





E D I T I O N 2 4











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 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 ±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

Material within this catalogue may not be used, sold, licensed, copied or reproduced in whole or in part or in any manner of form or otherwise without the written consent of Collingwood Lighting Limited. The products shown are protected by various intellectual property rights including Community Registered Design and UK and Community Unregistered Designs.

Any copying, hiring, lending, public performance, diffusion, transmission and/or broadcast of this catalogue or any part thereof is strictly prohibited and may give rise to civil liabilities and criminal prosecution.





## **CONTENTS**

AN INTRODUCTION TO COLLINGWOOD	2
NEW PRODUCTS	4
ICONS	10
COLLINGWOOD DRIVERS	11
PICTORIAL CONTENTS	12
INSPIRATION	
Hospitality	20
Residential	35
Public Places	55
Retail	58
DOWNLIGHTS	60
GROUND LIGHTS	104
GROUND LIGHTS	104
WALL LIGHTS	132
STRIP LIGHTS	162
RETAIL RANGE	192
UNIVERSAL LIGHTS	208
SPIKE LIGHTS	232
BOLLARDS	240
BOLLANDS	240
COLOUR CHANGE LIGHTS	248
WIRING & DRIVERS	280
EXPLANATION OF TERMS	
INFORMATION	
PRODUCT RANGE INDEX	
ALPHABETICAL INDEX	317

# 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

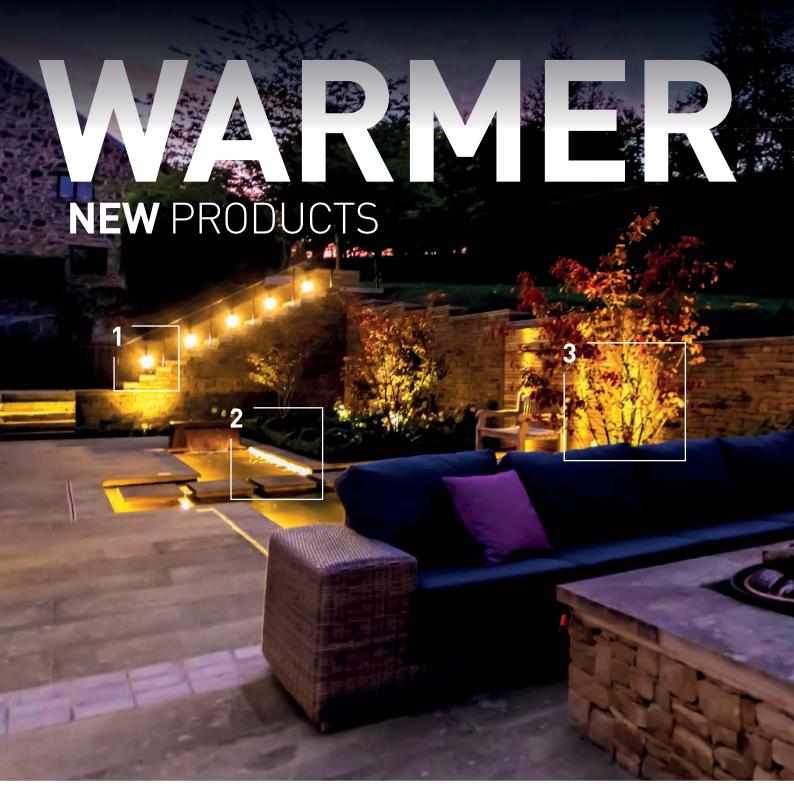
Produce a fit for purpose, high performance, fire-rated LED downlight

Produce a mains dimmable LED downlight

Produce an LED downlight that complies with all building regulations

Produce a fire, acoustic and moisturerated 360° eyeball style downlight

Offer a 7-year extended warranty



2700 Kelvin warm colour products used to make this environment...



## **Step Lights**

Make a feature of functional stairway illumination with high-quality step lights.



## **IP68 LED Strip**

Perfect for highlighting water features and can even go under water.



## **Spike Lights**

Uplighting shrubbery & trees in a warm glow adds an interesting backdrop to a landscape.



**Wall Lights** 

Turn walls into features with our range of decorative wall lights.



#### Also available in 2700 Kelvin...



#### **Bollards**

Bathe pathways and walkways in a warm light with solid iroko wood bollards.



## IP rotatable spot

Rotatable spots can highlight features in any direction and can even go under water.



## **Ground Lights**

Our ground lights range offers everything from high powered to low powered and low glare.



## **Marker Lights**

Add class by matching your lights to the colour temperature of the rest of your installation.

#### **DOWNLIGHTS**

#### Expanding the colour switchable range

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. These two new colour switchable downlights give you the choice of wall controlled downlights, or using a switch under the bezel.

Under the bezel colour switchable

H2 Lite 500 CSP

Colour switchable, dimmable, fire-rated

LED downlight with integrated push-fit

terminal connector

CS

540 lumens

## H2 Lite 500 **CSW**

Wall controlled colour switchable

Scene setting wall controlled, colour switchable, dimmable, fire-rated LED downlight complete with bezel and terminal connector













## H2 Lite **500**

Single point source, dimmable, fire-rated LED downlight complete with bezel and terminal connector

Single point source



500 lumens









Page **66** 







#### 3000K



4000K



6000K / 6500K





#### **BULKHEADS**

### Safety and security first

Our first LED bulkhead to combine emergency lighting and a microwave sensor. The new WL92 bulkhead has all the energy saving and security benefits of a microwave sensor as well as providing emergency lighting.

#### Emergency lighting bulkhead with microwave sensor

## WL92

Straight to mains, general purpose LED bulkhead with microwave sensor and emergency lighting













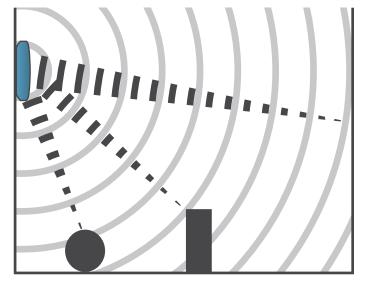
Page **161** 

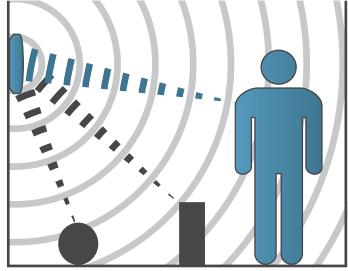


#### How does the microwave sensor work?

Microwave sensors send out microwave pulses, these bounce off 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.





#### **LANDSCAPE**

#### Discreet and stylish landscape lighting

The introduction of new baffled ground lights, frosted lens ground lights, and low-glare spike and wall light accessories gives a brand-new versatility to our landscape lighting range. Use these products to create stunning low-glare illumination from the highest quality fittings and accessories.

#### Low glare baffled ground lights

#### GL019 Baffled

1W mini LED ground light



78 lumens







Page **121** 

215 lumens



3W LED ground light



GL040 Baffled





Page **114** 



#### Marker lights

### GL019 Frosted

Frosted 1W Mini LED Ground Light / Marker light



13 lumens







Page **123** 



Frosted 1W LED Ground Light / Marker light









15 lumens

Page **119** 







#### Low glare hood

## **GH**220

Simple hood to reduce glare whilst maintaining a good light distribution



Page **238** 





#### Low glare snoot for moonlighting effect

## **GS**220

Stylish, baffle-style snoot, perfect for creating a moonlighting effect



Page **238** 





#### **LED STRIP**

### The perfect solution for any installation

With a choice of primary and secondary wattage lighting that's available in IP20, IP44 and IP68, our new LED strip range has an option that's perfect for any installation. All of the new LED strip range is available in 2700K, 3000K, 4000K and 6500K.









































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

ICON

DESCRIPTION



#### WATTAGE

Energy consumed by unit

#### DESCRIPTION



ICON

#### **TILT ANGLE**

The angle in which the light can be tilted



ICON

## DESCRIPTION





#### STRAIGHT TO MAINS

Powered by the mains



#### **ROTATION ANGLE**

The angle in which the light can be rotated



## PUSH-FIT TERMINAL CONNECTOR

Available with push-fit terminal connector



#### LIFE OF LED

The expected LED lifetime



#### **FLICKER FREE**

Product has no visible flicker



#### **EMERGENCY PACK**

Pre-wired emergency pack option available



#### **DIMMABLE**

Product is mains dimmable



#### **WALK OVER**

Product can withstand the pressure of being stepped on



#### **RGB**

1. RGB product

2. There is an RGB option available



#### **DIM TO WARM**

available

Dim to warm product
 There is a dim to warm option



#### **DRIVE OVER**

Product can withstand the pressure of being driven over



#### **RGBW**

- 1. Contains an additional white LED as well as RGB
- 2. There is an RGBW option available



#### **BEAM ANGLE**

Angle of light distributed



#### MICROWAVE SENSOR

Product uses a microwave sensor to detect movement



### COLOUR SWITCHABLE

Colour temperature can be switched between 3000K, 4000K and 6500K



#### **UGR**

Unified Glare Rating



#### PIR SENSOR

Product uses a PIR sensor to detect movement



#### COLOUR BINNING

Product is SDCM



#### **IP RATING**

Level of sealing effectiveness, measured against dust and liquid



#### **FACE TEMPERATURE**

Max operating temperature of the product



#### **GUARANTEE**

Length of the product guarantee



#### **IK RATING**

Level of impact protection



#### **AMBIENT TEMPERATURE**

The maximum temperature of the environment the product can be installed into



#### **EXTENDED WARRANTY**

3-year extended warranty available (1-year quarantee as standard)



#### **ROLLED INSULATION**

Rolled insulation can be placed directly over product



#### **BESPOKE LENGTHS**

LED strip can be cut to bespoke lengths (at cut points)



#### **EXTENDED WARRANTY**

4-year extended warranty available (1-year quarantee as standard)



#### **ALL INSULATION**

All insulation types can be placed directly over product



#### **SELF-ADHESIVE BACKING**

LED strip has self-adhesive backing



#### **EXTENDED WARRANTY**

5-year extended warranty available (1-year guarantee as standard)



#### **BATHROOM ZONE**

The bathroom zone into which the product can be installed



#### WEIGHT

The weight of the product



#### **EXTENDED WARRANTY**

7-year extended warranty available (1-year guarantee as standard)

## **DRIVING PERFORMANCE**

Optimise performance with Collingwood drivers



## 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 it's 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 it's compatible products. Alternatively when planning an installation speak to our team who'll be happy to advise a complete driver solution.

## **CONTENTS**





### DOWNLIGHTS Page 60



H2 LITE Page 65



H2 LITE 500



H2 LITE 500 CSW



H2 LITE 500 CSP Page 68



H2 PRO 550 / T



**H2 PR0 550 SPS** Page 70



H2 PRO 550 CS Page 71



**H2 PR0 700** Page 72



H2 PRO DUSK



**H2 PR0 ELECT** Page 74



H2 PRO ELECT TRIMLESS Page 75



**H4 PR0 550** Page 77



**H4 PR0 550 SPS** Page 78



**H4 PR0 700** Page 79



**H4 PR0 ELECT** Page 80



**H5 TRIMLESS** Page 82



H5 500 SYMMETRIC Page 83



H5 500 ASYMMETRIC Page 84



H5 1000 SYMMETRIC Page 85



H5 1000 ASYMMETRIC Page 86



**H6 LITE** Page 87



DM298GRID/ DM298FP Page 89



**DL201** Page 94



DL SURFACE Page 95



DL PENDANT Page 96



**DL120** Page 97



**DL130** Page 97



FIBRE LED LIGHT Page 98



FIBRE LED Page 99



RL111 20° / 40° Page 100



DM01 Page 102



**DM02** Page 102

### **GROUND** LIGHTS



GL09 Page 106



GL08 Page 107



**GL07** Page 108



GL007 FROSTED Page 109



**GL063** Page 110



**GL064** Page 110



Page 104

GL038A Page 111

GROUND LIGHTS Page 104



**GL090** Page 112



**GL040** Page 113



GL040 BAFFLED Page 114



**GL041** Page 115



**GL050** Page 116



**GL051** Page 116



**GL016** Page 117-118



GL016 FROSTED Page 119



**GL019** Page 120-126



**GL019 BAFFLED** Page 121



GL019 LG Page 122



GL019 FROSTED Page 123



**GL018** Page 127-130

### WALL LIGHTS Page 132



**WL339** Page 134



**WL340** Page 134



**WL341** Page 135



**WL342** Page 135



GL034A Page 136



**GL021** Page 137



**GL022** Page 137



WL070A / 170A / 370A Page 138



**WL075A / WL175A** Page 139



**MC040** Page 140



**MC050** Page 140



WL060 / WL160 Page 141



OCTOLED Page 142



WL140A F / WL240A F Page 143



WL220A MAINS Page 144



WL220A / WL020ABLK / WL320A Page 145



WL041IP Page 146



WL80 Page 147



**WL050** Page 148



MC020 S Page 150



MC010 S Page 151



MC025 S Page 152



MC015 S Page 152



MF02 IP / MS02 IP Page 153-154



ML01 Page 156



**ML02** Page 157



ML03 Page 158



**WL261 / 262** Page 159

WALL LIGHTS Page 132



**WL92** Page 160



**WL92 SENSOR** Page 161

#### **STRIP** LIGHTS



Profiles & accessories
Page 168-173



LSV02 Page 174



LSV05 Page 175



LSV04 Page 176



LSV06 Page 177



LSV42 Page 178



Page **162** 

LSV45 Page 179



LSV44 Page 180



LSV46 Page 181



LSV82 Page 182



LSV85 Page 183



LSV84 Page 184



LSV86 Page 185



Page **192** 

LSC03 Page 186



LSC43 Page 187



LSC45 Page 188



LSC83 Page 189



LEDSTRIP IP Page 190

#### **RETAIL** RANGE



**TRACK COMPONENTS** Page 196-197



**TRACK LIGHTING** Page 198-200



**ROUND RECESSED** Page 202-206



SQUARE RECESSED Page 203-207

UNIVERSAL LIGHTS Page 208



FL01 Page 210



FL02 Page 211



FL03 Page 212



FL05 Page 213



FL10 Page 214



FL200 Page 215



**LEDLINE 400** Page 216-218



LEDLINE MAINS 400 Page 219-221



LEDLINE MAINS 200 Page 222-224



**UL030** Page 225



**UL010** Page 226



LED LYTE SURFACE



LED LYTE IP Page 228



LED LYTE IP T Page 229



LED LYTE
Page 230

## SPIKE LIGHTS Page 232



SL220A MAINS Page 234



SL220A / SL020A BLK / SL320A Page 235



SL040A Page 236



**SL030** Page 237



**SL130** Page 237



GH220 H00D Page 238



GS220 SN00T Page 238

Page **240** 

#### **BOLLARDS**



**BOL LED MAINS** Page 242



BOL LED 1 Page 243



**BOL255** Page 245



**BOL256** Page 246

COLOUR CHANGE Page 248



WC2820BLK Page 252



WC2820WH Page 252



**RC2819** Page 252



COLLINGWOOD RGBW Page 253



**TR2818** Page 253



**PR3011** Page 254



PR3002 Page 255



C100924 Page 256



DMX2102 Page 257



GL007RGBW Page 258



GL008RGBW Page 259



GL090RGBW Page 260



GL040CARGB Page 261



GL050RGBW Page 262



GL016RGBW Page 263



WL070RGBW Page 264



WL075CARGB Page 265



WL220CARGB / WL021CARGB Page 266



UL345CARGB Page 267



UL346CARGB Page 268



UL347CARGB Page 269



UL030RGBW Page 270



UL010RGBW Page 271



DL329RGBW Page 272



LL090RGBW Page 273



LL030CARGB Page 274



SL220CARGB / SL021CARGB Page 275



LSR05 Page 276

INTERFACES Page 280



**HAL 104** Page 288



PDCINT1-10V Page 288

## WIRING & DRIVERS Page 280



**PLDM35020** Page 290



**PSMD35039** Page 290



**PSMD3501324** Page 290



PSDAL350M Page 290



PSDIM350 Page 290



PLD UNI-DRIVE 350MA Page 290



PSDIN350M Page 290

WIRING & DRIVERS Page 280



**PLDCC/350 10-28** Page 290



PLDM/700 3 Page 290



**PSMD700610** Page 290



**PSMD70024** Page 292



**PLDM70011** Page 292



PSDAL700M Page 292



PSDIM700 Page 292



PLD UNI-DRIVE 700MA



PSDIN700M Page 292



**PLDCC/700 12-24** Page 292



PSDIM900 Page 292



PSDAL900M Page 292



**PLR/350/1-5** Page 290



**PLU/350** Page 290



PLU/700 3-9



**PL/IP/350** Page 292



**PL/IP/700** Page 292



**PS1524** Page 294



**PS3024** Page 294



**PS5024** Page 294



Page **296** 

**PS10024** Page 294



**PSIP15024** Page 294



**PSIP25024** Page 294



PSMDIP10024 Page 294



PSDIP6024 Page 294



**PSDIP10024** Page 294



PSDAL20024 Page 294

### ACCESSORIES



JUNCTION BOXES Page 296-297



**1-10V DIMMER** Page 296



CABLES Page 297

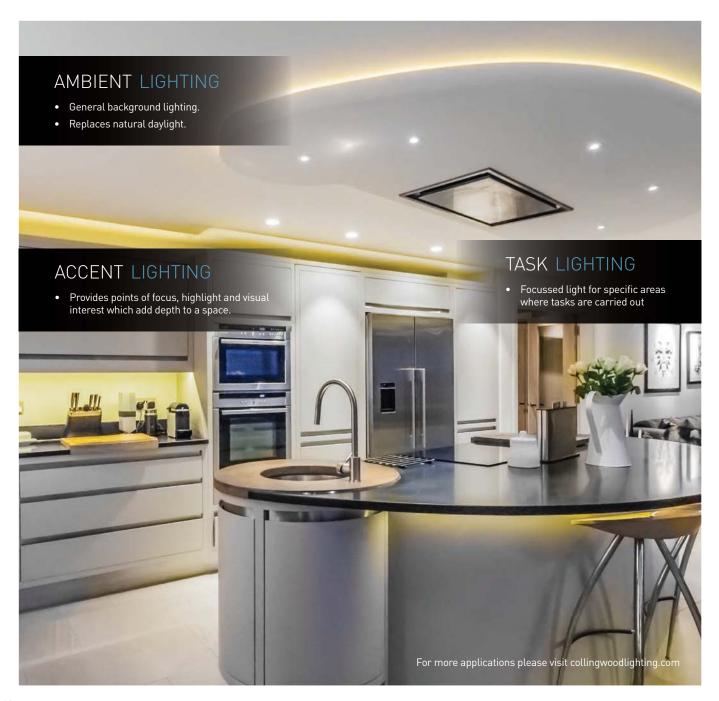
## LAYERING LIGHT

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.





## LIGHTING DESIGN SERVICE



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.

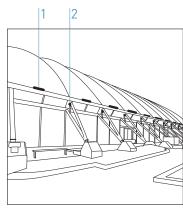






1. Page 268

2. Page 270 UL346CARGB UL030RGBW







1. Page 140 MC050 Add to this look...

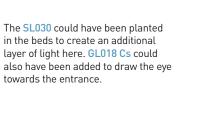


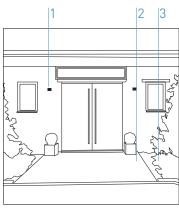
Page 237
 SL030



3. Page 127

GL018 C



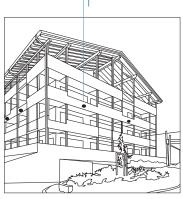






1. Page 139

WL075A







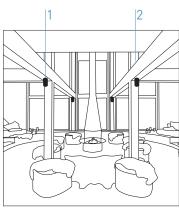
1. Page 95
DLSURFACE

Add to this look...



Highlighting of the timber structure could be achieved with UL030.

2. Page 225 UL030













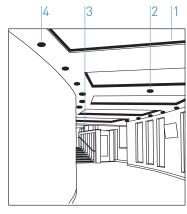
H6 LITE



3. Page 188 LSC45



Page 84 H5 500 ASYM











2. Page 146 WL041 IP

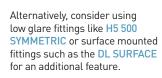
Add to this look...

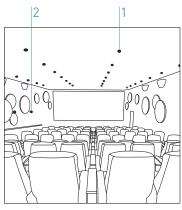


Page 83
 H5 500 SYM



1. Page 95
DL SURFACE













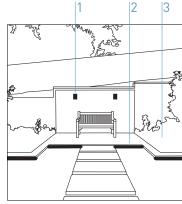
2. Page 190 LEDSTRIP IP

Add to this look...



3. Page 237 SL030

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





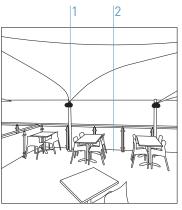


1. Page 225 UL030 Add to this look...



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

2. Page 127 GL018 C











GL050



3. Page 190 LEDSTRIP IP

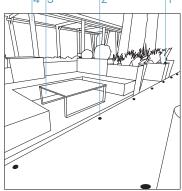
Add to this look...



