof junction box



### KEY FEATURES

Max. voltage	48V DC
Max. current	700mA
Max. conductor size	1mm <sup>2</sup>
Cable diameter	5 - 6.5mm <sup>2</sup>
IP rating	IP68 (2m)
Wiring	Series
Inputs	1
Outputs	1 - 3

### USE IN CONJUNCTION WITH

BOL LED 1	GL016	GL019
GL019LG	GL021	GL022
GL040	GL041	GL050
GL051	GL063	GL064
GL090	UL010	UL030
SL030	SL130	SL040A
SL220A	SL320A	SL020A BLK

## WC 5-9

Quick release waterproof connector



### KEY FEATURES

Max. voltage	250V AC or 50V DC
Max. current	10A
Max. conductor size	4mm <sup>2</sup>
Cable diameter	5 - 9mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

### USE IN CONJUNCTION WITH

BOL LED MAINS	GL07
GL007 FROSTED	GL08
GL09	GL034A
GL038A	SL220A MAINS
WL339	WL340
WL341	WL342

## IX 365

PDC weatherproof housing



### KEY FEATURES

IP rating	IP65
Wiring	Series / parallel
Input	10
Material	Plastic
Dimensions	L: 410mm W: 190mm D: 110mm

### USE IN CONJUNCTION WITH

PS1524	PS3024
PS5024	PS10024
PSDAL20024	PSDIN10024
PSDIP6024	PSDIP10024
PSIP15024	PSIP24024

## PDC/GRID DIMMER

Grid dimmer kit for multiple fitting types



### KEY FEATURES [Constant voltage]

Dimming	1 - 10V
Minimum load	1 driver
Maximum load	10 drivers

### KEY FEATURES [Constant current]

Dimming	1 - 10V
Minimum load	1 driver
Maximum load	10 drivers

### USE IN CONJUNCTION WITH [CV]

PS1524	PS3024
PS5024	PS10024
PSDAL20024	PSDIN10024
PSDIP6024	PSDIP10024
PSIP15024	PSIP24024

### USE IN CONJUNCTION WITH [CC]

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 <sup>2</sup>
Cable diameter	6.5 - 12mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Series
Inputs	1
Outputs	1 - 3

### USE IN CONJUNCTION WITH

BOL LED 1	GL016	GL019
GL019LG	GL021	GL022
GL040	GL041	GL050
GL051	GL063	GL064
GL090	UL010	UL030
SL030	SL130	SL040A
SL220A	SL320A	SL020A BLK

## JB6

Inline IP68 gel filled cable connector



### KEY FEATURES

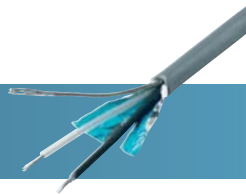
Max. voltage	250V AC
Max. current	6A
Max. conductor size	0.75mm <sup>2</sup>
Cable diameter	4.8 - 6mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

### 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

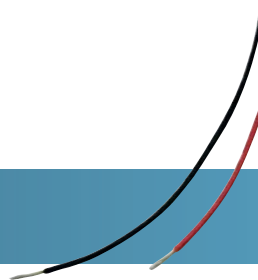
Cable	DMX RS 485 cable
Material	Copper cable
Length	100m reel or by the metre
Indoor / outdoor	Indoor only

### USE IN CONJUNCTION WITH

DMX2102

## CR135

PTFE cable



### KEY FEATURES

Cable	Red or black 0.2052 PTFE
Material	30A
Length	100m reel

### USE IN CONJUNCTION WITH

MC010	MC020
MF02 IP	ML01
ML02	ML03
MS02 IP	OCTOLED
UY2 CONNECTOR	WL020A BLK
WL220A	WL320A

## JB5 (Parallel)

Gel filled waterproof junction box



### KEY FEATURES

Max. voltage	250V AC
Max. current	16A
Max. conductor size	1.5mm <sup>2</sup>
Cable diameter	6.5 - 12mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

### USE IN CONJUNCTION WITH

BOL LED MAINS	GL007A
GL007 FROSTED	GL008A
GL009A	GL018
GL034A	GL038A
SL220A MAINS	WL339
WL340	WL341
WL342	

## JB7

5 pole screw terminal IP68 connector



### KEY FEATURES

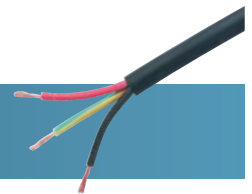
Max. voltage	24V (RGBW only)
Max. current	1.4A (RGBW only)
Max. conductor size	4mm <sup>2</sup>
Cable diameter	7 - 10.5mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1

### 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

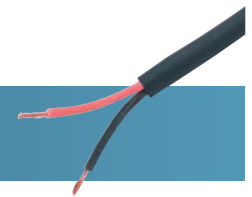
Cable	H05RN-F 3 x 0.75mm <sup>2</sup>
Material	Copper cable, rubber outer
Length	100m reel
Indoor / outdoor	Suitable for permanent outdoor use

### 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 <sup>2</sup>
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

### 2700K

CCT Kelvin temperature. 2700K is a warm white similar to the colour of incandescent and halogen lights.