WL075A

Page 139

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













2. Page 190

LEDSTRIP IP



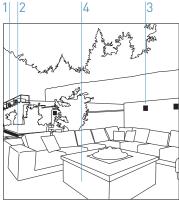
Page 138 WL370A

Add to this look...



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.

4. Page 135 WL341



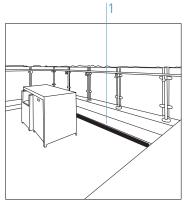




Keeping it simple is sometimes the best option. By avoiding mid-level lighting in this installation, the view of the city really stands out.

1. Page 189

LSC83



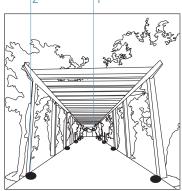






1. Page 138 2. Page 111 WL070A

GL038A





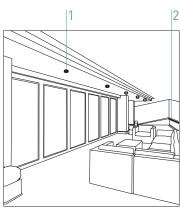




To find out how you can recreate the interior lighting see Page 47.

1. Page 113 GL040









Page 83
 H5 500 SYM

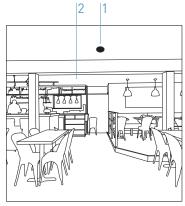
Add to this look...





Dark spots, such as the chest, could be lit with the DM02 + DH02WH.











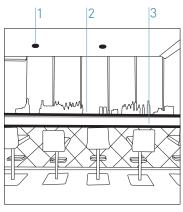


Page 82
 H5 TRIMLESS

2. Page 276 LSR05

76

3. Page 187 LSC43













1. Page 69 H2 PR0 550

GL019 S

2. Page 120 3. Page 83 4. Page 190 H5 500 SYM

LEDSTRIP IP









1. Page 69

H2 PR0 550

Page 190LEDSTRIP IP

Add to this look...



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





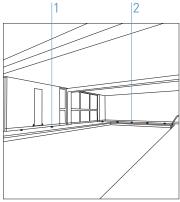


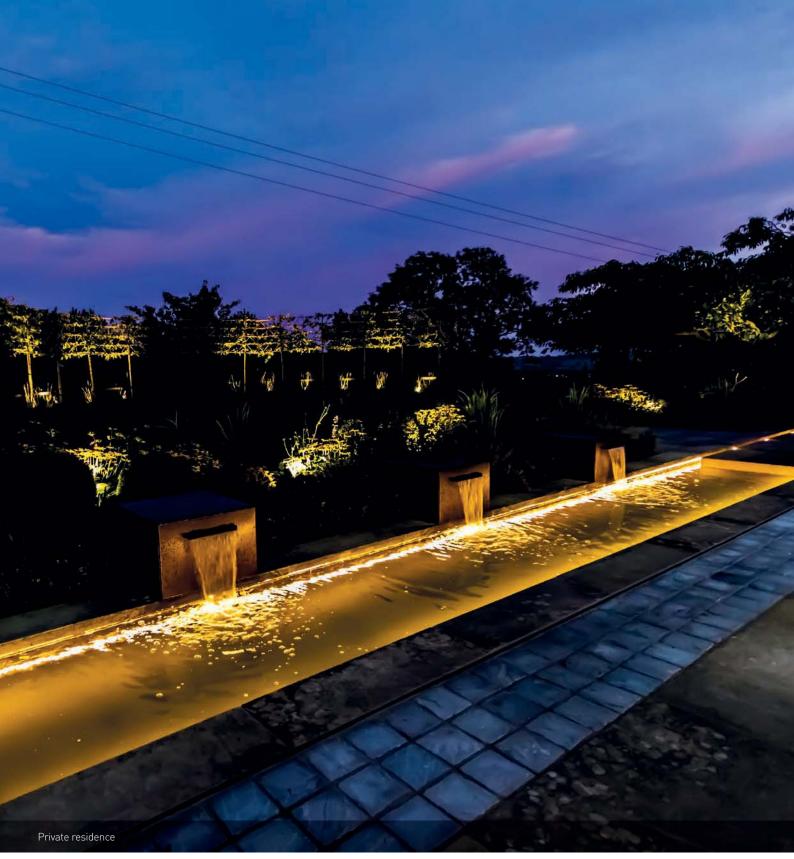




1. Page 120 2 GL019 S G

2. Page 262 GL050RGBW











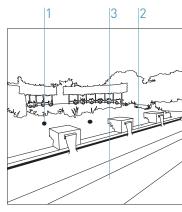
Page 190LEDSTRIP IP

Add to this look...



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









1. Page 113 GL040 Add to this look...

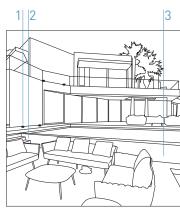






3. Page 243BOL LED 1

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.















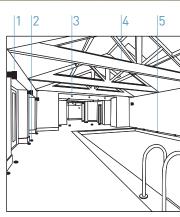
WL070A

GL040

1. Page 138 2. Page 113 3. Page 69 4. Page 187 H2 PRO 550

LSC43

5. Page 117 GL016 F









1. Page 120 GL019 S

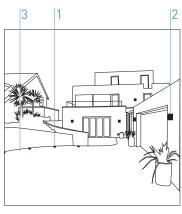
Page 138
 WL070A

Add to this look...



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

Page 134
 WL340











2. Page 138 WL170A

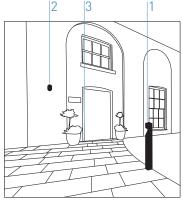
Add to this look...



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









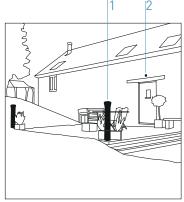




1. Page 245

BOL255

WL075A









Page 69 H2 PRO 550

2. Page 120 GL019 S

Add to this look...





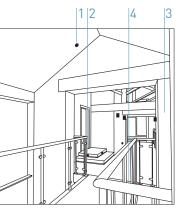
Page 138 WL070A



Page 127 GL018 C

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.

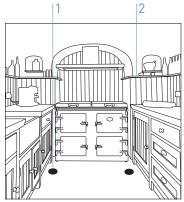








1. Page 134 2. P WL340 LSV42











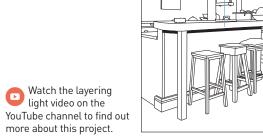
2. Page 174 LSV42



3. Page 156 ML01



4. Page 77 H4 PR0 550





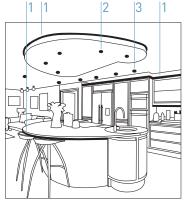






1. Page 187 LSC43 Page 65H2 LITE

3. Page 83H5 500 SYM





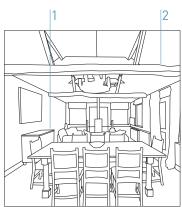




1. Page 120

GL019 S

2. Page 145 WL220A







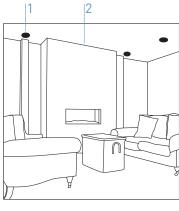
Page 83
 H5 500 SYM

Add to this look...



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

2. Page 120 GL019 S



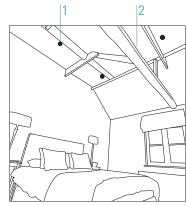






1. Page 83 H5 500 SYM

LSV02









Page 69

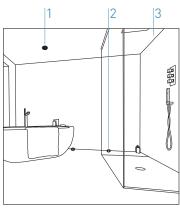
2. Page 116 H2 PRO 550 GL050

Add to this look...



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

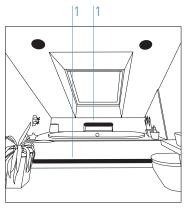
3. Page 120 GL019 F







1. Page 190 LEDSTRIP IP

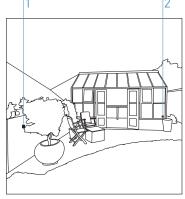








1. Page 150 2. Page 226 MC020 S UL010











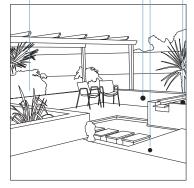
1. Page 116 GL050

UL030

2. Page 225

3. Page 23

SL220A





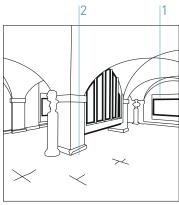


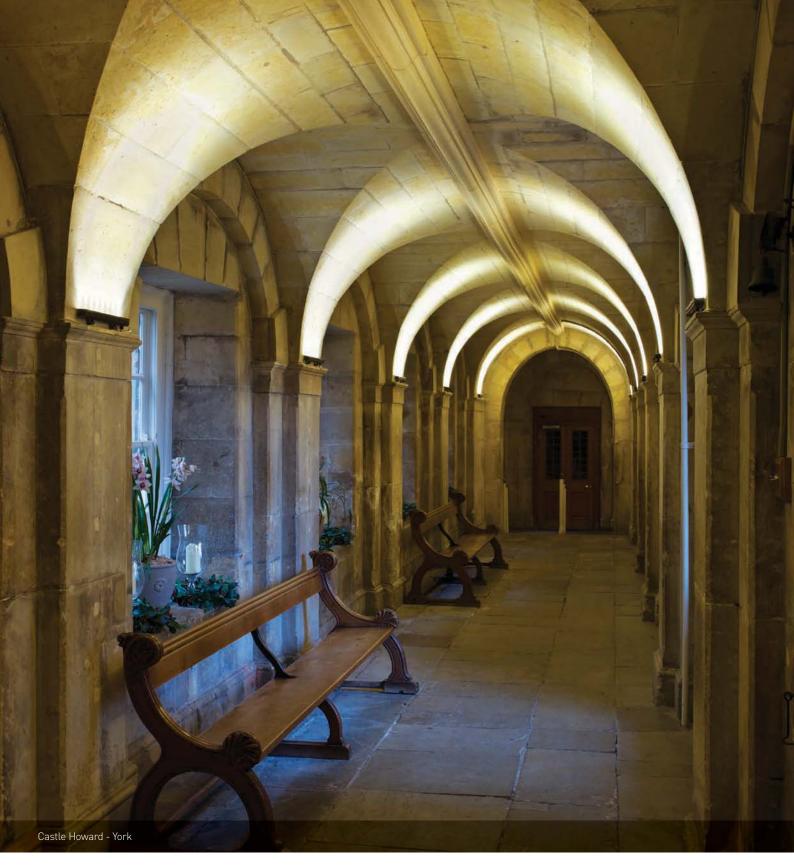
1. Page 174 LSV02 Add to this look...



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

Page 117
 GL016 F





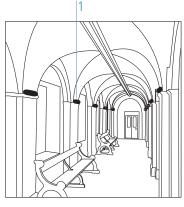


1. Page 218 LEDLINE 400 45 Add to this look...



For a straight to mains option use LEDLINE MAINS















1. Page 218 LEDLINE 400 45

Page 217

**LEDLINE 400 25X6** GL090

3. Page 112 4. Page 107

GL08

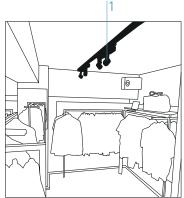




Our retail range offers total flexibility for lighting your retail store. Our range features LUXEON CrispWhite Technology on our 3000K option, to make colours pop and whites come alive.

1. Page 199

TMWH2030







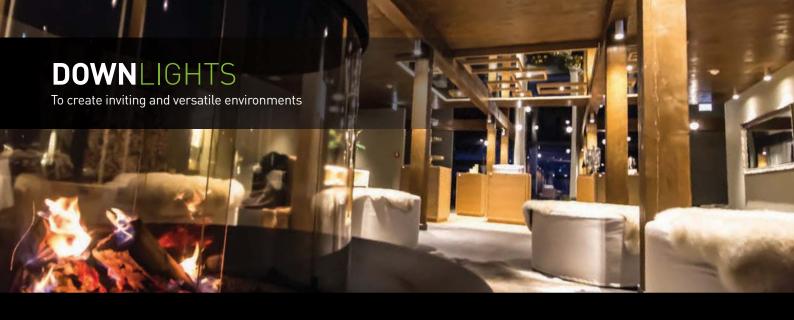
1. Page 199 2. Page 200

TMWH7030

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.





## **COLOUR** SWITCHABLE

We provide two colour switchable options that can easily be switched between three colour temperatures without any additional wiring.

Our CSP product easily switches using a switch under the bezel. Our CSW product easily switches using a standard wall switch or dimmer.



This symbol indicates that the product is colour switchable

#### 3000K



4000K



6000K / 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 6000K / 6500K, 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



6000K / 6500K



#### **INSULATION** COVERABLE

 $\label{thm:many:equation} \mbox{Many of our downlights are now insulation coverable for even faster and easier installation.}$ 



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 colour temperature transitions to a warmer colour 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.



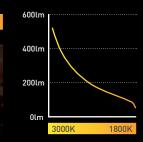
This symbol indicates that the product is available in dim to warm







1800K (25% intensit



## **SINGLE POINT SOURCE vs TRI-LED**



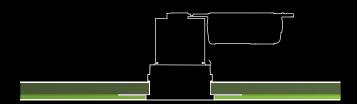
Choose a single point source lens for a symmetrical design that replicates the look and feel of a traditional halogen lamp.



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.



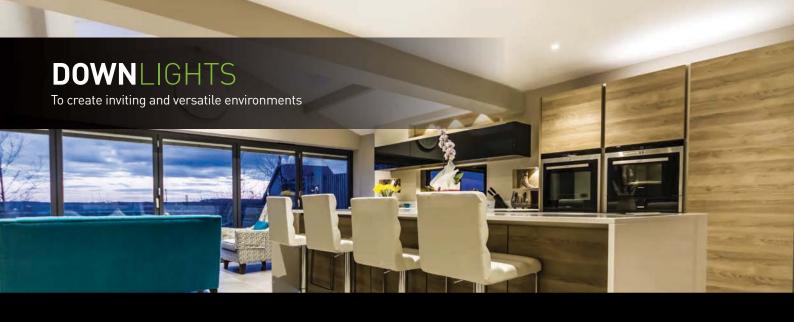
## **EFFICACY**

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.

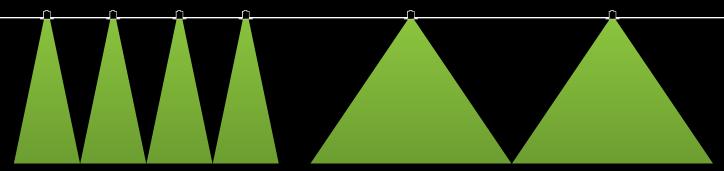


This symbol indicates that the product has an efficacy of 100lm/W or higher



#### **BEAM** ANGLES

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



#### **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.



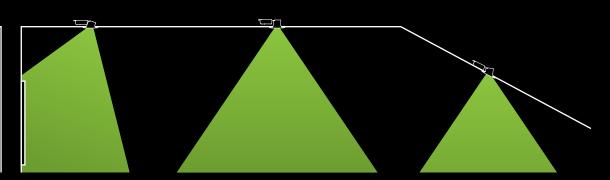




To find out more about both the Decorator Box and terminal connector, check out our video at youtube.com/collingwoodlighting or call 01604 495 151

#### **ADJUSTABLE FITTINGS**

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





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



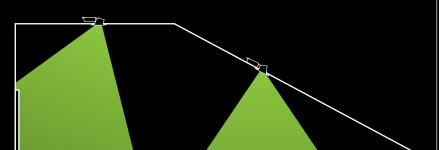
IP65

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

#### **SYMMETRIC vs** ASYMMETRIC

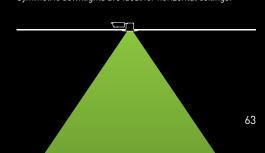
#### **Asymmetric**

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



#### **Symmetric**

Symmetric downlights are ideal for horizontal ceilings.



# **CUT-OUT SIZE GUIDE**

## FOR YOUR DOWNLIGHTS

Use the guide below to determine the recommended cut-out size for each Collingwood downlight.

For retro-fitting varied sizes, view our converter plate range on page 88

















H2 Lite T
Dimmable, fire-rated LED downlight complete with bezel and terminal connector



















* IP65 (front) / IP20 (back)   * Ce	ng only   Patent information: collingwoodlighting.com/patent
PHOTOMETRICS (8 25°C	

PHOTOMETRICS @25°C										
Colour	$\triangle$	Finish	Product code	CRI	lm	lm/W	lx at 1m			
<b>4000K</b>	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 / VO rated plastic insulation protector built in
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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
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	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89

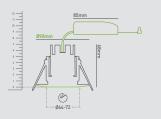


## FEATURES & BENEFITS

- > 100lm/W+
- > Insulation coverable
- ) Only 4.4W
- > Uses single point source technology to replicate traditional halogen look
- ) Mains dimmable
- > Compact integral driver for easy installation
- > Push-fit terminal connector included
- > LED downlight complete with bezel for a straightforward fit













**H2 Lite 500**Single point source, dimmable, fire-rated LED downlight complete with bezel and terminal connector

















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

PHOTOMETRICS @ 25°C									
Colour	A	Finish	Product code	CRI	lm	lm/W	lx at 1m		
<b>4000K</b>	60°	B / steel	DLT469BS6040	>80Ra	500	100	460		
	60°	Matt white	DLT469MW6040	>80Ra	500	100	460		
3000K	60°	B / steel	DLT469BS6030	>80Ra	500	100	460		
	60°	Matt white	DLT469MW6030	>80Ra	500	100	460		

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 / VO rated plastic insulation protector built in
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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

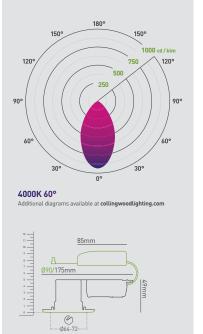
LED DRIVERS								
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone			
N/A (integrated SELV driver)	220-240V	-	>0.85	Yes (mains)	1 (ceiling only)			

ACCESSORIES		
Product code	Description	
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89



### FEATURES & **BENEFITS**

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













H2 Lite 500 CSW

Wall controlled, colour switchable, dimmable, fire-rated LED downlight complete with bezel and terminal connector



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

(IP65)





















PHOTOMETRICS ® 25°C									
Cold	our	$\triangle$	Finish	Product code	CRI	lm	lm/W	lx at 1m	
	6500K‡	65°	B / steel	1	>80Ra	510	80	414	
	4000K‡	65°	B / steel	- DLT470BS6500	>80Ra	510	80	414	
	3000K‡	65°	B / steel		>80Ra	490	77	397	
	6500K‡	65°	Matt white	1	>80Ra	510	80	414	
	4000K‡	65°	Matt white	- DLT470MW6500	>80Ra	510	80	414	
	3000K‡	65°	Matt white		>80Ra	490	77	397	

 ${}^{\ddagger}\text{CCT}$  is chosen by switching wall dimmer / switch

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 / VO rated plastic insulation protector built in
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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
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)

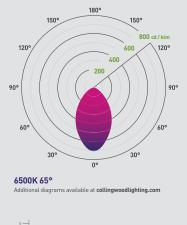
ACCESSORIES		
Product code	Description	
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89

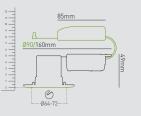


## FEATURES & **BENEFITS**

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











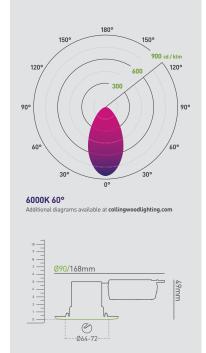


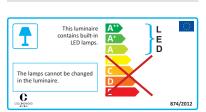
# COLLINGWOOD LIGHTING

## FEATURES & **BENEFITS**

- > 3 colour temperatures in one product
- Easily choose CCT via a switch under the product bezel
- High efficacy of up to 86lm/W
- ) Only 6.4W
- > Mains dimmable
- > Integrated loop in, loop out, push-fit terminal connector included
- > Flexible driver position for easy installation
- > Compatible with rolled insulation







# **H2 Lite 500 CSP**Colour switchable, dimmable, fire-rated LED downlight with integrated push-fit terminal connector



(IP65)

















\* IP65 (front) / IP20 (back) | † Ceiling only | Patent information:  ${\bf collingwoodlighting.co}$ 

PHO	TOMETRICS	a 25°C							
Colo	ur	A	Pro	oduct code	CR	lm	lm/W	lx at 1m	
	6000K‡	60°	1		>80	Ra 55	0 86	466	
	4000K‡	60°	DL	T4566000	>80	Ra 54	0 84	458	
	3000K‡	60°			>80	Ra 52	5 82	445	

Duilding regulations				Dont D (fine prete	tion) Classistum anata	otion) F (o	anuntia muntantia	)	
GENERAL									
							‡CCT is chosen by a	switch under the product be	
	3000K‡	60°	J		>80Ra	525	82	445	
	4000K‡	60°	+	DLT4566000	>80Ra	540	84	458	
	000011	00			>001\ta	330	00	400	

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 heatsink
Flicker free	Yes
Inrush current	2.2A 0.02ms
Maximum ceiling thickness	40mm