### AC (Alternating Current)

An electrical current alternating in direction.

### 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. See page 288 for a more information.

### CCT

Correlated Colour Temperature. See page 284

### Colour Switchable

Colour temperature can be switched between 3000K to 4000K or 6500K

### CRI

Colour Rendering Index. See page 285

### 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. All Collingwood products use DC output from the driver to operate the LEDs.

### Dim to Warm

The CCT becomes warmer as the product is dimmed.

### Downlight

A luminaire designed to be installed in a ceiling, with the lightsource pointed vertically downwards.

### Flicker

A visible constant fluctuation of light output from on to off.

### Flood Light

A luminaire featuring a wide beam angle, designed to provide illumination over a wide area.

### IK Rating

Indicates the protection against mechanical impact. Rated from IK00 to IK10. See page 286

### Insulation Coverable

Insulation can be laid directly on top of the product this can be rolled or blown wool insulation

### IP Rating

Ingress Protection Rating. See page 287

### Kelvin (K)

Kelvin is the scientific unit for measuring CCT (Correlated Colour Temperature). See page 284

### L70, B10 / L70, B50

Lifetime indication of LEDs. See page 286

### 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.

### LUXEON Crisp White Technology

This technology activates fluorescing agents in paints and fabrics to display merchandise in true colours.

### 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

### Neutral White (NW) / 4000K

Light with a CCT Kelvin temperature of 4000K. See page 284

### 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.

### Spotlight

A light source featuring a narrow beam angle, designed to allow highlighting or illumination of specific features in an area.

### 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. See page 286

### UGR

UGR stands for Unified Glare Rating. The lower the value, the more comfortable the environment.

### Warm White (WW) / 3000K

Light with a CCT Kelvin temperature of 3000K. See page 284

### 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

### 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

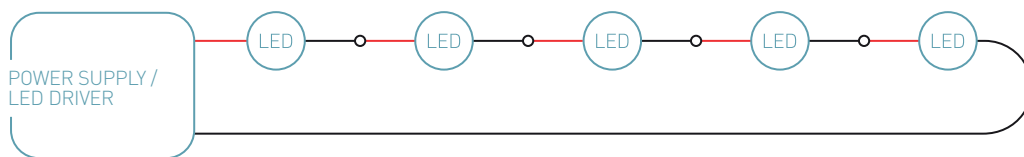
Product for which no other wiring is required other than connection to the mains supply.

## SERIES / PARALLEL WIRING

LED lighting products can be wired in either Series or Parallel and both have their advantages.

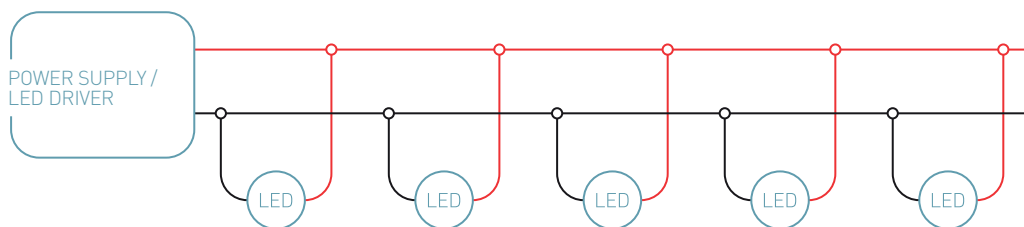
### 1 Series

Series wired products that require a separate constant current power supply.



### 2 Parallel

Parallel wired products that require a separate constant voltage power supply.



Collingwood Lighting specification sheets and catalogues clearly show which driver to use with which product and show how many LEDs can be fitted.

## 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 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 FF and H4 Pro are two of 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.

Look out for the SDCM logo throughout the catalogue.



# 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 4000K for neutral 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.

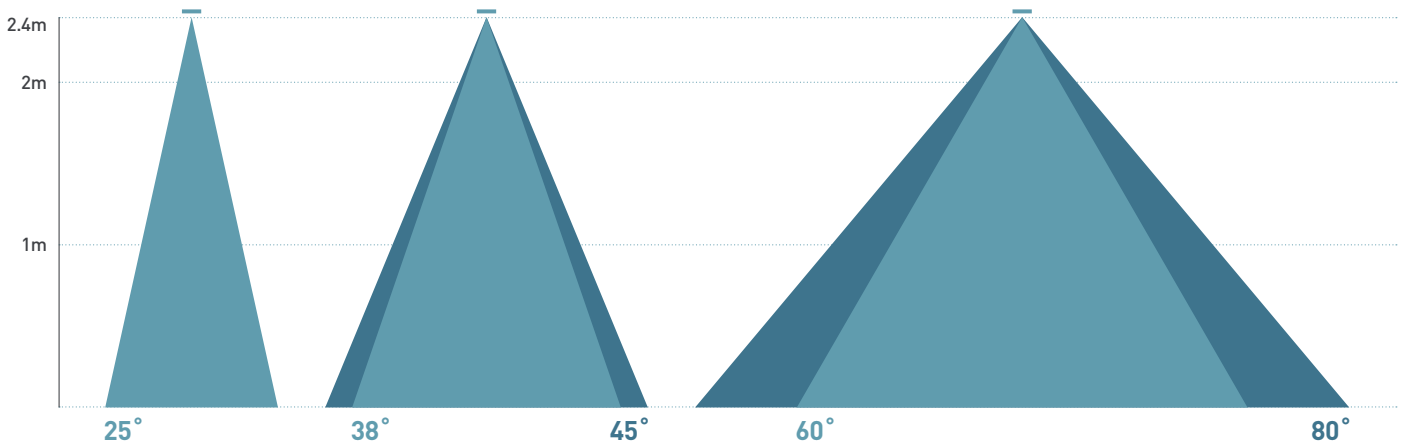
It can be a tricky to decide what is best for your installation, but our skilled technical sales and lighting design teams are on hand to guide you through choosing the perfect white tone for your room.



## 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 >70Ra is good, which is suitable for many installations, with >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



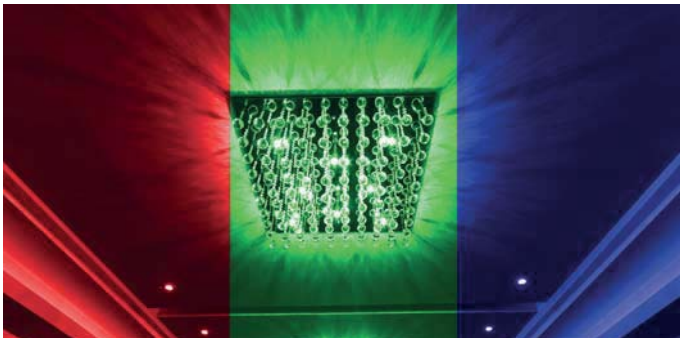
HIGH CRI

## RGB vs RGBW

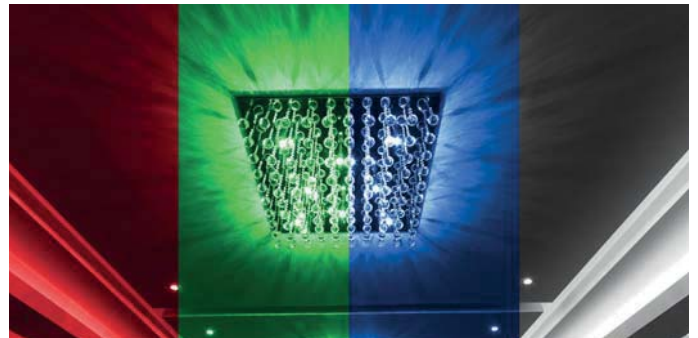
Use RGB products to select vivid red, green or blue schemes or mix the three together for even more colour options.

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

Collingwood Lighting is pleased to announce that we have partnered with DIALux.

DIALux is a free 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 before you get your hands dirty. Giving you the ability to get creative with your design and accomplish the perfect lighting scheme - with no regrets after installation.

To download our plug-in visit [collingwoodlighting.com](http://collingwoodlighting.com) and click on the DIALux logo.

# DIALux

## 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.

NO.	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.

NO.	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:

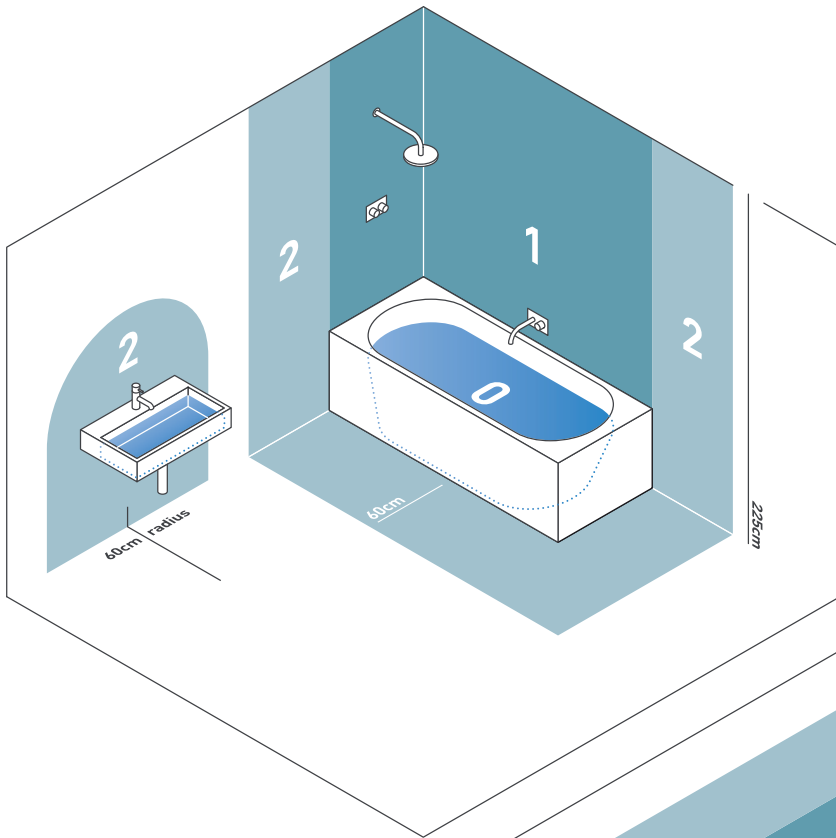
1. Level of protection from solid objects or materials
2. Level of protection from liquids (water)