WIRING	
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz
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 range bezels	Round & square H2 bezel options	76
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89





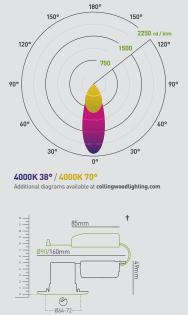


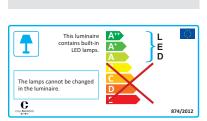
# **COLLINGWOOD** LIGHTING

## FEATURES & **BENEFITS**

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







## H2 Pro 550 | H2 Pro 550 T



twist & lock

































lx at 1m

L70. B10	

PHOTOMETRIC	S @ 25°C						
Colour	$\triangle$	Product code	• Product code	W	CRI	lm	lm/W
<b>4000K</b>	38°	DL35638NW	DLT35638NW	5.2	>80Ra	580	112
	70°	DL35660NW	DLT35660NW	5.2	>80Ra	580	112

41	000K	38°	DL35638NW	DLT35638NW	5.2	>80Ra	580	112	1237
		70°	DL35660NW	DLT35660NW	5.2	>80Ra	580	112	496
3I	8000K	38°	DL35638WW	DLT35638WW	5.2	>80Ra	550	106	1173
		70°	DL35660WW	DLT35660WW	5.2	>80Ra	550	106	462
<u> </u>	2700K	60°	DL3566027	-	8.5	>80Ra	480	56	325

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. 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 / VO rated plastic
Flicker free	Yes
Inrush current	0.9A 0.04ms <sup>†</sup>
Maximum ceiling thickness	40mm

WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
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 <sup>†</sup>	Yes (mains)	1 (ceiling only)

ACCESSORIES		
Product code	Description	
H2 range bezels	Round & square H2 Pro bezel options	76
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89







#### FEATURES & **BENEFITS**

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

# H2 Pro 550 SPS



twist & lock











































* IP65 (front) / IP20 (back)	† Ceiling	onl
------------------------------	-----------	-----

PHOTOMETRICS	PHOTOMETRICS @25°C					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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. Refer to LEDEP06 specification sheet for more info

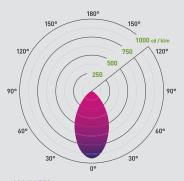
For 3hr emergency pack service option suffix partcode with EM e.g. DLT4335540 becomes DLT4335540EM

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 / VO rated plastic insulation protector built in
Flicker free	Yes
Inrush current	1.2A 0.03ms
Maximum ceiling thickness	40mm

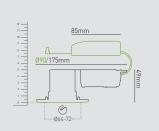
WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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 range bezels	Round & square H2 Pro bezel options	76
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91



4000K 55° iagrams available at collingwoodlighting.com









70





## **H2 Pro 550 CS**





































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

PHOTOMETRICS (a)						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
● 6500K‡	65°	1	>80Ra	600	94	486
4000K‡	65°	DLT4286500	>80Ra	600	94	486
3000K‡	65°		>80Ra	575	90	446

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. 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 / VO rated plastic insulation protector built in
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 2x1.5mm²) or 3-core cable [R02V 3x1.5mm²]
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

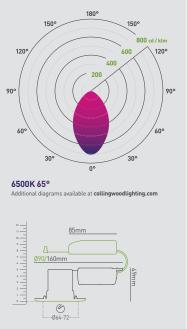
LED DRIVERS					
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.9	Yes (mains)	1 (ceiling only)

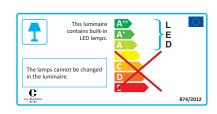
ACCESSORIES		
Product code	Description	
H2 range bezels	Round & square H2 Pro bezel options	76
DLCONVERT70	Converter plate	88
Dimming options	Contact us on 01604 495 151 for more information	
LEDEP06	LED emergency pack	91



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







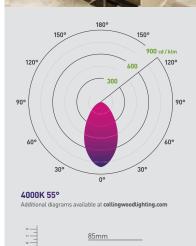


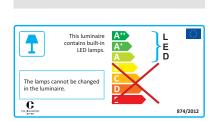




- ) 100lm/W+
- > Uses single point source technology to replicate traditional halogen look
- > 55° beam angle offers superior illumination and allows for larger spacing between downlights
- > High lumen output suitable for high ceilings
- > Shallow depth of 50mm
- > Push-fit terminal connector included
- Slimline twist & lock bezels (sold separately)
- > Flexible driver position for easy
- ) Mains dimmable
- Only 7W







# H2 Pro 700 Dimmable, fire-rated LED downlight



twist & lock























11 03 (110110) 7	ii 05 (ii 01i), ii 25 (back)   Cetting 01i)   i atent iii 01ii aton. <b>cotting 450 atignting.com/patent</b>			
PHOTOMETR	ICS ® 25°C			
0.1		0 P 1 1 1	0.01	

PHOTOMETRICS	PHOTOMETRICS <sup>@ 25°C</sup>					
Colour	$\triangle$	• Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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 e.g. 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 / VO rated plastic
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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
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 range bezels	Round & square H2 Pro bezel options	76
DLCONVERT70	Converter plate	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91





<u>R</u> Ø90/163mm

<u></u> ⊗ .....ø64-72-

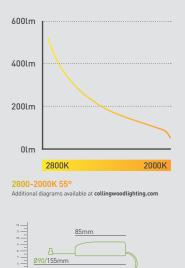


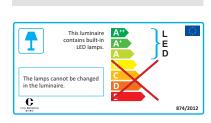


- Dim to warm technology creates warmer environments by reducing the colour temperature during
- > Uses single point source technology to replicate traditional halogen look
- > 55° beam angle offers superior illumination and allows for larger spacing between downlights
- > Push-fit terminal connector included
- > Slimline twist & lock bezels (sold separately)
- > Flexible driver position for easy installation
- ) Mains dimmable
- > Shallow depth of 53mm
- ) Only 8.2W









## H2 Pro Dusk



Colour

twist & lock



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

A







• Product code





CRI

>80Ra











lm lm/W lx at 1m 530 65 490

2800-2000K 55° DLT2425528 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 e.g. DLT2425528 becomes DLT2425528EM

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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
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 range bezels	Round & square H2 Pro bezel options	76
DLCONVERT70	Converter plate	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91





# COLLINGWOOD

## FEATURES & BENEFITS

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

## **H2 Pro Elect**

Low glare, dimmable, fire-rated LED downlight



twist & lock











Dim from 3000K to 1800K available























PHOTOMETRICS @ 25°C								
Colour		A	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
	3000K-1800K	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

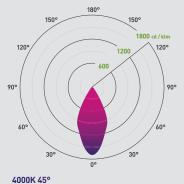
For 3hr emergency pack service option suffix partcode with  $\ensuremath{\mathsf{EM}}$  e.g. DLT4074540 becomes DLT4074540  $\ensuremath{\mathsf{EM}}$ 

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

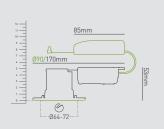
WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

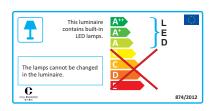
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	36mA	0.95	Yes (mains)	-

ACCESSORIES		
Product code	Description	
H2 range bezels	Round & square H2 Pro bezel options	76
DLCONVERT70	Converter plate	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91



Additional diagrams available at collingwoodlighting.com







I ED DDIVEDS



# **COLLINGWOOD** LIGHTING

## FEATURES & BENEFITS

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

## H2 Pro Elect Trimless Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight

































L70, B10	3SDCM

PHOTOMETRICS © 25°C								
Colour		$\triangle$	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*

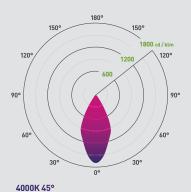
EMERGENCY PACK SERVICE OPTION For 3hr emergency pack service option suffix partcode with EM. e.g. DL4094540 becomes DL4094540EM

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

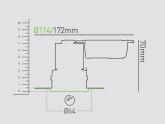
WIRING	
Cable / flying lead	0.15m (Class II, complete with GST first fix connector)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

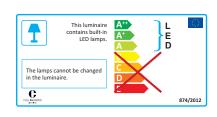
LED DRIVERS					
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	39mA	>0.95	Yes (mains)	-

ACCESSORIES		
Product code	Description	
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91



rams available at collingwoodlighting.com













# H2 bezels Bezel options for H2 range

PRODUCT DATA		
Finish	Product code	Description
Black	RB359BLK	Round matt black bezel
	SQB360BLK	Square matt black bezel
<ul> <li>Brushed steel</li> </ul>	RB359BS	Round brushed steel bezel
Chrome	RB359CR	Round chrome bezel
	SQB360CR	Square chrome bezel
<ul><li>Polished gold</li></ul>	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

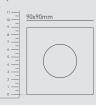
## FEATURES & BENEFITS

- > 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











- $^{
  angle}$  ±20° adjustable downlight to adjust direction of light
- > 106lm/W+
- Slimline twist & lock bezels (sold separately)
- > Shallow depth of 50mm
- > Insulation coverable
- > Push-fit terminal connector included
- Only 5.2W
- > Flexible driver position for easy installation
- > Mains dimmable



twist & lock

±20° adjustable, dimmable, fire-rated LED downligh



ouitable for use n bathrooms



Push-fit terminal connector include















opt | / IP20 (back) | † Ceiling only | Patent information; collingwoodlighting com/patent

ZONE

IE L70, B10

PHO	PHOTOMETRICS © 25°C						
Cold	our	$\triangle$	• 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°	DLT//357030	>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  ${\tt EM}$  e.g. DLT4353840 becomes DLT4353840 ${\tt EM}$ 

220-240V

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 / VO rated plastic insulation protector built in
Flicker free	Yes
Inrush current	0.9A 0.04ms
Maximum ceiling thickness	40mm

3					
WIRING					
Cable / flying lead	0.15m (Class II)				
Cable required for 'T' connector	Push-fit termin	al for: Twin & Earth	n (6242Y 2x1.5mm²	a) or 3-core cabl	e (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains	) 220-240V AC 50/6	0Hz		
LED DRIVERS					
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone

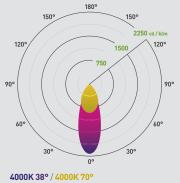
30mA

>0.88

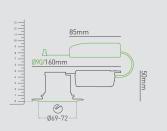
Yes (mains)

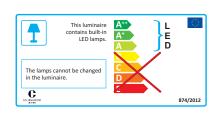
1 (ceiling only)

ACCESSORIES		
Product code	Description	
H4 Pro range bezels	Round H4 Pro bezel options	81
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89



Additional diagrams available at collingwoodlighting.com







N/A (integrated SELV driver)



> ±20° adjustable downlight to adjust direction of light

COLLINGWOOD

- ) 110lm/W+
- Slimline twist & lock bezels (sold separately)
- > Shallow depth of 50mm
- > Insulation coverable
- > Uses single point source technology to replicate traditional halogen look
- > Flexible driver position for easy installation
- Only 5W
- ) Mains dimmable

## **H4 Pro 550 SPS**

(240V

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



twist & lock



Push-fit terminal connector included









L70, B10





PHOTOMETRICS 9.25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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.

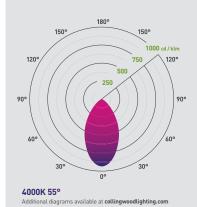
For 3hr emergency pack service option suffix partcode with  ${\sf EM}$  e.g. DLT4365540 becomes DLT4365540 ${\sf EM}$ 

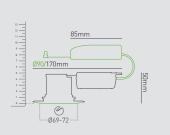
GENERAL	
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / VO rated plastic insulation protector built in
Flicker free	Yes
Inrush current	1.2A 0.03ms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

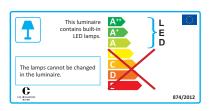
WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable [R02V 3x1.5mm²]
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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	81
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91













- $^{
  m >}~\pm 20^{
  m o}$  adjustable downlight to adjust direction of light
- ) 100lm/W+
- Uses single point source technology to replicate traditional halogen look
- > 55° beam angle offers superior illumination and allows for larger spacing between downlights
- > High lumen output suitable for high ceilings
- > Shallow depth of 50mm
- > Push-fit terminal connector included
- > Slimline twist & lock bezels (sold separately)
- > Flexible driver position for easy installation
- ) Mains dimmable
- Only 7W



## H4 Pro 700

√20°↓



55°

(7W



(240V







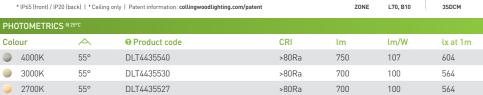












## EMERGENCY PACK SERVICE OPTION Approx. 25% light output compared to normal running. Refer to LEDEP06 specification sheet for more information.

For 3hr emergency pack service option suffix partcode with EM e.g. DLT4435540 becomes DLT4435540EM

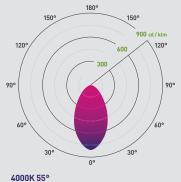
GENERAL	
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Mild steel / VO rated plastic
Flicker free	Yes
Inrush current	0.9A 0.03ms
Maximum ceiling thickness	40mm

WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

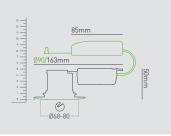
LED DRIVERS					
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	33mA	>0.9	Yes (mains)	1 (ceiling only)

ACCESSORIES		
Product code	Description	
H4 Pro range bezels	Round H4 Pro bezel options	81
DLCONVERT70	Converter plate	88
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91
	5 7,	

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



ams available at collingwoodlighting.com











- > ±20° adjustable downlight to adjust direction of light
- > Low glare downlight UGR 14
- > 45° beam angle for wide illumination
- > Push-fit terminal connector included
- Slimline twist & lock bezels (sold separately)
- Dim to warm option available Shallow depth of 56mm
- > Flexible driver position for easy installation
- ) Mains dimmable

## **H4** Pro Elect

±20° adjustable, low glare, dimmable, fire-rated LED downligh



twist & lock



Push-fit terminal connector included















), B10

PHOTOI	METRICS @ 25°C							
Colour		$\triangle$	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
<b>)</b>	3000K-1800K	45°	DLT4414528	7	>90Ra	380*	54*	588*
		*Dir	m to warm photometric data taken wh	en product is at	full brightness. Lume	n output will be any	thing between 380 - 5	50 when dimmed.

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

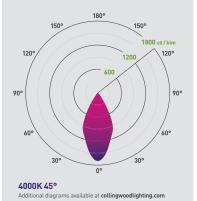
For 3hr emergency pack service option suffix partcode with EM e.g. DLT4414540 becomes DLT4414540EM

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

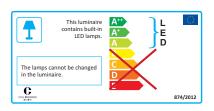
WIRING	
Cable / flying lead	0.15m (Class II)
Cable required for 'T' connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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	81
DLCONVERT70	Converter plate	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
LEDEP06	LED emergency pack	91



95mm 990/170mm











PRODUCT DATA			
Finish	Product code	Description	
<ul> <li>Brushed steel</li> </ul>	RB442BS	Round brushed steel bezel	
Chrome	RB442CR	Round chrome bezel	
Gloss white	RB442WH	Round white bezel	
<ul> <li>Matt white</li> </ul>	RB442MW	Round matt white bezel	

GENERAL	
Construction material	Plastic



- > 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





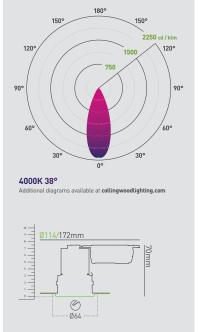


# COLLINGWOOD LIGHTING

## FEATURES & BENEFITS

- ) 100lm/W+
- > Only 5.5W
- > Mains dimmable
- > 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





















(E=3)

3SDCM



* IP65 (front) / IP20 (back)   * Ceiling only   Patent information: collingwoodlighting.com/paten
HOTOMETRICS © 25°C

PHOTOMETRICS @25°C						
Colour	$\triangle$	• Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	38°	DL282WHNWDIM	>80Ra	580	105	1241
3000K	38°	DL282WHWWDIM	>80Ra	550	100	1177

3000K 38°	DL282WHWWVDIM	>8URa	550	100	11//
GENERAL					
Building regulations	Part B (fire protection), P (electrical safety) and	C (moisture protection), I L (conservation of energ	E (acoustic p yy - 2014 reg	orotection), ulations)	
Construction material	Mild steel / VO rated pla	astic			
Flicker free	Yes				
Inrush current	0.9A 0.05ms				
Maximum ceiling thickr	ness 40mm				
WIRING					
Cable / flying lead	0.15m (Class II, comple	te with GST first fix conn	ector)		
Type of wiring required	Parallel (mains) 220-24	40V AC 50/60Hz			

LLD DINIVERS					
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	89
DM298FP	Faceplate dimmer	89



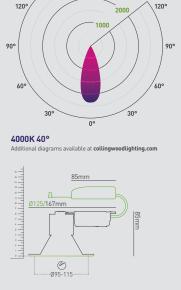


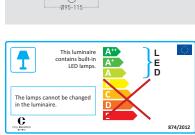




- ) Low glare
- > Only 8.5W
- > Flexible driver position for easy installation
- > Mains dimmable







# H5 500 Symmetric Low glare, fire-rated LED downlight





(240V













PHOTOMETRICS @ 25°C								
Colour	$\triangle$	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 LEDEP06 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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)

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)

Parallel (mains) 220-240V AC 50/60Hz

Description	
Converter plate	88
Insulation cover cap for recessed downlights	90
LED mains grid dimmer	89
Faceplate dimmer	89
	Converter plate Insulation cover cap for recessed downlights LED mains grid dimmer



Type of wiring required

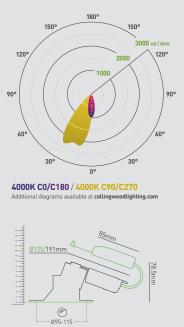


# **COLLINGWOOD** LIGHTING

## FEATURES & **BENEFITS**

- > Low glare
- ) Only 8.5W
- > 20° fixed tilt
- > Flexible driver position for easy installation
- > Mains dimmable







# H5 500 Asymmetric Low glare, fire-rated LED downlight

(240V)



















* IP65 (front) / IP20 (back)	* Ceiling only	Patent information:	collingwoodlighting.com/patent

PHOTOMETRICS @25°C								
Colour	$\triangle$	Finish	Product code	• Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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

### 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. DL283BSNWDIM becomes DL283BSNWEM

GENERAL								
Building regulations	Part B (fire prot P (electrical sat	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)						
Construction material	Mild steel / alur	Mild steel / aluminium						
Flicker free	Yes							
Inrush current	15A 0.5ms	15A 0.5ms						
Maximum ceiling thickness	40mm							
WIRING								
Cable / flying lead	0.15m (Class II)							
Cable required for 'T' Connector	Push-fit termin	al for: Twin & Earth	n (6242Y 2x1.5mm²	) or 3-core Cable	e (R02V 3x1.5mm²)			
Type of wiring required	Parallel (mains	) 220-240V AC 50/6	0Hz					
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	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89







H5 1000 Symmetric Low glare, fire-rated LED downlight

































L70, B10

PHOTOMETRI	ICS ® 25°C							
Colour	A	Finish	Product code	• Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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	DI 292WHWW	DI T292WHWW	>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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

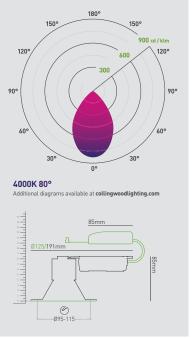
LED DRIVERS					
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.95	Yes (mains)	1 (ceiling only)

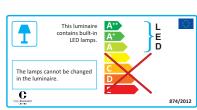
ACCESSORIES		
Product code	Description	
DLCONVERT98	Converter plate	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89



- > Low glare
- Only 16W
- > Flexible driver position for easy installation
- > Brighter than a 75W AR111 halogen and 50W halogen. Ideal for high ceilings
- > Wide 80° beam angle for even illumination. Allows for greater spacing between luminaires
- ) Mains dimmable











# H5 1000 Asymmetric Low glare, fire-rated LED downlight

(240V

Gloss white



80°





DL291WHWW







DLT291WHWW





>80Ra



960



800



PHOTOMETRI	ICS @ 25°C							
Colour	$\triangle$	Finish	Product code	• Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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

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 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

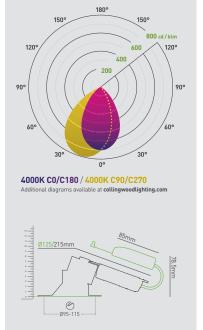
LLD DINIVERS					
Product code	Input voltage	Input current	Power factor	Dimming	Bathroom zone
N/A (integrated SELV driver)	220-240V	-	>0.95	Yes (mains)	1 (ceiling only)

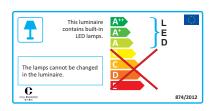
ACCESSORIES		
Product code	Description	
DLCONVERT98	Converter plate	88
14800121 (SPOTCLIP-III)	Insulation cover cap for recessed downlights	90
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89