SOLID PROTECTION			WATER PROTECTION		
NO.	EXAMPLE		NO.	EXAMPLE	
0		No special 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	1		Protection against condensation
2		Protection against fingers or other objects not greater than 80mm in length and 12mm in diameter	2		Protection against water droplets deflected up to 15° from vertical
3		Protection from entry by tools, wires etc, with a diameter of 2.5mm or more	3		Protection against spray up to 60° from vertical
4		Protection against solid bodies larger than 1mm	4		Protection against water spray from all directions
5		Protection against dust that may harm equipment	5		Protection against low pressure water jets (all directions)
6		Totally dust-tight	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.*

# IP65

Ingress Protection

\* e.g. IP 68 @ 1bar = dust-tight and permanent protection to 1 bar pressure (9m water depth)



## 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

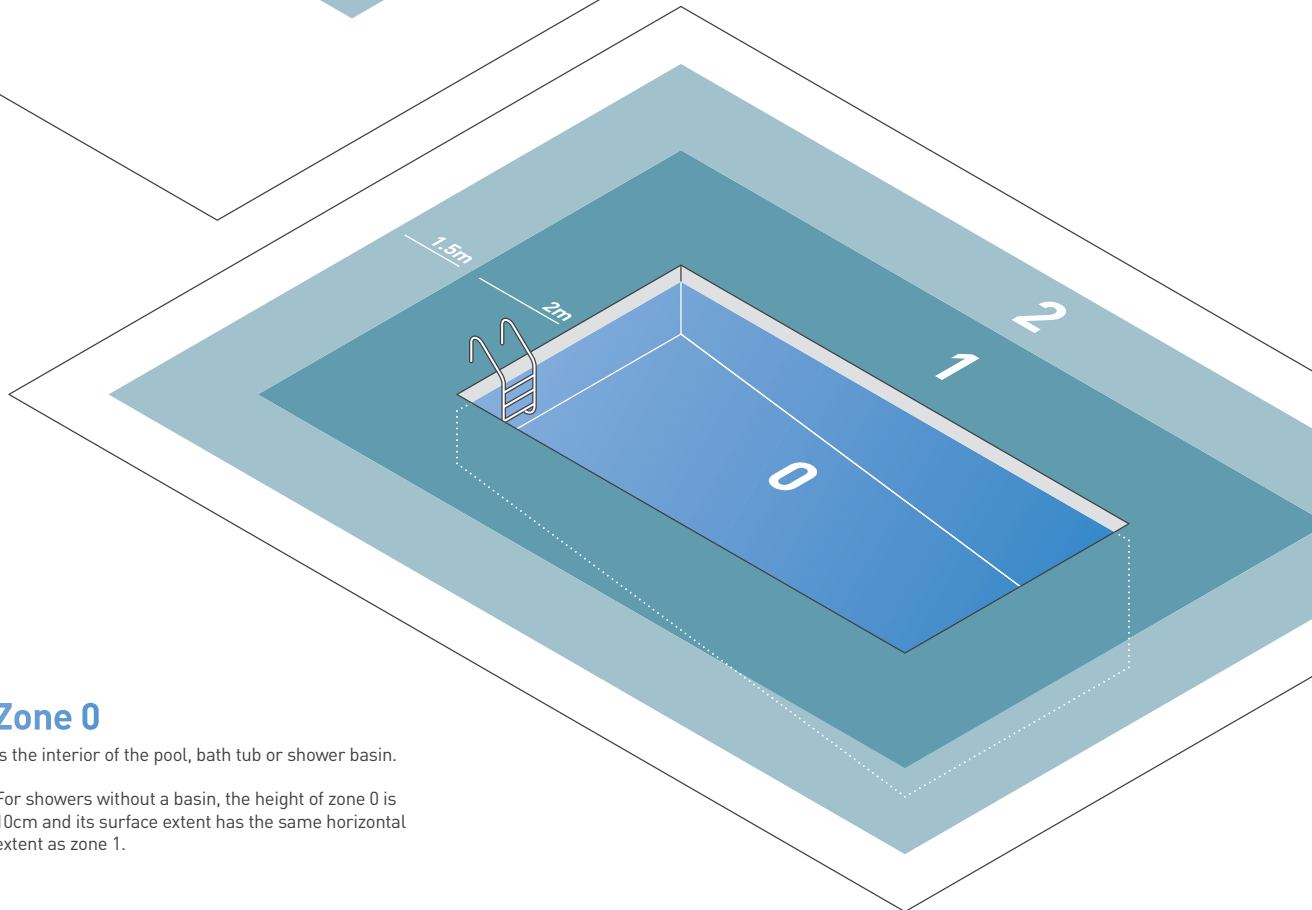
Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

### Zone 2 ≥IPX4

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

is 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

is 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


is 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.



DOWNLIGHTS

H2 LITE

 DLT388BS5530 T **60**  
DLT388BS5540 T

 DLT388MW5530 T **60**  
DLT388MW5540 T

H2 PRO 550 / H2 PRO 550 T


 DL35638NW T **61**  
DL35638NWEM T +  
DLT35638NW T +  
DLT35638NWEM T +  
DL35638WW T +  
DL35638WWEM T +  
DLT35638WW T +  
DLT35638WWE T +  
(bezels available separately)

 DL3566027 T **61**  
DL3566027EM T +  
DL35660NW T +  
DL35660NWEM T +  
DLT35660NW T +  
DLT35660NWEM T +  
DL35660WW T +  
DL35660WWE T +  
DLT35660WW T +  
DLT35660WWE T +  
(bezels available separately)

H2 PRO 550 SPS

 DLT4335530 T **62**  
DLT4335530EM T +  
DLT4335540 T +  
DLT4335540EM T +  
(bezels available separately)

H2 PRO 550 CS

 DLT4286500 T **63**  
DLT4286500EM T +  
(bezels available separately)

H2 PRO 700 T

 DLT2425527 T **64**  
DLT2425527EM T +  
DLT2425530 T +  
DLT2425530EM T +  
DLT2425540 T +  
DLT2425540EM T +  
(bezels available separately)


H2 PRO DUSK

 DLT2425528 T **65**  
DLT2425528EM T +  
(bezels available separately)


H2 PRO ELECT


 DLT4074528 T **66**  
DLT4074528EM T +  
DLT4074530 T +  
DLT4074530EM T +  
DLT4074540 T +  
DLT4074540EM T +  
(bezels available separately)


H2 PRO ELECT TRIMLESS


 DL4094528 T **67**  
DL4094528EM T +  
DL4094530 T +  
DL4094530EM T +  
DL4094540 T +  
DL4094540EM T +  
NEW TO EDITION 23


H2 BEZELS


 RB539BLK T **68**  
(sold in multiples of two)


 RB359BS T **68**  
(sold in multiples of two)

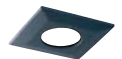
 RB359CR T **68**  
(sold in multiples of two)


 RB359MW T **68**  
(sold in multiples of two)

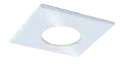
 RB359PG T **68**  
(sold in multiples of two)

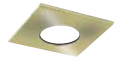
 RB359SIL T **68**  
(sold in multiples of two)


 RB359WH T **68**  
(sold in multiples of two)

 SQB360BLK T **68**  
(sold in multiples of two)

 SQB360CR T **68**  
(sold in multiples of two)

 SQB360MW T **68**  
(sold in multiples of two)

 SQB360PG T **68**  
(sold in multiples of two)

 SQB360SIL T **68**  
(sold in multiples of two)


H4 Pro 550

 DLT4353830 T **69**  
DLT4353830EM T +  
DLT4353840 T +  
DLT4353840EM T +  
DLT4357030 T +  
DLT4357030EM T +  
DLT4357040 T +  
DLT4357040EM T +  
(bezels available separately)  
NEW TO EDITION 23


H4 Pro 550 SPS

 DLT4365530 T **70**  
DLT4365530EM T +  
DLT4365540 T +  
DLT4365540EM T +  
(bezels available separately)  
NEW TO EDITION 23


H4 Pro 700











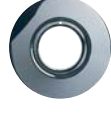






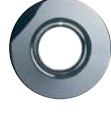









 DLT4435527 T **71**  
DLT4435527EM T +  
DLT4435530 T +  
DLT4435530EM T +  
DLT4435540 T +  
DLT4435540EM T +  
(bezels available separately)  
NEW TO EDITION 23

H4 Pro Elect






 DLT4414528 T **72**  
DLT4414528EM T +  
DLT4414530 T +  
DLT4414530EM T +  
DLT4414540 T +  
DLT4414540EM T +  
(bezels available separately)  
NEW TO EDITION 23