- > Low glare
- Only 16W
- > 20° fixed tilt
- > Flexible driver position for easy installation
- > Brighter than a 75W AR111 halogen and 50W halogen. Ideal for high ceilings
- > Wide 80° beam angle for even illumination. Allows for greater spacing between luminaires
- > Mains dimmable















# **H6 Lite**Dimmable commercial LED downlight

(31W)



(100°)

\* 4000K only





















NE	
----	--

PHOTOMETRICS @ 25°C							
Colour	A	Finish	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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)

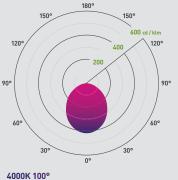
WIRING	
Cable / flying lead	N/A (integrated SELV driver)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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)

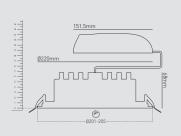
ACCESSORIES		
Product code	Description	
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89
DL801	Converter plate	88



- 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
- angle High powered, equivalent to 100W AR111



ms available at collingwoodlighting.com







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



DLCONVERT98 H5 500 / H5 1000 / H4 Eyeball sold separately







## **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 stee	el 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
<ul> <li>Polished gold</li> </ul>	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
<ul><li>Matt white</li></ul>	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

# COLLINGWOOD

## FEATURES & BENEFITS

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

### DL/CONVERT | DLCONVERT70



#### **DLCONVERT98**



### DL801





















## DM298GRID LED mains grid dimmer



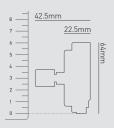
Product code	DM298GRID
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	White adaptors for Hamilton, MK, BG, Crabtree, Schneider, DETA, Hager & Wandsworth grid ranges
Mains supply voltage	240V AC
Mains supply voltage range	230V AC - 240V AC
Mains supply frequency	50Hz
Load type	LED dimmable driver only
Minimum load capacity	5W
Maximum load capacity	100W / 10 LED units max.
Phase firing	Trailing edge dimming
Connection terminals	3mm² max.
Back box depth	35mm min.
Guarantee	1-year

E IN CONJUNCTION WITH		> Compatible with the downlight range
Lite	65	

$\rangle$	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 adapters	-
Mains supply voltage	240V AC
Mains supply voltage range	230V AC - 240V AC
Mains supply frequency	50Hz
Load type	LED dimmable driver only
Minimum load capacity	5W
Maximum load capacity	100W / 10 LED units max.
Phase firing	Trailing edge dimming
Connection terminals	3mm² max.
Back box depth	35mm min.
Guarantee	1-year

USE IN CONJUNCTION WITH	
	65
H2 Lite	
H2 Lite 500	66
H2 Lite 500 CSW	67
H2 Lite 500 CSP	68
H2 Pro 550 (T)	69
H2 Pro 550 SPS	70
H2 Pro 550 CS	71
H2 Pro 700	72
H2 Pro Dusk	73
H2 Pro Elect	74
H2 Pro Elect Trimless	<b>75</b>
H4 Pro 550	77
H4 Pro 550 SPS	78
H4 Pro 700	79
H4 Pro Elect	80
H5 Trimless	82
H5 500 Symmetric	83
H5 500 Asymmetric	84
H5 1000 Symmetric	85
H5 1000 Asymmetric	86
H6 Lite	87

94

97

98

100

102

DL201

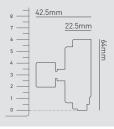
RL111

DM02

DL120 / DL130

FIBRE LED LIGHT

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



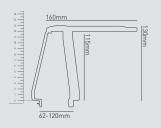
USE IN CONJUNCTION WITH	
H2 Lite	65
H2 Lite 500	66
H2 Lite 500 CSW	67
H2 Lite 500 CSP	68
H2 Pro 550 (T)	69
H2 Pro 550 SPS	70
H2 Pro 550 CS	71
H2 Pro 700	72
H2 Pro Dusk	73
H2 Pro Elect	74
H2 Pro Elect Trimless	75
H4 Pro 550	77
H4 Pro 550 SPS	78
H4 Pro 700	79
H4 Pro Elect	80
H5 Trimless	82
H5 500 Symmetric	83
H5 500 Asymmetric	84
H5 1000 Symmetric	85
H5 1000 Asymmetric	86
H6 Lite	87
DL201	94
DL120 / DL130	97
FIBRE LED LIGHT	98
RL111	100
DM02	102







- > 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







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	72
H2 Pro Dusk	Dim to warm, fire-rated LED downlight with push-fit terminal connector	73
H2 Pro Elect	Low glare, dimmable, fire-rated LED downlight with push-fit terminal connector	74
H2 Pro Elect Trimless	Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight	75
H4 Pro 700	Adjustable, dimmable, fire-rated LED downlight with push-fit terminal connector	79
H4 Pro Elect	±20° adjustable, low glare, dimmable, fire-rated LED downlight	80
H5 500 Symmetric	Low glare, fire-rated LED downlight	83
H5 500 Asymmetric	Low glare, fire-rated LED downlight	84
H5 1000 Symmetric	Low glare, fire-rated LED downlight	85
H5 1000 Asymmetric	Low glare, fire-rated LED downlight	86









**LEDEP06**LED emergency pack for maintained lighting assembly - 3hr minimum emergency lighting









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 - 1.5mm²

EMERGENCY PACK SERVICE C	PTION Approx. 25% light output compared	
For full product codes of pre-wired	d emergency pack service option see relevant specification sheet	
Product	Description	
H2 Pro 550 SPS	Single point source, dimmable, fire-rated LED downlight	70
H2 Pro 550 CS*	Colour switchable, dimmable, fire-rated LED downlight	71
H2 Pro 700	Dimmable, fire-rated LED downlight	72
H2 Pro Dusk	Dim to warm, fire-rated LED downlight	73
H2 Pro Elect	Low glare, dimmable, fire-rated LED downlight	74
H2 Pro Elect Trimless	Low glare, plaster-in, trimless, dimmable, fire-rated LED downlight	75
H4 Pro 550 SPS	Adjustable, single point source, dimmable, fire-rated LED downlight	78
H4 Pro 700	Adjustable, dimmable fire-rated LED downlight	79
H4 Pro Elect	Adjustable, low glare, dimmable, fire-rated LED downlight	80
H5 500 Symmetric	Low glare, fire-rated LED downlight	83
H5 500 Asymmetric	Low glare, fire-rated LED downlight	84

\*3000K when operating in emergency mode

## FEATURES & **BENEFITS**

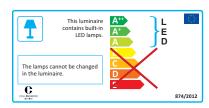
- > Provides minimum of 3 hours of emergency lighting
- > Green light indicates charging of batteries
- > Pre-wired service offers peace of mind and reduces installation time

#### LEDEP06 folded



#### LEDEP06 unfolded











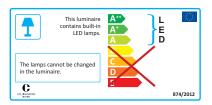
# LED emergency pack for maintained lighting assembly - 3hr minimum emergency lighting (IP20) Suitable for use indoors 3-year guarantee on LED driver 1-year guarantee on battery





ELECTRICAL CHARA	CTERISTICS				
Product code	W	Input (mA)	Input (V)	Output (mA)	Output (V)
LEDEP07*	3	40 maximum	220V-240V 50-60Hz	8 - 60	50 - 200
		* Musi	t be purchased as part of Collingwood's p	re-assembled emergency pack ser	vice, see relevant product pag
GENERAL					
Double insulation		Yes			
Case temperature (to	c = °C)	70			
Inrush current		20A 0.012ms			
WIRING					
Connection output		Terminals			
Flying leads		300mm 2-core (	0.75mm²		
■ EMERGENCY PAGE	CK SERVICE				
For full product code	s of pre-wired	emergency pack servi	ce see relevant specification	sheet	
Product		Description			
H2 Pro 550		Dimmable, fire-	rated LED downlight		69
H4 Pro 550		Adjustable, dim	mable fire-rated LED downli	aht	77











# **COLLINGWOOD** LIGHTING

## FEATURES & **BENEFITS**

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



















- 1	_7	0	. 1	31

PHOTOMETRICS @ 25°C								
Colour	$\triangle$	Finish	Product code	W	CRI	lm	lm/W	lx at 1m
● 6500K	Axial: 50° Transverse: 118°	White	LEDEM01	2	>80Ra	120	60	60

	Α	В	С	D	E
Mounting height (m)		$\longrightarrow$			
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

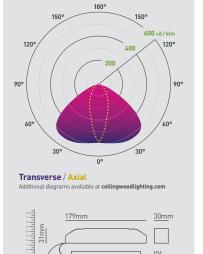
- Distance from LED unit to wall- unit mounted transversely.
- Distance between LED units both units mounted transversely.
  Distance between LED units - one
- mounted transversely, the other mounted axially.
- Distance between LED units both units
- mounted axially.

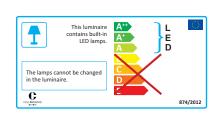
  Distance from LED unit to wall unit mounted axially.

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

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

WIRING	
Input cable required	0.5 - 1.5mm², 3-core
Type of wiring required	Parallel (mains) 220-240V AC 50/40Hz





Ø58mm





#### DLSURFACE for size reference only





## 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**





(240V











(22W) Patent information: collingwoodlighting.com/patent

PHOTOMETRICS	ld 25°C					
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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

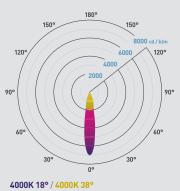
\* Spot version to order only. 90 day lead time

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

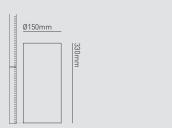
WIRING	
Cable / flying lead	Supplied with 2pc male / female IP65 connector, outside diameter: 5-9mm
Type of wiring required	Parallel (mains) 220-240V AC, 50/60Hz

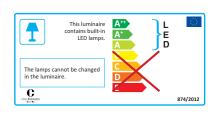
LED DRIVERS					
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES		
Product code	Description	
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89



e at collingwoodlighting.com







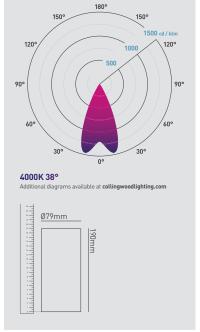






- > Equivalent to 35W Halogen
- > Ceiling fitting kit included
- > Fit between 3-10 products per 500W mains dimmer







# **DL SURFACE**Surface-mount, dimmable LED downlight



























Patent information, collingwood	ighting com/natont	

PHOTOMETRICS	@ 25°C					
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	38°	DL SURFACE F NW	>70Ra	455	57	657
3000K	38°	DL SURFACE F WW	>8NRa	340	43	491

CENEDAL					
GENERAL					
Construction material	Anodised	aluminium			
Inrush current	15A 0.5m	S			
WIRING					
Type of wiring required	Parallel (	mains) 220-240V AC 5	0/60Hz		
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

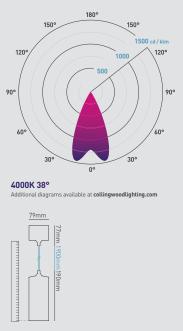


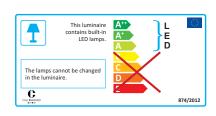




- > Ceiling fitting kit included
- > Equivalent to 35W halogen
- > Fit between 3-10 units per dimmer
- > Cable length can be adjusted







# **DL PENDANT**Dimmable, pendant LED downlight



(38°)

















(8M)

PHOTOMETRICS	@ 25°C					
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	38°	DL PENDANT F NW	>70Ra	455	57	657
3000K	38°	DL PENDANT F WW	>80Ra	340	43	491

Colour	$\wedge$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	38°	DL PENDANT F NW	>70Ra	455	57	657
<b>3000K</b>	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

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	











- > Small and discreet adjustable LED spot lights
- > High quality machined aluminium
- > Easy "plug and play" installation

# DL120 | DL130 Mini adjustable LED spot light























PHOTOMETRICS @25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	15°	DL120 NW	>70Ra	82	82	703
	15°	DL130 NW	>70Ra	82	82	703
<b>3000K</b>	15°	DL120 WW	>80Ra	69	69	591
	15°	DL130 WW	>80Ra	69	69	591
<b>2700K NEW</b>	15°	DL120 27	>80Ra	67	67	574
NFW	15°	DI 130 27	>8NRa	67	67	574

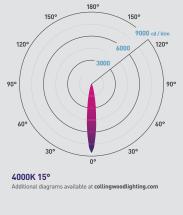
_							
	15°	DL130 NW	>70Ra	82	82	703	
3000K	15°	DL120 WW	>80Ra	69	69	591	
	15°	DL130 WW	>80Ra	69	69	591	
2700K NEW	15°	DL120 27	>80Ra	67	67	574	
NEW	15°	DL130 27	>80Ra	67	67	574	

OLIVEIVAL	
Construction material	Aluminium

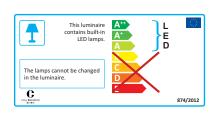
WIRING	
Cable / flying lead	300mm (0.205mm² red & black PTFE)
Type of wiring required	Series (Plug & Play)
	NP. Personal of place will conder this product non-returnable

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	231
LED LYTE 6 WAY EXT	6 way 1m Plug & Play extension lead	231
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89









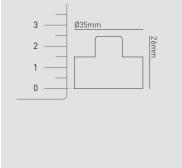


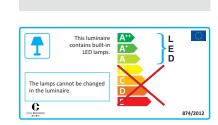
# **COLLINGWOOD** LIGHTING

# FEATURES & BENEFITS

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







# FIBRE LED LIGHT Fibre optic LED light injector

























PHOTOMETRICS ®	PHOTOMETRICS @25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	-	FIBRE LED LIGHT NW	>80Ra	-	-	-	

## GENERAL Construction material Aluminium

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

LED DRIVERS Bathroom zone applicable to fitt								
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 290-295								

ACCESSORIES		
Product code	Description	
FIBRE LED 1/30	Fibre optic strands	99
FIBRE LED 2/30	Fibre optic strands	99
UY2 CONNECTOR	Quick waterproof connector	296
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89









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













DD.	ODI	ICT	DATA	

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

GENERAL

Construction material Plastic

WIRING

Cable Series / Parallel

USE IN CONJUNCTION WITH FIBRE LED LIGHT 98 DL329RGBW 272



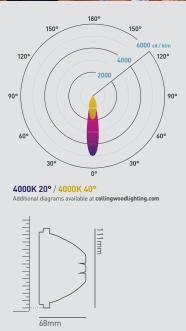


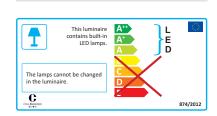
# **COLLINGWOOD** LIGHTING

# 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



\* LED unit only



















For LED driver bathroom zone & additional LED drivers see page 290-295





HOTOMETRICS © 25°C Efficacy does not include d								
ol	our	$\triangle$	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 (0.205mm² red & black PTFE)
Type of wiring required	Series

LED DRIVERS Bathroom zone applicable t							
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

ACCESSORIES		
Product code	Description	
AR119/120/220	Adjustable housing	101
HAL 104	DALI interface	288
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89







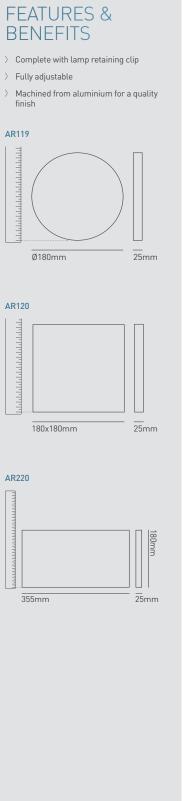
AR119 AR120 AR220

















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



## FEATURES & **BENEFITS**

- > Equivalent to 50W halogen
- MR16 for retrofit into existing housings

# **DM01**





(9W)





















HOUSING DEPENDANT













PHO	TOMETRICS	@ 25°C						
Col	our	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m	
	4000K	25°	DM012540	>80Ra	680	76	1774	
	2700K	25°	DM012527	>80Ra	600	67	1565	

GENERAL							
Building regulations	Prod	uct is no	t fire-rated				
Construction material	Alum	Aluminium					
WIRING							
Cable / flying lead	Plug	& Play in	nto driver				
Type of wiring required	Plug	& Play					
	NB: Re	moval of plu	igs will render this pro	oduct non-returnable			
LED DRIVERS							
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max	
PLDM70011	700	Yes	Yes (mains)	2	1	1	

Yes (1-10V)

Yes (DALI)

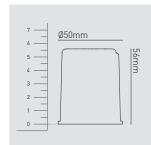
700 Yes

700 Yes

For LED driver bathroom zone & additional LED drivers see page 290-295

PH01	TOMETRICS (	1 25°C						
Colo	ır	A	Product code	CRI	lm	lm/W	lx at 1m	
	3000K	24°	DM022430	>80Ra	580	92	1997	

DRIVER REQUIRED FOR D	M02 RA	NGE				
Product code	Input	power	Descript	ion		
PSDIM180	8.5W		Mains di	mmable, IP20, 180r	nA driv	er
GENERAL						
<b>Building regulations</b>	Prod	uct is no	t fire-rated			
Construction material	Alum	ninium				
WIRING						
Cable / flying lead	Plug	& Play ii	nto driver			
Type of wiring required	Plug	& Play				
	NB: Re	moval of plu	gs will render this pro	oduct non-returnable		
LED DRIVERS				Bathroom zone app		
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PSDIM180	180	Yes	Yes (mains)	-	1	1



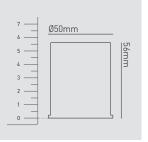
PLD-UNIDRIVE 700

PSDAL700M

ACCESSORIES FOR DM01 & DM02		
Product code	Description	
DH02WH	Adjustable MR16 pinhole housing	103
DH03WH	Adjustable MR16 baffled housing	103
DH04WH	Adjustable MR16 highlight housing	103
DH05WH	Adjustable MR16 wall wash housing	103
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
DM298GRID	LED mains grid dimmer	89
DM298FP	Faceplate dimmer	89

2

5









## **DH02WH**Adjustable, white, pinhole housing for the DM01 & DM02









## DH03WH Adjustable, white, baffled housing for the DM01 & DM02



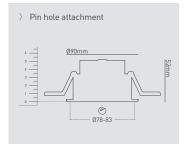


√30°∫	(press 83)
-------	------------

Product Code	DH02WH
Construction material	Aluminium
Guarantee	1 year

DM01 WITH DH02WH		Page <b>102</b>
Colour	lm	lx at 1m
4000K	330	1051
2700K	270	860

DM02 WITH DH02WH		Page <b>102</b>
Colour	lm	lx at 1m
3000K	320	1760

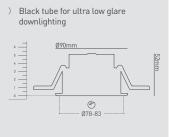


Construction material		Aluminium	
Guarantee		1 year	
DM01 WITH DH03WH	Page 102		

DH03WH

Colour	lm	lx at 1m
4000K	480	1027
2700K	420	899
DM02 WITH DH03WH		Page <b>102</b>
Colour	lm	lx at 1m

Product Code





## **DH04WH**Adjustable, white, highlight housing for the DM01 & DM02











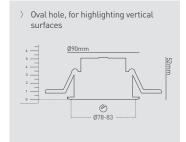




Product Code	DH04WH
Construction material	Aluminium
Guarantee	1 vear

DM01 WITH DH04WH		Page <b>102</b>
Colour	lm	lx at 1m
4000K	330	1078
2700K	270	882

DM02 WITH DH04WH		Page <b>102</b>
Colour	lm	lx at 1m
3000K	320	1759



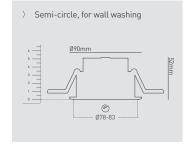
Product Code	DH05WH
Construction material	Aluminium
Guarantee	1 year

DM01 WITH DH5WH		Page <b>102</b>
Colour	lm	lx at 1m
4000K	330	1028
2700K	270	841
DM02 WITH DH04WH		Page <b>102</b>
Colour	Im	Ix at 1m

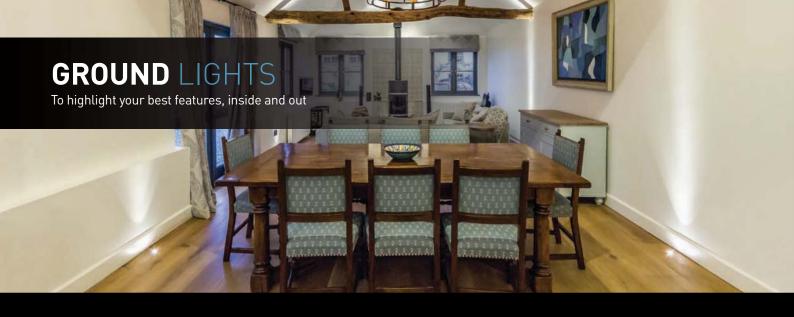
320

1577

3000K







## **QUALITY OF PRODUCT**

## **INSTALLATION** TUBES

## **WATERPROOF**

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.

Installing ground lights in soil, gravel or patios? We recommend using an installation tube, see page 131. Already supplied with GL034A, GL038A, GL07, GL08 and GL09.



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 **296-297** 

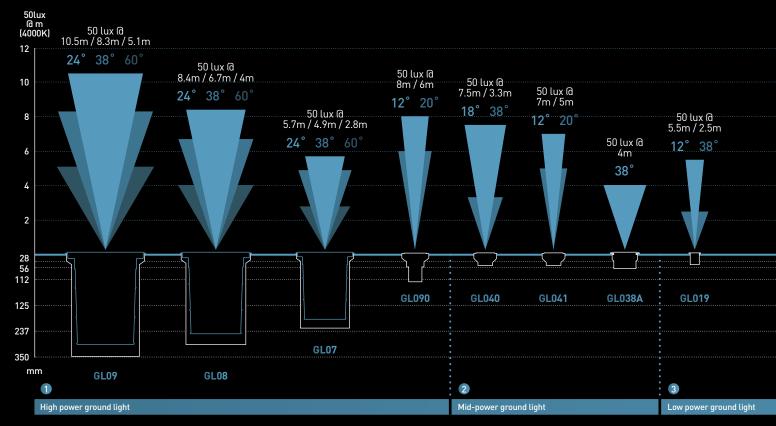




Check out our IP rated installation video on the Collingwood Lighting YouTube channel.

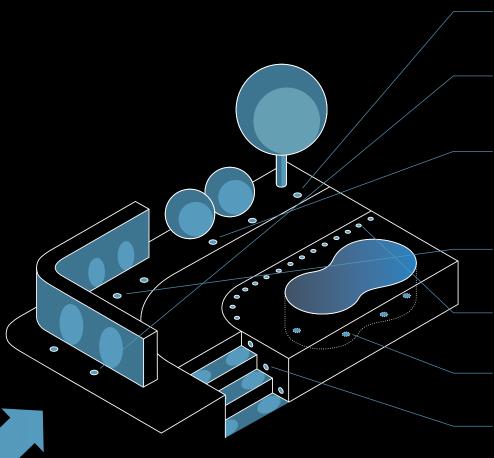
## **CHOOSE** YOUR EFFECT

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



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.



### 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.

## Low glare ground light

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

## Marker light

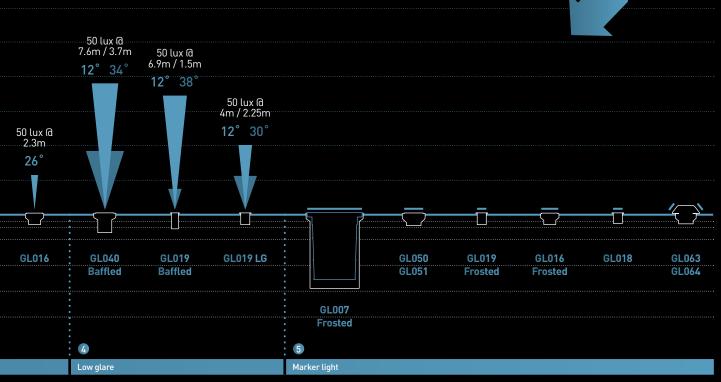
Providing a subtle diffused glow of light, these fittings are ideal for steps, pathways, driveways and car parks.

#### Submersible universal light

IP rated to IP68 and tested to 9m submersion. Pages **225 - 226** 

## Step light

Using asymmetric ground or wall lights will throw light down and along the steps at the same time. Pages 134-137



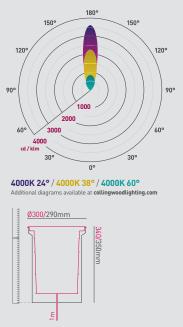


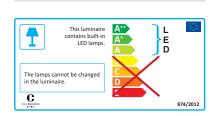
# COLLINGWOOD LIGHTING

## 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





















					ZONE	L
10	TOMETRICS @ 25°C					
lo	our	A	Product code	CRI	lm	lm
	4000K	60°	GL09D60X40	>80Ra	1515	59

Cold	our	$\triangle$	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
	2700K <b>NEW</b>	60°	GL09D60X27*	>80Ra	1460	57	1220
	NEW	38°	GL09D38X27*	>80Ra	1460	57	3327
	NEW	24°	GL09D24X27*	>80Ra	1460	57	5272

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

#### GENERAL

Construction material

Drive over, 12mm tempered glass (15mph max), static load 2000kg / 20KNDrive over / Walk over

Inrush current 2.8A 0.2ms

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

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	297				
WC 5-9	Quick waterproof connector	296				



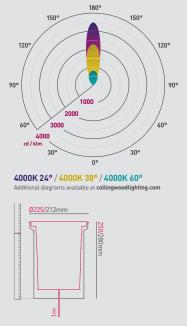


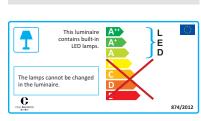




- ) Adjustable LED fittings
- > Equivalent to 50W Halogen & 100W AR111
- > Straight to mains
- > Robust cable for outdoor use







#### **GL08**



































L70, B10		

PHOTOMETRICS @ 25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000</b> K	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	
2700K NEW	60°	GL08D60X27*	>80Ra	975	57	776	
NEW	38°	GL08D38X27*	>80Ra	975	57	2207	
NEW	24°	GL08D24X27*	>80Ra	975	57	3410	

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

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	297
WC 5-9	Quick waterproof connector	296



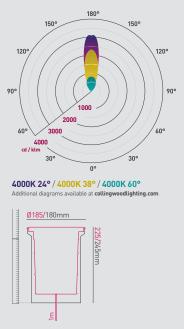






- > Adjustable LED fittings
- > Equivalent to 50W Halogen
- > Robust cable for outdoor use
- > Straight to mains







#### **GL07** Drive over LED ground light

























PHOTOMETRICS @ 2	5°C					
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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
<b>2700K NEW</b>	60°	GL07D60X27*	>80Ra	490	58	387
NEW	38°	GL07D38X27*	>80Ra	490	58	1142
NEW	24°	GL07D24X27*	>80Ra	490	58	1569

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

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	297
WC 5-9	Quick waterproof connector	296









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

## GL007 Frosted Frosted LED drive over ground / marker light



(240V

(8M)





(IK10)













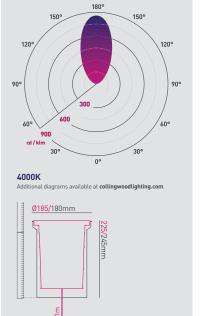
					·		
PHOTOMETRICS @ 25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	-	GL007 FROSTED NW	>70Ra	101	13	43	
<b>3000K</b>	_	GL007 EDOSTED WW	\2∩Pa	9.6	12	33	

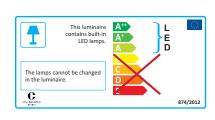
GENERAL	
Construction material	Stainless steel 304 (cover ring) / aluminium (body)
Drive over / walk over	Drive over, 10mm tempered glass (15mph max), static load 2000kg / 20KN
Inrush current	10.7A 0.7ms
WIDING	

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	297
WC 5-9	Quick waterproof connector	296







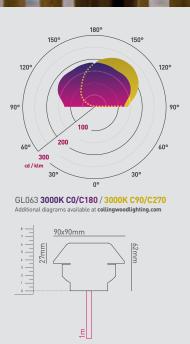


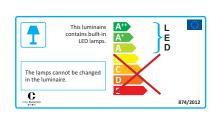


### FEATURES & BENEFITS

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







### GL063 | GL064 3-way LED marker light I 4-way LED marker light



(4W)

GL064

(3W)

GL063





















PHOTOMETRICS @25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>3000K</b>	-	GL063	>80Ra	45	15	9
	-	GL064	>80Ra	65	16	9
2700K NEW	-	GL063 27	>80Ra	44	15	9
NEW	-	GL064 27	>80Ra	63	16	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					lathroom zone app	licable 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 290-295
ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/68	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297



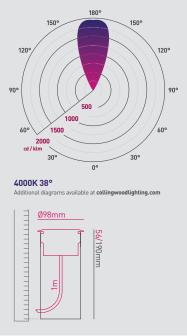


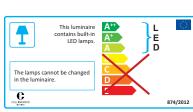




- > Equivalent to 20W halogen
- > Robust cable for outdoor use
- > Straight to mains for easy retrofit







#### **GL038A**

Straight to mains LED ground light



Inrush current





9A 0.8ms



















PH0	with the installation sleeve = 85mm cut-out  PHOTOMETRICS @ 25°C						
Colo	ur	$\triangle$	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
	2700K <b>NEW</b>	38°	GL038A F 27	>80Ra	160	44	318

Blue	38°	GL038A F BL	-	-	-	-	
GENERAL							
Construction mat	erial	Stainless steel 31	16 (cover) / aluminiu	ım (body)			
Drive over / walk	over	Walk over (5mm	toughened glass)				

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	297
WC 5-9	Quick waterproof connector	296



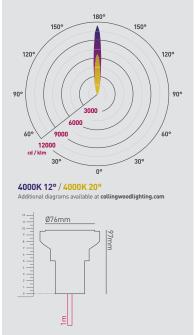


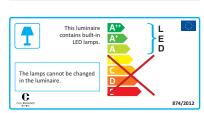




- > Equivalent to 35W halogen & 35W AR111
- > Robust cable for outdoor use







### **GL090** 7W LED ground light



































Patent information:	colling	woodlig	hting.c	om/i	patent

PHOTOMETRICS @25°C							
Col	our	A	Product code	CRI	lm	lm/W	lx at 1m
	4000K	20°	GL090 F NW	>70Ra	400	57	2594
		12°	GL090 S NW	>70Ra	400	57	4590
	3000K	20°	GL090 F WW	>80Ra	320	46	2076
		12°	GL090 S WW	>80Ra	320	46	3671
	2700K <b>NEW</b>	20°	GL090 F 27	>80Ra	310	44	2011
	NEW	12°	GL090 S 27	>80Ra	310	44	3556
	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				В	athroom zone app	licable 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 d	Irivers see	page <b>290-295</b>	i

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/68	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296







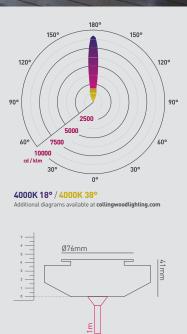


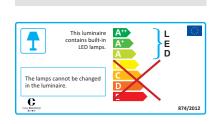
> New - can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)

**COLLINGWOOD** LIGHTING

- > At 350mA equivalent to 20W halogen & 35W AR111
- > Robust cable for outdoor use







#### **GL040** 3W LED ground light







(IK08)







L70, B10



3W

PHO	PHOTOMETRICS © 25°C See website for photometric data © 700mA						
Col	our	A	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
	2700K <b>NEW</b>	38°	GL040 F 27	>80Ra	253	84	463
	NEW	18°	GL040 S 27	>80Ra	253	84	2348

	IAEAA	10	GL040 5 27	>oura	233	04	Z340
GENERAL							
Constructio	n materi	al	Stainless steel (	[316]			
Drive over /	walk ove	er	Walk over (5mm	n toughened glass)			

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

LED DRIVERS					Bathroom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLR/350 1-5	350	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3
PLU/700 3-9 <b>NEW</b>	700	Yes	No	1	1	3
For LED driver bathroom zone & additional LED drivers see page 290-2						rs see page <b>290-295</b>

ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	296-297
TUBE/68	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	297









#### FEATURES & **BENEFITS**

- > A stylish, baffled ground light
- > Perfect for both interior and exterior applications
- > Compliments environments with ultra low glare up-lighting effect

### GL040 Baffled 2W LED ground light

































PHOTOMETRICS @25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	12°	GL040DNBL40	>80Ra	215	108	2891
	34°	GL040DMBL40	>80Ra	215	108	694
<b>3000K</b>	12°	GL040DNBL30	>80Ra	208	104	2797
	34°	GL040DMBL30	>80Ra	208	104	671
2700K	12°	GL040DNBL27	>80Ra	200	100	2689
	34°	GL040DMBL27	>80Ra	200	100	645

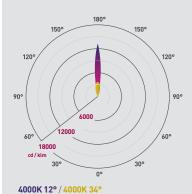
GENERAL	
Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

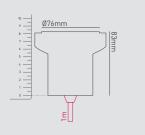
WIRING	
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

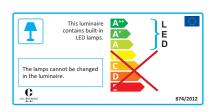
LED DRIVERS					athroom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	3
PLR/350 1-5	350	Yes	No	0	1	1
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED drivers see page 290-295

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/68	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	297









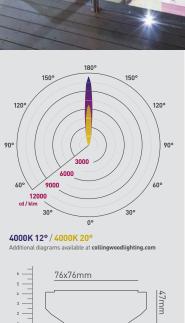


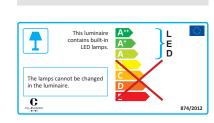




- > Equivalent to 20W halogen & 35W AR111
- > Robust cable for outdoor use







GL041 Square 3W LED ground light



(3W)







(IK08)











3SDCM

PHOTOMETRICS	@ 25°C				See website for p	ohotometric data @ 700mA
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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					throom zone app	licable 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 290-298						rs see page <b>290-295</b>

ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	296-297
TUBE/68	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	297







#### GL050 | GL051

 $3W\ LED\ ground\ /\ marker\ light\ I\ Square\ 3W\ LED\ ground\ /\ marker\ light$ 



































Patent information:	collingwoodlighting	.com/patent

PHUTUMETRICS	Id 25°C					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	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
2700K NEW	100°	GL050 27*	>80Ra	46	15	16
NEW	100°	GL051 27*	>80Ra	46	15	16
Blue	100°	GL050 BLUE	-	-	-	-
	100°	GL051 BLUE	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

ERAL

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

MIDINIO			

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

LED DRIVERS Bathroom zone applicable to fitti					licable 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

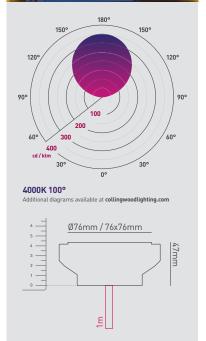
For LED driver bathroom zone & additional LED drivers see page 290-295

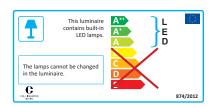
ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	296-297
TUBE/68	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296

### FEATURES & BENEFITS

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











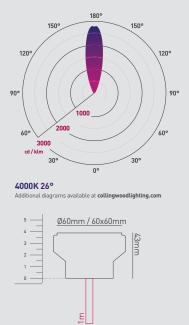


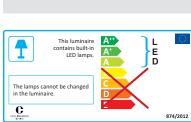




- New can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)
- > Robust cable for outdoor use
- > Shallow depth for easy installation







### GL016 F | GL016 SQ 1W LED ground light | Square 1W LED ground light































Patent information:	collingwoodlighting.com	/patent

PH0	TOMETRICS @ 2	5°C				See website for p	ohotometric data @ 700mA
Colour		ur 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
	2700K <b>NEW</b>	26°	GL016 F 27*	>80Ra	70	70	196
	NEW	26°	GL016 SQ 27*	>80Ra	70	70	196
	Amber	26°	GL016 F AMBER	-	-	-	-
	Blue	26°	GL016 F BLUE	-	-	-	-
		26°	GL016 SQ BLUE	-	-	-	-
	Green	26°	GL016 F GREEN	-	-	-	-
	Red	26°	GL016 F RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

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						licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	9
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	10
PLU/700 3-9 <b>NEW</b>	700	Yes	No	1	3	9

	For LED driver bathroom zone & a	idditional LED drivers see page 290-295
ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/50	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296





### FEATURES & BENEFITS

- New can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)
- > Robust cable for outdoor use
- > Shallow depth for easy installation
- > Solid brass for antique effect

### GL016 FAB 1W LED ground light

1W



26°







(IK09)











PHO	PHOTOMETRICS © 25°C See website for photometric data © 700mA						
Colour A Product code CRI Im						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
	2700K <b>NEW</b>	26°	GL016 F AB 27*	>80Ra	70	70	196
	Amber	26°	GL016 F AB AMBER	-	-	-	-
	Blue	26°	GL016 F AB BLUE	-	-	-	-
	Green	26°	GL016 F AB GREEN	-	-	-	-
	Red	26°	GL016 F AB RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

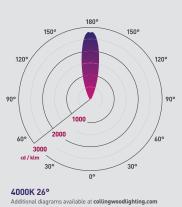
	watable of request, please earload features and modern to re-
GENERAL	
Construction material	Brass
Drive over / walk over	Walk over (5mm toughened glass)

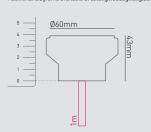
WIRING	
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

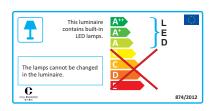
LED DRIVERS Bathroom zone applicable						licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLR/350 1-5	350	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	10
PLU/700 3-9 <b>NEW</b>	700	Yes	No	1	3	9

For LED driver bathroom zone & additional LED drivers see page 290-295

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/50	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296















- > Frosted effect for softer light
- > Robust cable for outdoor use
- > Shallow depth for easy installation

### GL016 Frosted Frosted 1W LED Ground Light / Marker light

































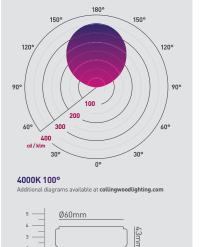
PHOTOMETRICS © 25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	100°	GL016DC0F40	>80Ra	15	15	5	
3000K	100°	GL016DC0F30	>80Ra	13	13	5	
2700K	100°	GL016DC0F27	>80Ra	12	12	4	

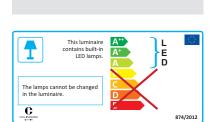
GENERAL	
Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

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

LED DRIVERS					Bathroom zone app	licable 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

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/50	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296







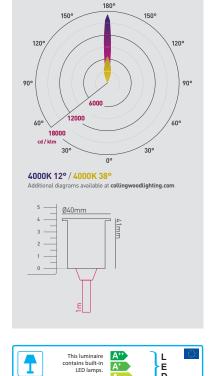






- > New can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)
- > Compact yet powerful fitting
- > Shallow depth for easy installation
- > Robust cable for outdoor use





#### **GL019**





(1W)



















$\overline{}$	$\sim$		$\overline{}$	$\sim$	$\overline{}$	$\sim$
Patent information:	collingwoodlightii	ng.com/patent		ZONE	L70, B10	3SDCM
PHOTOMETRICS	3 25°C				See website for p	ohotometric data @ 700r
Colour	$\wedge$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	38°	GL019 F NW	>70Ra	90	90	320
	12°	GL019 S NW	>70Ra	90	90	1543
<b>3000K</b>	38°	GL019 F WW	>80Ra	70	70	249
	12°	GL019 S WW	>80Ra	70	70	1200
<b>2700K NEW</b>	38°	GL019 F 27	>80Ra	68	68	242
NEW	12°	GL019 S 27	>80Ra	68	68	1166
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 mate	erial	Stainless steel (316)				

Drive over / walk over	Walk ov	er (5mm touç	jhened glass)			
WIRING						
Cable / flying lead	1m (H05	RN-F) rubbe	rised cable (outsi	de diameter: 6mm)		
Type of wiring required	Series					
LED DRIVERS					Bathroom zone appl	icable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLR/350 1-5	350	Yes	No	0	1	5

No

Yes (1-10V)

2

350

700

Yes

Yes

For LED driver bathroom zone & additional LED drivers see page 290-295

10

	Tot EED affect bettingon Earle	additional EED differs see page 270 270
ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	296-297
TUBE/33	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



874/2012

PLD UNI-DRIVE 350MA

PLU/700 3-9 **NEW** 

The lamps cannot be changed in the luminaire.