H4 BEZELS

 RB442BS T **73**  
NEW TO EDITION 23

DOWNLIGHTS						H6 LITE		
	RB442CR	73		DL284WHNWDIM DL284WHNWEM DLT284WHNWDIM DLT284WHNWEM DL284WHWWDIM DL284WHWVEM DLT284WHWWDIM DLT284WHWVEM	76		DL800MW10030 DL800MW10040	80
	RB442MW	73						
	RB442WH	73						
<b>H4 EYEBALL</b>			<b>H5 500 ASYMMETRIC</b>			<b>ACCESSORIES</b>		
	DL185BSNWDIM DL185BSNWEM DLT185BSNWDIM DLT185BSNWEM DL185BSWWDIM DL185BSWVEM DLT185BSWWDIM DLT185BSWVEM	74		DL283BSNWDIM DL283BSNWEM DLT283BSNWDIM DLT283BSNWEM DL283BSWWDIM DL283BSWVEM DLT283BSWWDIM DLT283BSWVEM	77		DL/CONVERTBLK	81
	DL185CRNWDIM DL185CRNWEM DLT185CRNWDIM DLT185CRNWEM DL185CRWWDIM DL185CRWVEM DLT185CRWWDIM DLT185CRWVEM	74		DL283CRNWDIM DL283CRNWEM DLT283CRNWDIM DLT283CRNWEM DL283CRWWDIM DL283CRWVEM DLT283CRWWDIM DLT283CRWVEM	77		DL/CONVERTCR	81
	DL185WHNWDIM DL185WHNWEM DLT185WHNWDIM DLT185WHNWEM DL185WHWWDIM DL185WHWVEM DLT185WHWWDIM DLT185WHWVEM	74		DL283WHNWDIM DL283WHNWEM DLT283WHNWDIM DLT283WHNWEM DL283WHWWDIM DL283WHWVEM DLT283WHWWDIM DLT283WHWVEM	77		DL/CONVERTSIL	81
			<b>H5 1000 SYMMETRIC</b>				DLCONVERT70BS	81
	DL282WHNWDIM DL282WHWWDIM	75		DL292BSNW DLT292BSNW DL292BSWW DLT292BSWW	78		DLCONVERT70CR	81
				DL292WHNW DLT292WHNW DL292WHWW DLT292WHWW	78		DLCONVERT70MW	81
<b>H5 500 SYMMETRIC</b>			<b>H5 1000 ASYMMETRIC</b>				DLCONVERT70PG	81
	DL284BSNWDIM DL284BSNWEM DLT284BSNWDIM DLT284BSNWEM DL284BSWWDIM DL284BSWVEM DLT284BSWWDIM DLT284BSWVEM	76		DL291BSNW DLT291BSNW DL291BSWW DLT291BSWW	79		DLCONVERT70WH	81
	DL284CRNWDIM DL284CRNWEM DLT284CRNWDIM DLT284CRNWEM	76		DL291WHNW DLT291WHNW DL291WHWW DLT291WHWW	79		DLCONVERT98BS	81

**DOWNLIGHTS**

	DLCONVERT98CR	81
	DLCONVERT98WH	81
	LEDEM01	86
	LEDEP06	84
	LEDEP07	85
	LEDEP360	87
	DM298GRID	82
	NEW TO EDITION 23	
	DM298FP	82
	NEW TO EDITION 23	

**DOWNLIGHTS**


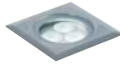





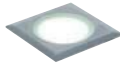

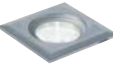


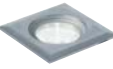











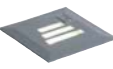










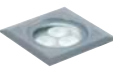


	AR119 SIL	96
	AR120 SIL	96
	AR220 SIL	96
	DL120 NW DL120 WW	94

	DL130 NW DL130 WW	94
	DL201FNW DL201FWW	88
	DL201SNW DL201SFWW	88
	DL DROP ROD	91
	DL PENDANT F NW DL PENDANT F WW	90
	DL SURFACE F NW DL SURFACE F WW	89
	DM012527 DM012530 DM012540	97
	DM022430	98
	DH02WH	99
	DH03WH	99
	DH04WH	99
	DH05WH	99
	FIBRE LED 1/30 FIBRE LED 2/30	93



























	FIBRE LED LIGHT NW	92
	RL1112027 RL1112030 RL1112040	95
	RL1114027 RL1114030 RL1114040	95








































**GROUND LIGHTS**

	GL007 FROSTED NW GL007 FROSTED WW	105
	GL016 F AB AMBER GL016 F AB BLUE GL016 F AB GREEN GL016 F AB NW GL016 F AB RED GL016 F AB WW	113
	GL016 F AMBER GL016 F BLUE GL016 F GREEN GL016 F NW GL016 F RED GL016 F WW	112
	GL016 SQ BLUE GL016 SQ NW GL016 SQ WW	112
	GL018 C AB AMBER GL018 C AB BLUE GL018 C AB GREEN GL018 C AB NW GL018 C AB RED GL018 C AB WW	121
	GL018 C AMBER GL018 C BLUE GL018 C GREEN GL018 C NW GL018 C RED GL018 C WW	120
	GL018 SQ BLUE GL018 SQ NW GL018 SQ WW	122
	GL018 T BLUE GL018 T NW	123
	GL019LGFNW GL019LGFWW	116

GROUND LIGHTS				WALL LIGHTS				
	GL019LGSNW GL019LGSWW	116		GL041 S NW GL041 S WW	110		MC010 S AMBER MC010 S BLUE MC010 S GREEN MC010 S NW MC010 S RED MC010 S WW	145
	GL019 F AMBER GL019 F BLUE GL019 F GREEN GL019 F NW GL019 F RED GL019 F WW	115		GL050 BLUE GL050 NW GL050 WW	111		MC015 S NW MC015 S WW	143
	GL019 S AMBER GL019 S BLUE GL019 S GREEN GL019 S NW GL019 S RED GL019 S WW	115		GL051 BLUE GL051 NW GL051 WW	111		MC020 S AMBER MC020 S BLUE MC020 S GREEN MC020 S NW MC020 S RED MC020 S WW	144
	GL019 SQ F BLUE GL019 SQ F NW GL019 SQ F WW	117		GL063	106		MC025 S NW	143
	GL019 SQ S BLUE GL019 SQ S NW	117		GL064	106		MC040 NW MC040 WW	134
	GL019 S T BLUE GL019 S T NW GL019 S T WW	118		GL07D24X30 GL07D38X30 GL07D60X30 GL07D24X40 GL07D38X40 GL07D60X40	104		MC050 NW MC050 WW	134
	GL019 S TK BLUE GL019 S TK NW	119		GL08D24X30 GL08D38X30 GL08D60X30 GL08D24X40 GL08D38X40 GL08D60X40	103		MF02 IP AMBER MF02 IP BLUE MF02 IP GREEN MF02 IP NW MF02 IP RED MF02 IP WW	146
	GL021 BLUE GL021 NW GL021 WW	114		GL09D24X30 GL09D38X30 GL09D60X30 GL09D24X40 GL09D38X40 GL09D60X40	102		ML01 AMBER ML01 BLUE ML01 GREEN ML01 NW ML01 RED ML01 WW	148
	GL022 BLUE GL022 NW GL022 WW	114		GL090 F BL GL090 F NW GL090 F WW	108		ML02 AMBER ML02 BLUE ML02 GREEN ML02 NW ML02 RED ML02 WW	149
	GL038A F BL GL038A F NW GL038A F WW	107		GL090 S BL GL090 S NW GL090 S WW	108		ML03 AMBER ML03 BLUE ML03 GREEN ML03 NW ML03 RED ML03 WW	150
	GL040 F NW GL040 F WW	109		TUBE/33 TUBE/50 TUBE/68	124		MS02 IP AMBER MS02 IP BLUE MS02 IP GREEN MS02 IP NW MS02 IP RED MS02 IP WW	147
	GL040 S NW GL040 S WW	109	WALL LIGHTS				OCTOLEDNW OCTOLEDWW	136
	GL041 F NW GL041 F WW	110		GL034A NW GL034A WW	129		WB/M 01	153



	WB/M 02	153		WL170A NW WL170A WW	132		WL340NW WL340WW	130
	WB/M 02/30 DEGREE	153		WL175A NW WL175A WW	133		WL341NW WL341WW	131
	WB/M BOX	154		WL220A F NW WL220A F WW	139		WL342NW WL342WW	131
	WL020A BLK F NW WL020A BLK F WW	139		WL220A MAINS F NW WL220A MAINS F WW	138		WL370A NW WL370A WW	132
	WL020A BLK S NW WL020A BLK S WW	139		WL220A MAINS S NW WL220A MAINS S WW	138		WL80GX0X30 WL80GX0X40	141
	WL041 IP AMBER WL041 IP BLUE WL041 IP NW WL041 IP WW	140		WL220A S NW WL220A S WW	139		WL92KC1E30 WL92KC1E40 WL92KC1X30 WL92KC1X40	151
	WL050 BLUE WL050 NW WL050 WW	142		WL240A F NW WL240A F WW	137		WL92KC1S30 WL92KC1S40 WL92KC1SE30 WL92KC1SE40	152
	WL050 WALL BOX	154		WL261FNW WL261FWW	128	NEW TO EDITION 23		
	WL060 NW WL060 WW	135		WL261SNW WL261SWW	128	<b>STRIP LIGHTS</b>		
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							C07MB	163