1







#### FEATURES &

- > Perfect for both interior and exterior applications
- > Compliments environments with ultra low glare up-lighting effect

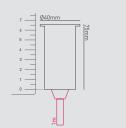
### > A stylish, baffled mini ground light

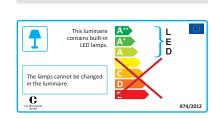
#### **BENEFITS**





4000K 12° / 4000K 30° rms available at collingwoodlighting.com





### **GL019 Baffled** 1W mini LED ground light



12 30°



(1W)







(IK07)











Patent information: collingwoodlighting.com/patent

ZONE	

PHOTOMETRICS © 25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	12°	GL019DNBL40	>80Ra	78	78	2369
	30°	GL019DMBL40	>80Ra	68	68	125
3000K	12°	GL019DNBL30	>80Ra	74	74	1324
	30°	GL019DMBL30	>80Ra	64	64	25
2700K	12°	GL019DNBL27	>80Ra	70	70	1292
	30°	GL019DMBL27	>80Ra	60	60	24

	30°	GL019DMBL27	>80Ra	60	60	24	
GENERAL							
Construction ma	iterial	Stainless steel (31	6)				
Drive over / walk	cover	Walk over (5mm to	oughened glass)				

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

LED DRIVERS					Bathroom zone app	licable 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
			-	IED III III 0		

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/33	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



90°

30°





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

COLLINGWOOD LIGHTING

### **GL019 LG** 1W mini low glare LED ground light





















For LED driver bathroom zone & additional LED drivers see page 290-295



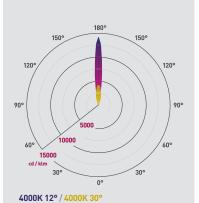
PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	30°	GL019LGFNW	>70Ra	65	65	262
	12°	GL019LGSNW	>70Ra	65	65	908
3000K	30°	GL019LGFWW	>80Ra	55	55	222
	12°	GL019LGSWW	>80Ra	55	55	768
2700K NEW	30°	GL019LGF27	>80Ra	53	53	214
NEW	12°	GL019LGS27	>80Ra	53	53	740

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

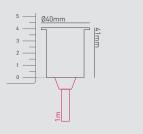
WIRING	
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS				В	athroom zone app	licable 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

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/33	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



at collingwoodlighting.com













## GL019 Frosted Frosted 1W Mini LED Ground Light / Marker light



(1W)

(100°)







(IK07)









(Kei	<b>■</b>
201	см

PHOTOMETRICS ® 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	100°	GL019DC0F40	>80Ra	13	13	5
3000K	100°	GL019DC0F30	>80Ra	11	11	4
2700K	100°	GL019DC0F27	>80Ra	10	10	4

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

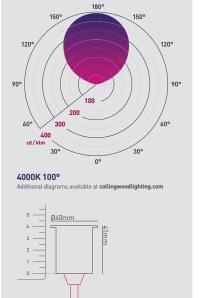
WIRING	
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

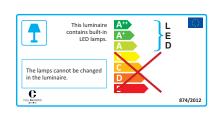
LED DRIVERS					Bathroom zone app	olicable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	9
PLR/350 1-5	350	Yes	No	0	1	5
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	10
			Fo	or LED driver bathroom zone &	additional LED drive	rs see page <b>290-295</b>

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/33	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296

### FEATURES & BENEFITS

- > Frosted effect for softer light
- > Robust cable for outdoor use
- > Shallow depth for easy installation





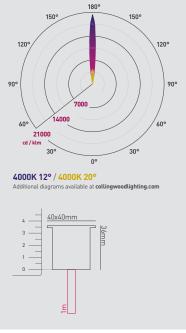


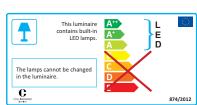


#### FEATURES & **BENEFITS**

- > New can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)
- > Shallow depth for easy installation
- > Square fascia for a different decorative effect







## GL019 SQ 1W square mini LED ground light























1W

PHOTOMETRICS @ 25°C See website for photometric data @ 7					hotometric data @ 700mA	
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	20°	GL019 SQ F NW	>70Ra	55	55	350
	12°	GL019 SQ S NW	>70Ra	55	55	1650
<b>3000K</b>	20°	GL019 SQ F WW	>80Ra	44	44	320
Blue	20°	GL019 SQ F BLUE	-	-	-	-
	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 of						licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	9
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	10
PLU/700 3-9 <b>NEW</b>	700	Yes	No	1	3	9

	For LED driver bathroom zone & a	dditional LED drivers see page 290-295
ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	296-297
TUBE/33	Installation tube	131
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296





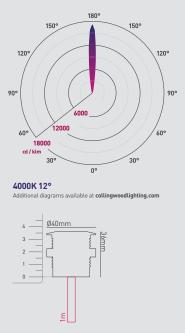


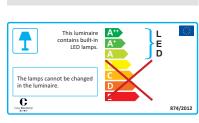
#### FEATURES & BENEFITS

- New can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)
- > Incorporated thread and nut for secure fitting into panels, walls or ceilings
- > Shallow depth for easy installation









### **GL019 S T** 1W mini LED ground light threaded









(IK07)

























Patent informatio	n: collingwoodl	ighting.com/	patent

PHO	PHOTOMETRICS @ 25°C See website for photometric data @ 700mA						
Col	our	A	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
	2700K <b>NEW</b>	12°	GL019 S T 27*	>80Ra	42	42	1423
	Blue	12°	GL019 S T BLUE	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

GENERAL	

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

W	/	RI	N	G

Cable / flying lead 1m (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required Series

LED DRIVERS				E	Bathroom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	9
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	10
PLU/700 3-9 <b>NEW</b>	700	Yes	No	1	3	9

For LED driver bathroom zone & additional LED drivers see page 290-295

ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296







- New can now also be used with a 700mA driver for increased light output (see page 282 for driver matrix)
- > Theft/vandal-proof. Threaded body fits securely into supplied aluminium tube using tightening key
- > Aluminium tube for secure installation in concrete or soft ground environments
- > Low profile waterproof ground light. Ideal for decking or by swimming pools

























1W

PHOTOMETRICS @ 25°C See website for photometric data @ 700mA						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	12°	GL019 S TK NW	>70Ra	55	55	1650
2700K NEW	12°	GL019 S TK 27*	>80Ra	42	42	1423
Blue	12°	GL019 S TK BLUE	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

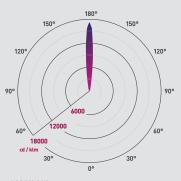
For LED driver bathroom zone & additional LED drivers see page 290-295

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						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	9
PLD UNI-DRIVE 350MA	350	Yes	Yes (1-10V)	2	1	10
PLU/700 3-9 <b>NEW</b>	700	Yes	No	1	3	9

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



4000K 12° diagrams available at collingwoodlighting.com





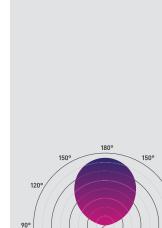




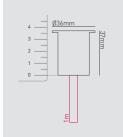


#### FEATURES & **BENEFITS**

- > Frosted effect for softer tone of light
- > Low profile for easy installation
- > Robust cable for outdoor use
- > Parallel wiring for easier installation and more fittings to a power supply



4000K 120° ms available at collingwoodlighting.com





### **GL018 C** Small LED marker light

(0.5W)



120°





















	atent information. count	gwoodigning.com	patent		LOILE		035014	
PHO	PHOTOMETRICS @ 25°C							
Cold	our	A	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	-	-	-	-	

CENEDAL	
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						le 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 LEI	driver bathroom zone & additional	_ED drivers se	e page <b>290-295</b>

ACCESSORIES		
Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



120°

30°

90°



- > Robust cable for outdoor use
- > Shallow depth for easy installation
- > Solid brass for antique effect
- > Parallel wiring for easier installation and more fittings to a power supply

### FEATURES & BENEFITS



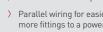
180°

150°

150°

30°

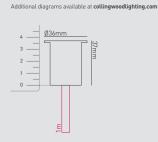
90°



### > Frosted effect for softer tone of light









### GL018 C AB Small antique brass LED marker light



120°













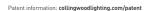






3SDCM





(0.5W

PHOTOMETRICS R25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	120°	GL018 C AB NW	>70Ra	3	6	1
3000K	120°	GL018 C AB WW	>80Ra	3	6	1
2700K NEW	120°	GL018 C AB 27*	>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	-	-	-	-

	*Available on request, please call our team for lead times and MOQ on 01604 495 151
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					ole 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 LEI	D driver bathroom zone & additional	LED drivers se	e page <b>290-295</b>

ACCESSORIES		
Product code	Description	
JB1/JB5/JB6	IP68 waterproof connectors	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288









### **GL018 SQ** Small square LED marker light



(120°)





















Patent	informa	ation: c	ollinav	voodligh	nting.c	om/p	atent

(0.5W)

PHOTOMETRICS 9.25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	120°	GL018 SQ NW	>70Ra	3	6	1	
3000K	120°	GL018 SQ WW	>80Ra	3	6	1	
2700K NEW	120°	GL018 SQ 27*	>80Ra	3	6	1	
Blue	120°	GL018 SQ BLUE	-	-	-	-	

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

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

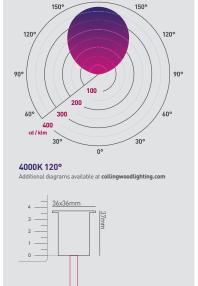
LED DRIVERS Bathroom zone applicable to fitting on							
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max	
PS1524	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	30	
PS5024	-	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	100	
PSDIP10024	-	Yes	Yes (1-10V)	0 (1 when dimming)	1	200	

For LED driver bathroom zone & additional LED drivers see page 290-295
--

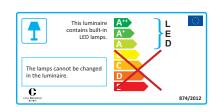
ACCESSORIES		
Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288

#### 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
- > Parallel wiring for easier installation and more fittings to a power supply



180°







#### FEATURES & BENEFITS

- > Frosted effect for softer tone of light
- > Incorporated thread and nut for secure fitting into panels, walls or ceilings
- > Robust cable for outdoor use
- > Parallel wiring for easier installation and more fittings to a power supply

























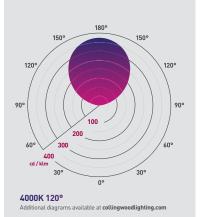
PHOTOMETRICS @25°C								
Colour	A	Product code	CRI	lm	lm/W	lx at 1m		
<b>4000K</b>	120°	GL018 T NW	>70Ra	3	6	1		
Blue	120°	GL018 T BLUE	-	-	-	-		

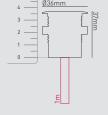
GENERAL	
Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

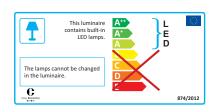
WIRING	
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

LED DRIVERS Bathroom zone applicable to fitting on						
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 290-295						

ACCESSORIES		
Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288

















# TUBE/33 | TUBE/50 | TUBE/68 Installation tubes









PRODUCT DATA Product code

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

#### GENERAL

Construction material Anodised aluminium

USE IN CONJUNCTION WITH					
TUBE/33		TUBE/50		TUBE/68	
GL019	120	GL016	117	GL040	113
GL019LG	122	GL016FAB	118	GL040 Baffled	114
GL019SQ	124	GL016RGBW	263	GL040CARGB	261
GL019 Baffled	121	GL016SQ	117	GL041	115
GL019 Frosted	119	GL016 Frosted	119	GL050	116
		GL021	137	GL050RGBW	276
		GL022	137	GL051	116
				GL090	112
				GL090RGBW	260
				GL063	110
				GL064	110

# FEATURES & BENEFITS

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

#### TUBE/33



#### TUBE/50



#### TUBE/68







#### **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

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**

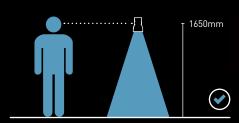
The narrow, intense beam of this wall light will enhance the texture of the surface upon which it is mounted. It works very well on uneven stone and provides plenty of contrast between areas of light and shade.



#### 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).

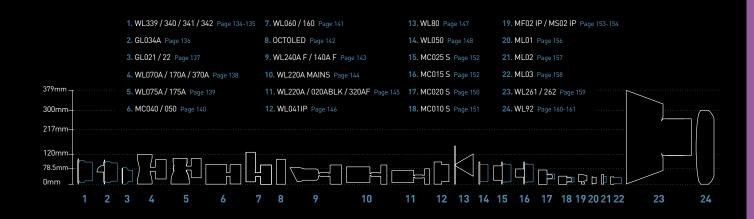


To avoid hot spots when using up / down lights to frame doors and windows with attractive columns of light, ensure they are not positioned too close to the ceiling or other horizontal surfaces.



To light pathways and steps mount these wall fittings 200-300mm above surface level to spread light across the step or path.

#### **SIZE COMPARISON**



#### MICROWAVE SENSORS

Þ

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





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.



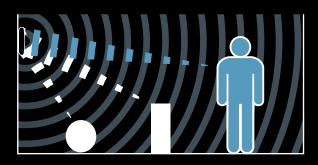
#### MC040

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.



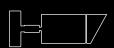
#### **LOW GLARE HOODS & SNOOTS**

Upgrade the look and feel of your wall light installation with a simple low glare hood or low glare snoot accessory.













#### Standard wall light

Flexible wall lighting from a high-quality fixture you can trust

#### Low glare hood

Simple low glare accessory creating discreet lighting whilst optimising the light distribution

#### Low glare snoot

A chic low glare accessory which elevates the style factor. Perfect for creating a moonlight effect





#### FEATURES & **BENEFITS**

- > Recessed, asymmetric wall or ground light perfect for illuminating walls, steps and pathways
- > Straight to mains for easy retrofit
- > Available in rustic cast stainless steel and sleek brushed stainless steel finishes
- > Installation tube included

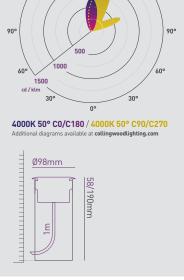


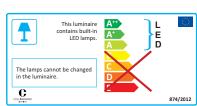
180°

1509

150°

120°





#### WL339 | WL340



(2.6W



















PHOTOMETRICS © 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	50°	WL339NW	>70Ra	59	22	65
	50°	WL340NW	>70Ra	59	22	65
<b>3000K</b>	50°	WL339WW	>80Ra	50	19	54
	50°	WL340WW	>80Ra	50	19	54
2700K NEW	50°	WL33927*	>80Ra	49	19	52
NEW	50°	WL34027*	>80Ra	49	19	52

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

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	297
WC 5-9	Quick release waterproof joint	296





WL341 WL342

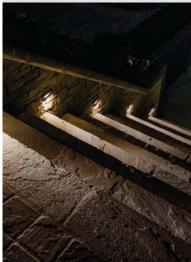


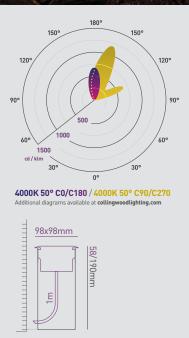


## **COLLINGWOOD** LIGHTING

#### 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









PHOTOMETRICS @ 25°C

2700K **NEW** 

NEW

Colour

**4000K** 

3000K



A

50°

50°

50°

50°

50°

50°





Product code

WL341NW

WL342NW

WL341WW

WL342WW

WL34127\*

WL34227\*





CRI

>70Ra

>70Ra

>80Ra

>80Ra

>80Ra

>80Ra





49







lm	lm/W	lx at 1m
59	22	65
59	22	65
50	19	54
50	19	54
49	19	52

52

19

	*Available on request, please call our team for lead times and MUL	1 on U16U4 495 151
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	297
WC 5-9	Quick release waterproof joint	296

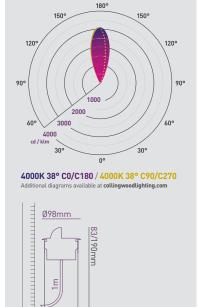






- > Recessed light for wall or ground mounting with built in hood to minimise
- > High quality stainless steel finish
- $\rangle \quad \text{Straight to mains for easy installation} \\ \text{and retrofitting}$







#### GL034A





(240V)

















without the installation sleeve = 80mm cut-out	Patent information: collingwoodlighting.com/p
with the installation sleeve = 85mm cut-out	

PHOTOMETRICS ® 25°C								
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m		
<b>4000K</b>	38°	GL034A NW	>70Ra	193	54	478		
<b>3000K</b>	38°	GL034A WW	>80Ra	121	34	186		
2700K NEW	38°	GL034A 27	>80Ra	118	33	181		

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	297
WC 5-9	Quick release waterproof joint	296



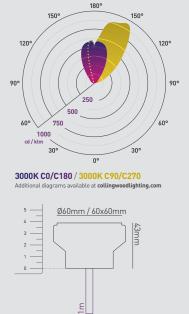


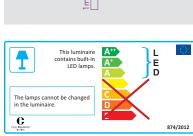




- > Angled light ideal for use as a step light
- Cast Stainless steel for aged effect (GL022)
- > Robust cable for outdoor use







GL021 | GL022 30° slotted LED ground light | Square 30° slotted LED ground light























PHO	OTOMETRICS (a 25	i°C					
Col	our	A	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
	2700K <b>NEW</b>	30°	GL021 27*	>80Ra	8	8	7
	NEW	30°	GL022 27*	>80Ra	8	8	7
	Blue	30°	GL021 BLUE	-	-	-	-
		30°	GL022 BLUE	-	_	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

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 or			
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 304

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	IP68 waterproof connectors	296-297
TUBE/50	Installation tube	131
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296







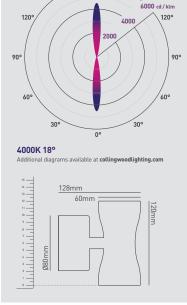
- Bi-directional, straight to mains wall light, perfect for framing entrances and illuminating columns
- > Equivalent to 35W halogen
- Solid copper option gradually ages over time to offer a wonderful antique effect

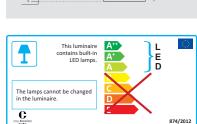


180°

150°

150°





### WL070A | WL170A | WL370A Straight to mains, up / down LED wall light





























Detect information	سمنفطست المحمدية سانته	/

WL	.070	A/	WL	17	0,4

L70, B10

ıt	information:	collingwoodlighting.com/patent	
ıt	information:	collingwoodlighting.com/patent	

PHC	PHOTOMETRICS @ 25°C						
Colo	our	$\triangle$	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
	2700K <b>NEW</b>	18°	WL070A 27*	>80Ra	390 <sup>+</sup>	49	875
	NEW	18°	WL170A 27*	>80Ra	390 <sup>+</sup>	24	875
	NEW	18°	WL370A 27*	>80Ra	390 <sup>+</sup>	24	875

\*Available on request, please call our team for lead times and MOQ on 01604 495 151 † 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 acce	essories associated with this product	



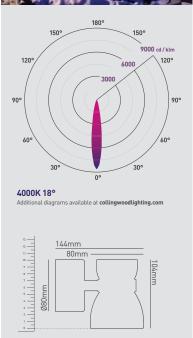


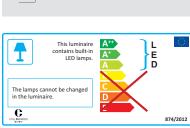




- > High output, narrow beam wall light perfect for creating a high contrast lit effect
- > Complete with wall fixings and waterproof crimp connectors
- > Equivalent to 35W halogen







### WL075A | WL175A Straight to mains, high output LED wall light



(A) 18°





















Patent information:	collingwoodlighting.	com/patent

(8W)

PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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
2700K NEW	18°	WL175A 27*	>80Ra	320	40	4316
NEW	18°	WL075A 27*	>80Ra	320	40	4316

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

	Available of Fequest, please call our lead times and Mod of Food 473 to
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 accessor	ries associated with this product		

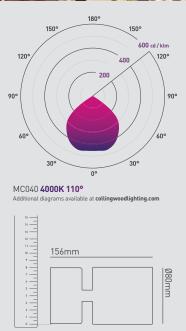


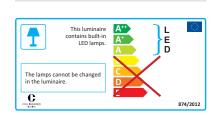




- > Complete with wall fixings and waterproof crimp connectors
- > Integral LED light for decorative effect (MC050)
- > Equivalent to 35W halogen







MC040 | MC050 Straight to mains LED wall light I Straight to mains LED wall light with decorative effect



(110°)















PHOTOMETRICS R25°C							
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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
● 2700K <b>NE</b> V	<b>N</b> 110°	MC040 27*	5	>80Ra	236	47	158
NE	<b>N</b> 110°	MC050 27*	6.5	>80Ra	236	36	158

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

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 ac	ccessories associated with this product



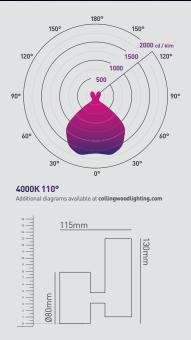


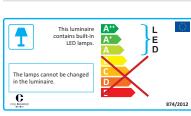


### FEATURES & BENEFITS

- > Bi-directional wall light offering decorative halo effect and functional downward flood light
- > Straight to mains
- > Complete with wall fixings and waterproof crimp connectors







### WL060 | WL160 Straight to mains LED halo / flood wall light



110°



















(2.6W)

PHOTOMETRICS ® 25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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
2700K NEW	110°	WL160 27*	>80Ra	56	22	25
NEW	110°	WL060 27*	>80Ra	56	22	25

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

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	-	-

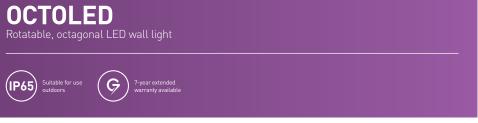
ACCESSORIES	
Product code	Description
There are currently no acc	cessories associated with this product





#### FEATURES & **BENEFITS**

- > Grazes light across the surrounding surface in four directions to create a decorative lit effect
- > Can be rotated to direct light in desired direction
- > Complete with wall fixings





Type of wiring required





Series











Patent information:	collingwoodlighting.com/patent

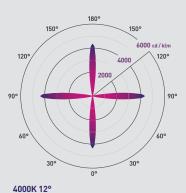
PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	12°	OCTOLEDNW	>70Ra	280	70	1485 <sup>†</sup>
3000K	12°	OCTOLEDWW	>80Ra	220	55	1466 <sup>†</sup>
2700K NEW	12°	OCTOLED27*	>80Ra	214	54	1425 <sup>†</sup>

	*Available on request, please call our team for lead times and MOQ on 01604 495 151 <sup>†</sup> From four sides
GENERAL	
Construction material	Anodised aluminium
WIRING	
Cable / flying lead	0.05m (0.205mm² red & black PTFE)

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	

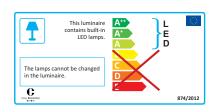
For LED driver	bathroom	zone &	additional	LED	drivers	see pa	age 2	290-295

	To EED article Batting The Caracteristic Car	EED di ivero see page 270 270
ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



diagrams available at collingwoodlighting.com









# **COLLINGWOOD** LIGHTING

### FEATURES & **BENEFITS**

- Equivalent to 50W 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



8W





















$\overline{}$		
	- 1	
		-
.70. B10		35
,		

PHOTO	METRICS (8 25°C	;					
Colour		$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
_ 40	000K	38°	WL140AFNW	>70Ra	520	65	1471
		38°	WL240AFNW	>70Ra	520	65	1471
<b>3</b> 0	000K	38°	WL140AFWW	>80Ra	413	52	1168
		38°	WL240AFWW	>80Ra	413	52	1168
<u> </u>	700K <b>NEW</b>	38°	WL140A F 27*	>80Ra	400	50	1135
	NEW	38°	WL240A F 27*	>80Ra	400	50	1135

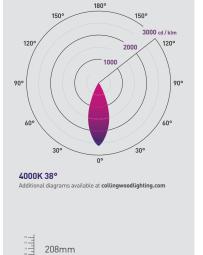
	Available of request, please call our team for lead times and mod of orototal				
RAL					
ruction material	Anodised aluminium				

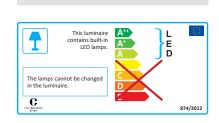
GENER Constru Inrush current 15A 0.5ms

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 acco	essories associated with this product





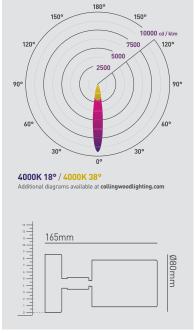


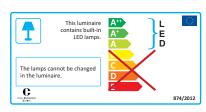




- > Equivalent to 20W halogen
- > Complete with wall fixings and waterproof crimp connectors
- > Adjustable angle to direct light
- > Suitable for indoor and outdoor use







# WL220A MAINS Straight to mains LED wall light



(3.6W)

18 38°











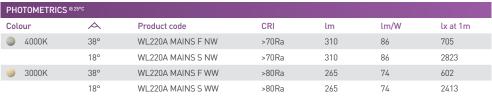












GENERAL	
Construction material	Anodised aluminium
Inrush current	9A 0.8ms

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 acces	ssories associated with this product

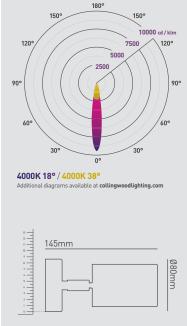


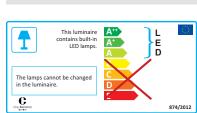






- > Equivalent to 20W halogen
- > Complete with wall fixings
- > Adjustable angle to direct light
- > Copper for antique effect (WL320A)
- > Suitable for indoor and outdoor use





# WL220A | WL020A BLK | WL320A

LED wall light























Patent information: collingwoodlighting.com/pa	tent

3W

information: collingwoodlighting.com/patent	

РНОТОМІ	ETRICS @ 25°C						
Colour	$\wedge$		Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b>	K 38°	0	WL220A F NW	>70Ra	310	103	705
	189	0	WL220A S NW	>70Ra	310	103	2823
	389	0	WL020A BLK F NW	>70Ra	310	103	705
	189	0	WL020A BLK S NW	>70Ra	310	103	2823
	389	0	WL320A F NW	>70Ra	310	103	705
3000	K 38°	0	WL220A F WW	>80Ra	265	88	602
	189	0	WL220A S WW	>80Ra	265	88	2413
	389	0	WL020A BLK F WW	>80Ra	265	88	602
	189	0	WL020A BLK S WW	>80Ra	265	88	2413
	389	0	WL320A F WW	>80Ra	265	88	602

GENERA	L	

Construction material WL220A / WL020A: Anodised aluminium WL320A: Copper

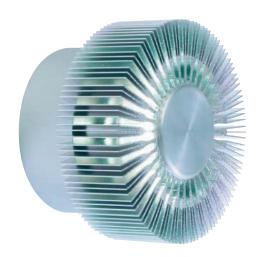
WIRING	
Cable / flying lead	0.05 (0.205mm² red & black PTFE)
Type of wiring required	Series

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	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 290-295

ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296





> Unique radial appearance creates a decorative lit effect on surrounding surfaces

**COLLINGWOOD** LIGHTING

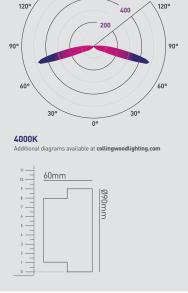
- > Can be used for interior and exterior applications
- > Straight to mains for easy installation
- > Complete with bracket and waterproof crimp connectors

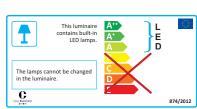


180°

150°

600 cd / klm





# WL041IP























ZONE

3SDCM

PHOTOMETRICS @25°C							
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000</b> K	-	WL041 IP NW	>70Ra	37	23	8	
3000K	-	WL041 IP WW	>80Ra	33	21	6	
2700K NEW	-	WL041 IP 27*	>80Ra	32	20	6	
Amber	-	WL041 IP AMBER	-	-	-	-	
Blue	-	WL041 IP BLUE	-	-	-	-	
			*Available on	request, please call	our team for lead times a	and MOQ on 01604 495 151	

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

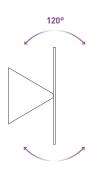
LED DRIVERS					
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

ACCESSORIES	
Product code	Description
There are currently no acces	ssories associated with this product



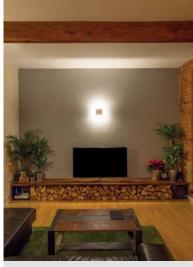


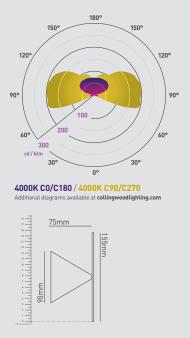


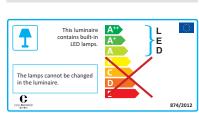




- > Tiltable LED wall light
- > Direct light towards the ceiling to flood the room with light
- > Direct light towards the floor for low level lighting
- > Direct light evenly up and down







# **WL80**























PHOTOMETRICS @25°C								
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	Adjustable	WL80GX0X40	7.1	>85Ra	385*	54	49 <sup>†</sup>	
3000K	Adjustable	WL80GX0X30	5.4	>85Ra	325*	60	49 <sup>†</sup>	

		* Combined total from both sets of LED $\mid$ *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		



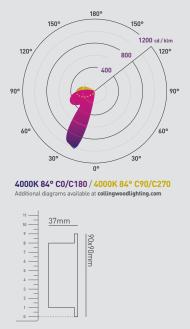
There are currently no accessories associated with this product

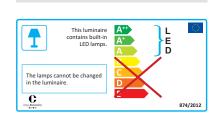




- > Plug & Play connector for quick installation
- > Wall box available







# WL050 LED wall / step light





(1W)













		1	

PHOTOMETRICS @25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	84°	WL050 NW	>80Ra	62	52	23
3000K	84°	WL050 WW	>80Ra	29	24	13
2700K NEW	84°	WL050 27*	>80Ra	28	23	13
Blue	84°	WL050 BLUE	_	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

#### 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 290-29

Description	
Wall box for WL050	149
1m Plug & Play extension lead	231
6-way 1m Plug & Play extension lead	231
Grid dimmer kit for multiple fitting types	296
	Wall box for WL050 1m Plug & Play extension lead 6-way 1m Plug & Play extension lead

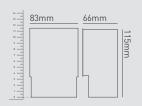








Wall box does not contain an earth terminal, therefore you should not place LED driver into bottom of unit



# WL050 WALL BOX Wall box for WL050







PRODUCT DATA	
Product code	WL050 WALL BOX

GENERAL Construction material Steel

USE IN CONJUNCTION WIT	Н	
Product code	Description	
WL050	LED wall / step light	148



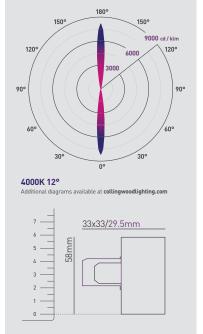


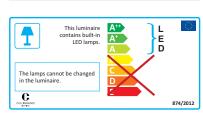
# COLLINGWOOD LIGHTING

# FEATURES & BENEFITS

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







# MC020 S























PHOTOMETRICS © 25°C							
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	12°	MC020 S NW	>70Ra	140	70	1485	
3000K	12°	MC020 S WW	>80Ra	110	55	1466	
2700K NEW	12°	MC020 S 27*	>80Ra	107	54	1425	
Amber	12°	MC020 S AMBER	-	-	-	-	
Blue	12°	MC020 S BLUE	-	-	-	-	
Green	12°	MC020 S GREEN	-	-	-	-	
Red	12°	MC020 S RED	-	-	-	-	

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

#### 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						licable 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 290-295

ACCESSORIES		
Product code	Description	
CR135	PTFE cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
UY2 CONNECTOR	Quick waterproof connector	296







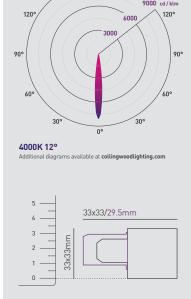


- > Mini cube spot light for discreet accent lighting of interior and exterior spaces
- > Bespoke wall plug for easy installation
- > Quality brushed aluminium finish
- > Requires 20mm drill bit



180°

150°





# MC010 S

Mini cube LED wall light























PHO	PHOTOMETRICS @ 25°C						
Colo	our	A	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
	2700K <b>NEW</b>	12°	MC010 S 27*	>80Ra	53	53	1425
	Amber	12°	MC010 S AMBER	-	-	-	-
	Blue	12°	MC010 S BLUE	-	-	-	-
	Green	12°	MC010 S GREEN	-	-	-	-
	Red	12°	MC010 S RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

### GENERAL

Construction material Anodised Aluminium

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

LED DRIVERS						licable 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 290-295

Product code Description	'n
CR135 PTFE cab	e <b>297</b>
PDC/GRID DIMMER Grid dimn	ner kit for multiple fitting types 296
UY2 CONNECTOR Quick wat	erproof connector 296







# **COLLINGWOOD** LIGHTING

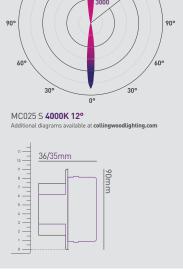
### FEATURES & BENEFITS

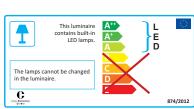
- > Straight to mains mini cube spot lights for discreet accent lighting of interior
- > Quality brushed aluminium finish
- > Complete with wall fixings and waterproof crimp connectors
- > Pattress box included

150°



150°





 $\begin{array}{c|c} \textbf{MC015 S} & \textbf{MC025 S} \\ \textbf{Straight to mains mini LED cube wall light I Straight to mains, up / down mini LED cube wall light} \end{array}$ 





























PHOTOMETRICS @25°C							
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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
2700K NEW	12°	MC015 S 27*	1.5	>80Ra	53	35	1425
NEW	12°	MC025 S 27*	2.3	>80Ra	107	47	1425
*Available on request, please call our team for lead times and MOQ on 01604 495 151							

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	-	-	-



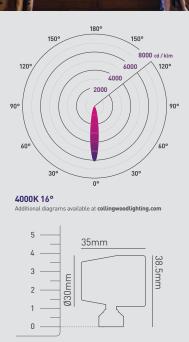


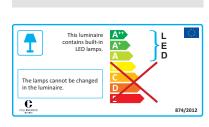




- > Mini spot light for discreet illumination
- $\rangle$   $\,$  Can be used for interior and exterior applications
- > Can be rotated and angled to direct light







# MF02 IP



16°





















(1W)

PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	16°	MF02 IP NW	>70Ra	66	66	452
3000K	16°	MF02 IP WW	>80Ra	53	53	252
2700K NEW	16°	MF02 IP 27*	>80Ra	52	52	245
Amber	16°	MF02 IP AMBER	-	-	-	-
Blue	16°	MF02 IP BLUE	-	-	-	-
Green	16°	MF02 IP GREEN	-	-	-	-
Red	16°	MF02 IP RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

For LED driver bathroom zone & additional LED drivers see page 290-295

#### GENERAL

Construction material Stainless steel (316)

### WIRING

0.15m (0.205mm² red & black PTFE) Cable / flying lead

Type of wiring required Series

LED DRIVERS					Bathroom zone app	licable 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

ACCESSORIES		
Product code	Description	
WB/M 01 / WB/M 02	Single bracket / double bracket	155
CR135	PTFE cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
UY2 CONNECTOR	Quick waterproof connector	297



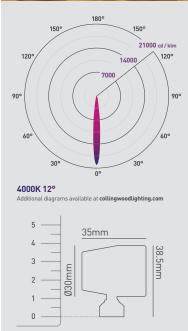


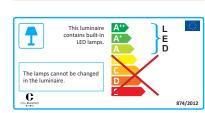




- > Mounting plates available
- > Can be rotated and angled to direct light







# MS02 IP Adjustable LED mini light



























Patent information:	collingwoo	dlighting.co	m/paten

PHOTOMETRICS (8.2)	!5°C					
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	12°	MS02 IP NW	>70Ra	73	73	2160
3000K	12°	MS02 IP WW	>80Ra	50	50	2000
2700K NEW	12°	MS02 IP 27*	>80Ra	49	49	1944
Amber	12°	MS02 IP AMBER	-	-	-	-
Blue	12°	MS02 IP BLUE	-	-	-	-
Green	12°	MS02 IP GREEN	-	-	-	-
Red	12°	MS02 IP RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

#### GENERAL

Construction material Stainless steel (316)

### WIRING

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

LED DRIVERS					Bathroom zone app	licable 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 290-295

ACCESSORIES		
Product code	Description	
WB/M 01 / WB/M 02	Single bracket / double bracket	155
CR135	PTFE cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
UY2 CONNECTOR	Quick waterproof connector	297











WB/M02

1-year

Stainless steel 316

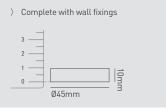
> Complete with wall fixings

84mm

# 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	153		
MS02 IP	154		







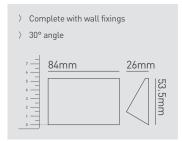


<u>13m</u>m

# 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	153			
MS02 IP	154			
WB/M BOX	155			



# WB/M BOX Back box for WB/M 02/30°

WB/M 02
Bracket for MF02 IP & MS02 IP

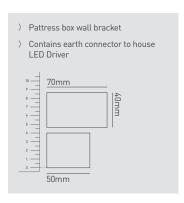
Product Code

Guarantee

Construction material

Product Code	WB/M BOX
Construction material	Steel
Guarantee	1-year

USE IN CONJUNCTION WITH	
WB/M 02/30°	155





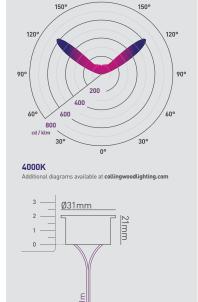


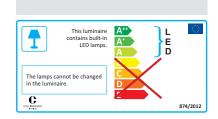


- > Small & discreet decorative recessed LED light
- > Perfect for discreet decorative light in interior and exterior applications



180°





# **ML01**



(1W)















PHOTOMETRICS 925°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	-	ML01 NW	>70Ra	4	4	0
3000K	-	ML01 WW	>80Ra	3.6	3	0
2700K NEV	٧ -	ML01 27*	>80Ra	3.5	3.5	0
Amber	-	ML01 AMBER	-	-	-	-
Blue	-	ML01 BLUE	-	-	-	-
Green	-	ML01 GREEN	-	-	-	-
Red	-	ML01 RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

#### GENERAL

Construction material Stainless steel (316)

W	ΊR	IN	G
M	шх	ш	•

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

LED DRIVERS					athroom zone app	
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
			Fo	r LED driver bathroom zone & add	ditional LED drive	s see page <b>290-295</b>

ACCESSORIES		
Product code	Description	
CR135	0.205mm² PTFE cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
UY2 CONNECTOR	Quick waterproof connector	297







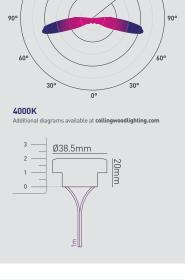


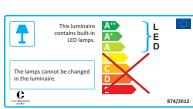
- > Great for guidance lighting
- > Can be used in interior and exterior applications
- > Small & discreet decorative LED light
- > Raised profile creates diffused glow effect on surrounding surface



180°

150° 600 cd / klm 120°





# **ML02**



(1W)



















PHOTOMETRICS @ 25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	-	ML02 NW	>70Ra	35	35	4
3000K	-	ML02 WW	>80Ra	24	24	3
2700K NEW	-	ML02 27*	>80Ra	23	23	3
Amber	-	ML02 AMBER	-	-	-	-
Blue	-	ML02 BLUE	-	-	-	-
Green	-	ML02 GREEN	-	-	-	-
Red	-	ML02 RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

#### GENERAL

Construction material Stainless steel (316)

#### WIRING 1m (0.205mm² red & black PTFE) Cable / flying lead

Type of wiring required Series

LED DRIVERS				E	Bathroom zone app	licable 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 290-295

ACCESSORIES		
Product code	Description	
CR135	PTFE cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
UY2 CONNECTOR	Quick waterproof connector	297

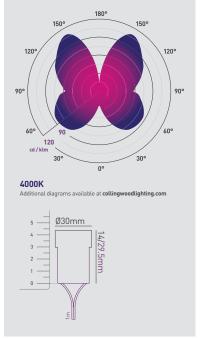


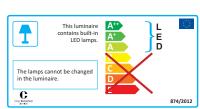




- > Raised profile creates diffused glow effect on surrounding surface
- > Can be used for interior and exterior applications
- > Small, discreet and low glare decorative LED light







# **ML03**



(1W)













PHOTOMETRICS @25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	-	ML03 NW	>70Ra	40	40	4
3000K	-	ML03 WW	>80Ra	28	28	3
2700K NEW	-	ML03 27*	>80Ra	27	27	3
Amber	-	ML03 AMBER	-	-	-	-
Blue	-	ML03 BLUE	-	-	-	-
Green	-	ML03 GREEN	-	-	-	-
Red	-	ML03 RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

CEN	ERAL
GEIN	ERAL

Cable / flying lead Type of wiring required

PLD UNI-DRIVE 350MA

Construction material Anodised aluminium

WIRING

LED DRIVERS					athroom zone app	
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

1m (0,205mm² red & black PTFE)

Series

350

Yes (1-10V) For LED driver bathroom zone & additional LED drivers see page 290-295

ACCESSORIES		
Product code	Description	
CR135	PTFE cable	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
UY2 CONNECTOR	Quick waterproof connector	297









WL070A For size reference only

# **COLLINGWOOD** LIGHTING

### FEATURES & **BENEFITS**

- > Supreme quality, high output, anodised wall light suitable for illuminating large
- > single or bi-directional low glare fitting
- $\rangle \ \ \text{IP mains connector included}$
- > Complete with wall fixings

WL261 | WL262
Large, straight to mains, one way LED wall light | Large, straight to mains up, / down LED wall light













WL261



WL262





18 38°	(240V)	(44°C)
D-44:-6		h4:/4

PHO	PHOTOMETRICS © 25°C							
Cold	our	$\triangle$	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 <sup>†</sup>	75	3786‡
		18°	WL262SNW*	40	>80Ra	3000†	75	11695‡
	3000K	38°	WL261FWW	22	>80Ra	1350	61	3315
		18°	WL261SWW*	22	>80Ra	1350	61	9154
		38°	WL262FWW	40	>80Ra	2700†	68	3315‡
		18°	WL262SWW*	40	>80Ra	2700 <sup>†</sup>	68	9154‡
	2700K <b>NEW</b>	38°	WL261F27*	22	>80Ra	1310	60	3222
	NEW	18°	WL261S27*	22	>80Ra	1310	60	8898
	NEW	38°	WL262F27*	40	>80Ra	2620 <sup>†</sup>	65	3222‡
	NFW	18°	WI 262S27*	40	>80Ra	2620 <sup>†</sup>	65	8898‡

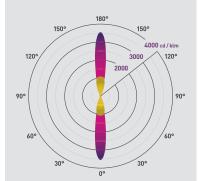
\*Available on request, please call our team for lead times and MOQ on 01604 495 151 | \* Combined total from both sets of LED | \*Per module

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

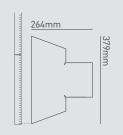
WIRING	
Cable / flying lead	Supplied with 2pc male / female IP65 connector, 5-9mm cable outer diameter
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

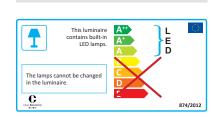
LED DRIVERS					
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES	
Product code	Description
There are currently no acc	cessories associated with this product



WL262 4000K 18° / 4000K 38° woodlighting.com













# **WL92**

Straight to mains, general purpose LED bulkhead



(14.6W)

(110°)



(240V)















ZONE	L70,
------	------

PHOTOMETRICS (M.SP)C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	110°	WL92KC1X40	>85Ra	1620	111	612
3000K	110°	WL92KC1X30	>85Ra	1450	99	547

EMERGENCY PACK SERVICE OPTION PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	110°	WL92KC1E40	>85Ra	1620 162*	111	612
3000K	110°	WL92KC1E30	>85Ra	1450 145*	99	547

		* Operat	ng lumens in maintained emergency mode(
GENERAL			

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

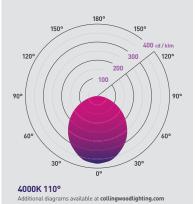
LED DRIVERS						
Product code	mA	Dimming	Power factor	Bathroom zone	Min	Max
N/A (integrated LED driver)	-	No	0.9	2	-	-

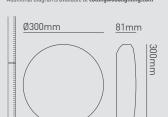
ACCESSORIES	
Product code	Description
There are currently no acces	sories associated with this product

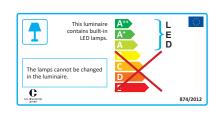
# **COLLINGWOOD** LIGHTING

### FEATURES & **BENEFITS**

- $\rangle$   $\,$  Ideal for corridors, stairwells, high traffic and general areas
- angle 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







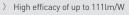


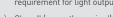


# FEATURES &

- > Ideal for corridors, stairwells, high traffic and general areas
- > 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
- > Microwave sensor will trigger up to 10m

# **BENEFITS**





- consumption by powering off when the surrounding area is unoccupied





# WL92 ))

Straight to mains, general purpose LED bulkhead with microwave sensor



(110°















Ø300mm



_		
NE		

PHOTOMETRICS @ 25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	110°	WL92KC1S40	>85Ra	1620	111	612
3000K	110°	WL92KC1S30	>85Ra	1450	99	547

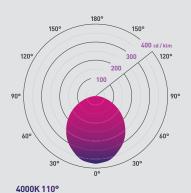
■ EMERGENCY PACK SERVICE OPTION PHOTOMETRICS @25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	110°	WL92KC1C40	>85Ra	1620 162*	111	612
3000K	110°	WL92KC1C30	>85Ra	1450 145*	99	547

		* Operating lumens in maintained emergency mode 🌘
GENERAL		
Construction material	PMMA plastic	
Inrush current	7.1A, 0.05ms	

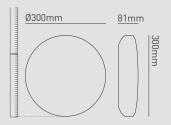
WIRING	
Cable / flying lead	Push-fit terminals 1.5mm max.
Type of wiring required	Parallel (mains) 220-240V AC, 50-60Hz

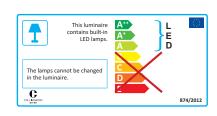
LED DRIVERS						
Product code	mA	Dimming	Power factor	Bathroom zone	Min	Max
N/A (integrated LED driver)	-	No	0.9	2	-	-

ACCESSORIES	
Product code	Description
There are currently no access	sories associated with this product



ms available at collingwoodlighting.com











### **ATMOSPHERE** & COLOUR TEMPERATURE

When designing an installation choosing the colour temperature can have a massive effect on the atmosphere of a room. Choose between warmer and cooler temperatures to get the ideal atmosphere for your installation.