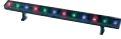



























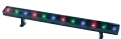



STRIP LIGHTS		
	CON EXT M/F 6X12 CON FEMALE 6X12 CON MALE 6X12	161
	CONNECTOR 6X12 CONNECTOR 6X12 5M	161
	CONNECTOR L 6X12	161
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	LINE PROF FIX CLIP	164
	LINE PROFILE 20MM 1M	164
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	LSC4327XXX LSC4330XXX LSC4340XXX	171
	LSC4527XXX LSC4530XXX LSC4540XXX	172
	LSFC8 LSFCD8 LSFCS8	160
	LSFC12 LSFCD12 LSFCS12	160
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	LSV0327050 LSV0330050 LSV0340050 LSV0327XXX LSV0330XXX LSV0340XXX	165
	LSV4227050 LSV4230050 LSV4240050	168
	LSV4327XXX LSV4330XXX LSV4340XXX	167
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STRIP LIGHTS		RETAIL RANGE		RETAIL RANGE				
	SM7ECB	162		RDSSBLK2030 RDSSBLK2040 RDSSBLK5030 RDSSBLK5040	190		SQSMBLK2030 SQSMBLK2040 SQSMBLK7030 SQSMBLK7040	189
	SM7LC	162		RDSSSIL2030 RDSSSIL2040 RDSSSIL5030 RDSSSIL5040	190		SQSMSIL2030 SQSMSIL2040 SQSMSIL7030 SQSMSIL7040	189
	SM7MB	162		RDSSWH2030 RDSSWH2040 RDSSWH5030 RDSSWH5040	190		SQSMWH2030 SQSMWH2040 SQSMWH7030 SQSMWH7040	189
	SPBLK2M	164		RHCL RHCM RHCS	185		SQSSBLK2030 SQSSBLK2040 SQSSBLK5030 SQSSBLK5040	191
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ML02 RED.....	149	RB359BS.....	68	RP7020.....	162	SP4R3.....	180
ML02 WW.....	149	RB359CR.....	68	RP7ECA.....	162	SPBLK2M.....	164
ML03 AMBER.....	150	RB359MW.....	68	RP7ECB.....	162	SPR62.....	180
ML03 BLUE.....	150	RB359PG.....	68	SKB11R1.....	181	SPR63.....	180
ML03 GREEN.....	150	RB359SIL.....	68	SKB11R2.....	181	SPSIL2M.....	164
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ML03 RED.....	150	RB442BS.....	73	SKB11T1.....	181	SPW12.....	180
ML03 WW.....	150	RB442CR.....	73	SKB11T2.....	181	SPW13.....	180
MS02 IP AMBER.....	147	RB442MW.....	73	SKB11T3.....	181	SQB360BLK.....	68
MS02 IP BLUE.....	147	RB442WH.....	73	SKB121.....	181	SQB360CR.....	68
MS02 IP GREEN.....	147	RC2819.....	236	SKB122.....	181	SQB360MW.....	68
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MS02 IP RED.....	147	RDSLBLK2040.....	186	SL020A BLK F 27.....	220	SQB360SIL.....	68
MS02 IP WW.....	147	RDSLBLK7030.....	186	SL020A BLK F NW.....	220	SQSLBLK2030.....	187
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OCTOLEDWW.....	136	RDSLSIL2030.....	186	SL020A BLK S 27.....	220	SQSLBLK7030.....	187
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SQSMBLK7030	189	TUBE/33	124	WL140A F NW	137	XTS232	180
SQSMBLK7040	189	TUBE/50	124	WL140A F WW	137	XTS233	180
SQSMSIL2030	189	TUBE/68	124	WL160 NW	135	XTS241	180
SQSMSIL2040	189	UL010 BL	210	WL160 WW	135	XTS242	180
SQSMSIL7030	189	UL010 NW	210	WL170A NW	132	XTS243	180
SQSMSIL7040	189	UL010RGBW	255	WL170A WW	132	XTS341	181
SQSMWH2030	189	UL010 WW	210	WL175A NW	133	XTS342	181
SQSMWH2040	189	UL030 BL	209	WL175A WW	133	XTS343	181
SQSMWH7030	189	UL030 NW	209	WL220A F NW	139	XTS351	181
SQSMWH7040	189	UL030RGBW	254	WL220A F WW	139	XTS352	181
SQSSBLK2030	191	UL030 WW	209	WL220A MAINS F NW	138	XTS353	181
SQSSBLK2040	191	UL345CARGB	251	WL220A MAINS F WW	138	XTS361	181
SQSSBLK5030	191	UL346CARGB	252	WL220A MAINS S NW	138	XTS362	181
SQSSBLK5040	191	UL347CARGB	253	WL220A MAINS S WW	138	XTS363	181
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SQSSSIL2040	191	ULM345M30	203	WL220A S WW	139	XTS372	180
SQSSSIL5030	191	ULM345M40	203	WL220CARGB	250	XTS373	180
SQSSSIL5040	191	ULM346M30	204	WL240A F NW	137	XTS381	180
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SQSSWH2040	191	ULM347M30	205	WL261FNW	128	XTS383	180
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TLWH7040	182	WC2820BLK	236	WL341NW	131	XTS42002	180
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TSSIL2030	184	WL060 NW	135	XTS113	180		
TSSIL2040	184	WL060 WW	135	XTS141	180		
TSSIL5030	184	WL070A NW	132	XTS142	180		
TSSIL5040	184	WL070A WW	132	XTS143	180		
TSWH2030	184	WL070RGBW	248	XTS211	180		
TSWH2040	184	WL075A NW	133	XTS212	180		
TSWH5030	184	WL075A WW	133	XTS213	180		







## 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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Published February 2018



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