#### Warmest

For a warm cosy look use 2700K.

#### LED Strip available in 2700K...

LSV02, LSV42, LSV82, LSV05, LSV45, LSV85, LSV04, LSV44, LSV84, LSV06, LSV46, LSV86, LSC03, LSC43, LSC45, LSC83





#### Warm

For the warmth of a halogen use 3000K.

#### LED Strip available in 3000K...

LSV02, LSV42, LSV82, LSV05, LSV45, LSV85, LSV04, LSV44, LSV84, LSV06, LSV46, LSV86, LSC03, LSC43, LSC45, LSC83





#### **Natural White**

For a look similar to day light use 4000K.

#### LED Strip available in 4000K...

LSV02, LSV42, LSV82, LSV05, LSV45, LSV85, LSV04, LSV44, LSV84, LSV06, LSV46, LSV86, LSC03, LSC43, LSC45,



#### Coo

For a cool clean look use 6500K.

#### LED Strip available in 6500K...

LSV02, LSV42, LSV82, LSV05, LSV45, LSV85, LSV04, LSV44, LSV84, LSV06, LSV46, LSV86





### **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









### **IP RATING - WHAT RATING DO I NEED?**



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

IP20 LED Strip...

LSV02, LSV05, LSV04, LSV06, LSC03



Ideal for use indoors, such as bathrooms or places where water might splash. Easy to clean.

IP44 LED Strip...

LSV42, LSV45, LSV44, LSV46, LSC43, LSC45



Ideal for use outdoors, such as gardens, building externals or places with regular contact with water.

IP65 LED Strip...

LSV82, LSV85, LSV84, LSV86, LEDSTRIP IP



Ideal for outdoor use and permanent submersion in water.

IP68 LED Strip (when not cut)...

LSV82, LSV85, LSV84, LSV86, LSC83

### WHICH LED STRIP FOR MY INSTALLATION?

Every installation is unique and depending on the desired effect there is an LED strip ideal for it. There are four different wattages of LED strip that Collingwood Lighting provide and each is designed for a different purpose.



4.8W LED strip is ideal for task lighting, under cabinets and kickboards.

4.8W LED Strip...

LSV02, LSV42, LSV82, LSC03, LSC43, LSC83



9.6W LED strip is ideal for accent lighting used in coves to create atmosphere.

9.6W LED Strip...

LSV05, LSV45, LSV85, LSC45



14.4W LED strip is ideal for lighting up a room using coves.

14.4W LED Strip...

LSV04, LSV44, LSV84



19.2W LED strip is ideal for lighting up a room with higher ceilings or with exposed beams.

19.2W LED Strip...

LSV06, LSV46, LSV86









### **PROFILE** BENEFITS

### Light diffusion

No profile

With profile

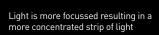


## Longer life for LED strip

No profile

With profile





Diffuses light to give a wash of light, and hides LEDs

The heat will stay within the product and result in a shorter life for the LED

The heat will dissipate through the profile resulting in a longer LED life. This is especially important for the high output LED strip.

# **CHOOSING THE IDEAL LED STRIP**

# FOR YOUR INSTALLATION

Follow the 3 easy steps below to work out the perfect LED strip for your installation



Where are you using your LED strip?

What IP rating do you need?



#### **Indoor spaces**

For indoor spaces such as living rooms, dining rooms and other living spaces IP20 LED strip is the ideal choice.







2

Do you need primary or secondary lighting?

How powerful does the LED strip need to be?



#### Secondary lighting

4.8W LED strip is ideal for task lighting, under cabinets and kickboards.





3

How warm or cool would you like the atmosphere of the room to be?

What colour temperature do you need?



#### Warmest

For a warm cosy look use 2700K.



Now you know what you need use the tables on the next page to work out which LED strip you need



#### **Indoor spaces near water**

For indoor spaces such as kitchens or bathrooms IP44 LED strip is the ideal choice.





When cut the LED strip becomes IP65

#### Outdoor spaces & under water

For outdoor spaces IP65 and above is ideal. When putting LED strip under water IP68 is the only choice.









#### **Secondary lighting**

9.6W LED strip is ideal for accent lighting used in coves to create atmosphere.







#### **Primary lighting**

14.4W LED strip is ideal for lighting up a room using coves.







#### **Primary lighting**

19.2W LED strip is ideal for lighting up a room with higher ceilings or with exposed beams.







#### Warm

For the warmth of a halogen use 3000K.





### **Natural** white

For a look similar to daylight use 4000K.





#### Cool

For a cool clean look use 6500K.



# **CHOOSING THE IDEAL LED STRIP**

# FOR YOUR INSTALLATION

Now you know what IP rating, wattage and colour temperature you need, use the tables below to work out which LED strip you need

- 1 First find the IP rating that you need.
- 2 Now you've narrowed down your search, work your way across the table to find the wattage you need.
- Finally, work your way across the table again to find the colour temperature you have chosen.
- This will give you the LED strip partcode you need to place your order.

### **Premium**

Our premium Collingwood LED strip is constant current to ensure there is no loss in light output no matter how long the LED strip or how far away the driver is.

## **Essentially Collingwood**

Our Essentially Collingwood LED strip is constant voltage making it perfect for shorter distances. There will be no loss of light output up to 5m.

	IP rating	Wattage	Colour temperature
LSC0327050 Page 186	IP20	4.8W/m	2700K
LSC0330050 Page 186	IP20	4.8W/m	3000K
LSC0340050 Page 186	IP20	4.8W/m	4000K
LSC4327050 Page 187	IP44	4.8W/m	2700K
LSC4330050 Page 187	IP44	4.8W/m	3000K
LSC4340050 Page 187	IP44	4.8W/m	4000K
LSC4527050 Page 188	IP44	14.4W/m	2700K
LSC4530050 Page 188	IP44	14.4W/m	3000K
LSC4540050 Page 188	IP44	14.4W/m	4000K
LEDSTRIP IP WW Page 190	IP66	2.9W/m	3000K
LEDSTRIP IP NW Page 190	IP66	2.9W/m	4000K
LSC8327050 Page 189	IP68	4.8W/m	2700K
LSC8330050 Page 189	IP68	4.8W/m	3000K
LSC8340050 Page 189	IP68	4.8W/m	4000K

	IP rating	Wattage	Colour temperature
LSV0227050 Page 174	IP20	4.8W/m	2700K
LSV0230050 Page 174	IP20	4.8W/m	3000K
LSV0240050 Page 174	IP20	4.8W/m	4000K
LSV0265050 Page 174	IP20	4.8W/m	6500K
<b>LSV0527050</b> Page 175	IP20	9.6W/m	2700K
<b>LSV0530050</b> Page 175	IP20	9.6W/m	3000K
<b>LSV0540050</b> Page 175	IP20	9.6W/m	4000K
LSV0565050 Page 175	IP20	9.6W/m	6500K
<b>LSV0427050</b> Page 176	IP20	14.4W/m	2700K
LSV0430050 Page 176	IP20	14.4W/m	3000K
<b>LSV0440050</b> Page 176	IP20	14.4W/m	4000K
LSV0465050 Page 176	IP20	14.4W/m	6500K
LSV0627050 Page 177	IP20	19.2W/m	2700K
LSV0630050 Page 177	IP20	19.2W/m	3000K
LSV0640050 Page 177	IP20	19.2W/m	4000K
LSV0665050 Page 177	IP20	19.2W/m	6500K

## **IP** rating

(IP20)

Indoor spaces



Indoor spaces near water



Outdoor spaces & under water

When cut the LED strip becomes IP65. This is still ideal for outdoor use, but can't be used underwater

## Wattage



Secondary lighting



Secondary lighting



Primary lighting



Primary lighting

## **Colour temperature**



Warmest



Warm



Natural white



Cool

	IP rating	Wattage	Colour temperature
LSV4227050 Page 178	IP44	4.8W/m	2700K
LSV4230050 Page 178	IP44	4.8W/m	3000K
LSV4240050 Page 178	IP44	4.8W/m	4000K
LSV4265050 Page 178	IP44	4.8W/m	6500K
LSV4527050 Page 179	IP44	9.6W/m	2700K
LSV4530050 Page 179	IP44	9.6W/m	3000K
LSV4540050 Page 179	IP44	9.6W/m	4000K
LSV4565050 Page 179	IP44	9.6W/m	6500K
LSV4427050 Page 180	IP44	14.4W/m	2700K
LSV4430050 Page 180	IP44	14.4W/m	3000K
LSV4440050 Page 180	IP44	14.4W/m	4000K
LSV4465050 Page 180	IP44	14.4W/m	6500K
LSV4627050 Page 181	IP44	19.2W/m	2700K
LSV4630050 Page 181	IP44	19.2W/m	3000K
LSV4640050 Page 181	IP44	19.2W/m	4000K
LSV4665050 Page 181	IP44	19.2W/m	6500K

LSV8227050   Page 182   IP68   IP68   IP65 when cut   IP68   IP68   IP65 when cut   IP68   IP68   IP65 when cut   IP68   IP
LSV8240050 Page 182 [IP65 when cut] 4.8W/m 3000K  LSV8240050 Page 182 [IP68 (IP65 when cut] 4.8W/m 4000K  LSV8265050 Page 182 [IP68 (IP65 when cut] 4.8W/m 6500K  LSV8527050 Page 183 [IP68 (IP65 when cut] 9.6W/m 2700K  LSV8530050 Page 183 [IP68 (IP65 when cut] 9.6W/m 3000K  LSV8540050 Page 183 [IP68 (IP65 when cut] 9.6W/m 4000K  LSV8565050 Page 183 [IP68 (IP65 when cut] 9.6W/m 6500K  LSV8427050 Page 184 [IP68 (IP65 when cut] 14.4W/m 2700K  LSV8430050 Page 184 [IP68 (IP65 when cut] 14.4W/m 3000K  LSV8440050 Page 184 [IP68 (IP65 when cut] 14.4W/m 4000K  LSV8445050 Page 184 [IP68 (IP65 when cut] 14.4W/m 4000K  LSV8445050 Page 184 [IP68 (IP65 when cut] 14.4W/m 6500K
LSV8240050 Page 182 [IP65 when cut] 4.8W/m 4000K  LSV8265050 Page 182 [IP68   4.8W/m 6500K]  LSV8527050 Page 183 [IP68   9.6W/m 2700K]  LSV8530050 Page 183 [IP68   9.6W/m 3000K]  LSV8540050 Page 183 [IP65 when cut] Phen 4000K  LSV8565050 Page 183 [IP68   9.6W/m 4000K]  LSV8427050 Page 184 [IP65 when cut] Phen 4000K  LSV84427050 Page 184 [IP68   14.4W/m 2700K]  LSV84430050 Page 184 [IP68   14.4W/m 3000K]  LSV8440050 Page 184 [IP68   14.4W/m 4000K]  LSV8445050 Page 184 [IP68   14.4W/m 4000K]  LSV84465050 Page 184 [IP68   14.4W/m 4000K]  LSV84465050 Page 184 [IP68   14.4W/m 4000K]  LSV84465050 Page 184 [IP68   14.4W/m 4000K]  LSV8465050 Page 184 [IP68   14.4W/m 4000K]  LSV8465050 Page 184 [IP68   14.4W/m 4000K]
LSV8527050 Page 183
LSV8527050 Page 183 (IP65 when cut) 9.6W/m 2700K  LSV8530050 Page 183 IP68 (IP65 when cut) 9.6W/m 3000K  LSV8540050 Page 183 IP68 (IP65 when cut) 9.6W/m 4000K  LSV8565050 Page 183 IP68 (IP65 when cut) 9.6W/m 6500K  LSV8427050 Page 184 IP68 (IP65 when cut) 14.4W/m 2700K  LSV8430050 Page 184 IP68 (IP65 when cut) 14.4W/m 3000K  LSV8440050 Page 184 IP68 (IP65 when cut) 14.4W/m 4000K  LSV8465050 Page 184 IP68 (IP65 when cut) 14.4W/m 6500K
LSV8540050 Page 183 [IP65 when cut] 9.6W/m 3000K  LSV8540050 Page 183 [IP68 (IP65 when cut] 9.6W/m 4000K  LSV8565050 Page 183 [IP68 (IP65 when cut] 9.6W/m 6500K  LSV8427050 Page 184 [IP68 (IP65 when cut] 14.4W/m 2700K  LSV8430050 Page 184 [IP68 (IP65 when cut] 14.4W/m 3000K  LSV8440050 Page 184 [IP68 (IP65 when cut] 14.4W/m 4000K  LSV8465050 Page 184 [IP65 when cut] 14.4W/m 6500K
LSV8565050 Page 183 (IP65 when cut)
LSV8427050 Page 183 [IP65 when cut] 9.6W/m 65UUK  LSV8427050 Page 184 IP68 [IP65 when cut] 14.4W/m 2700K  LSV8430050 Page 184 IP68 [IP65 when cut] 14.4W/m 3000K  LSV8440050 Page 184 IP68 [IP65 when cut] 14.4W/m 4000K  LSV8465050 Page 184 IP68 [IP65 when cut] 14.4W/m 6500K
LSV8427050 Page 184 [IP65 when cut] 14.4W/m 2700K  LSV8430050 Page 184 [IP65 when cut] 14.4W/m 3000K  LSV8440050 Page 184 [IP68 [IP65 when cut] 14.4W/m 4000K  LSV8465050 Page 184 [IP68 when cut] 14.4W/m 6500K
LSV8440050 Page 184 (IP65 when cut) 14.4W/m 3000K  LSV8440050 Page 184 IP68 (IP65 when cut) 14.4W/m 4000K  LSV8465050 Page 184 IP68 (IP65 when cut) 14.4W/m 6500K
LSV8445050 Page 184 (IP65 when cut) 14.4W/m 40UUK  LSV8465050 Page 184 IP68 (IP65 when cut) 14.4W/m 6500K
L5V8465050 Page 184 (IP65 when cut) 14.4W/m 6500K
IP48
LSV8627050 Page 185   IF 60   19.2W/m   2700K
LSV8630050 Page 185
LSV8640050 Page 185
LSV8665050 Page 185

# **CHOOSING THE IDEAL PROFILE**

# FOR YOUR INSTALLATION

We recommend using profile to provide a clean, flat surface and a professional finish.

### Recessed profile

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

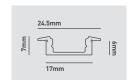
### Surface-mount profile

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







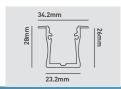


7mm deep recessed anodised aluminium profile & translucent diffuser

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







## **RP28**

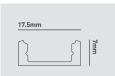
Product Code	1m: RP28010 2m: RP28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1-year

### ACCESSORIES (Supplied with profile)

End cap (Not sold separately)





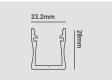


SM7
7mm slim surface-mount anodised aluminium profile & translucent diffuser

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







#### SM28

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

## ACCESSORIES (Sold separately) SM28ECA SM28MB End cap Mounting bracket

## 7mm deep profile

A thinner recessed profile will fit into thinner materials. A thinner surface-mount profile is more discreet when surface mounted.

## 28mm deep profile

A deeper profile will create a diffused light for a softer ambiance.

## Floor profile

Perfect for surface mounting where the strip can be walked over. The convex shape ensures the installation will not become a trip hazard.

### Surface-mount corner profile

Ideal for installing into a  $90\,^\circ$  corner. Use under shelves and cabinets to create a seamless installation.



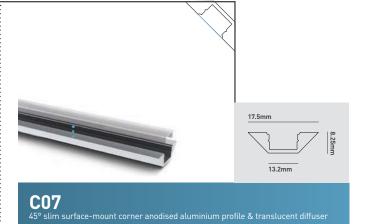




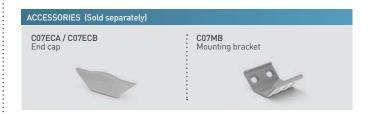
# CX7 7mm slim surface-mount anodised aluminium profile & translucent diffuser

Product Code	1m: CX7010 2m: CX7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1-year

ACCESSORIES (Sold separately)	
CX7ECA / CX7ECB End cap	CX7ECC / CX7ECD End cap with holding ears
9	6



# Product Code 1m: C07010 2m: C07020 Construction material Anodised aluminium & plastic diffuser Guarantee 1-year



# **CHOOSING PROFILE FOR LEDSTRIP IP**

# IN YOUR INSTALLATION

We recommend using profile to provide a clean, flat surface and a professional finish.

### Recessed profile

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

### Surface-mount profile

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

### Floor profile

Perfect for surface mounting where the strip can be walked over. The convex shape ensures the installation will not become a trip hazard.



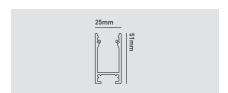


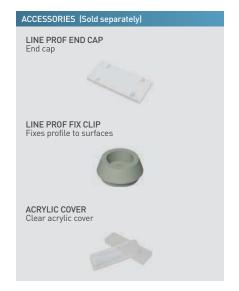


# LINE PROFILE 20MM 1M Recessed profile for LEDSTRIP IP

**Product Code** 1m: LEDLINE PROFILE 20MM 1M Anodised aluminium & plastic diffuser Construction material

Guarantee 1-year

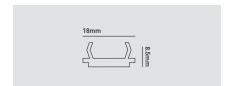






## **U PROFILE 6X12 1M**

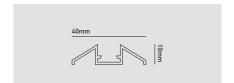
**Product Code** 1m: U PROFILE 6X12 1M Construction material Anodised aluminium & plastic diffuser Guarantee 1-year





# PROFILE 6X12

Black: PR0F6X12BLK Silver: PR0F6X12SIL **Product Code** Anodised aluminium & plastic diffuser Construction material Guarantee 1-year

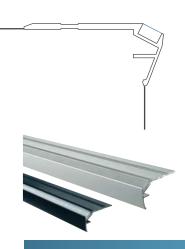


# **LED COVE PACKS**FOR YOUR INSTALLATION

Cove packs are a great way to illuminate a room by reflecting light off a ceiling.

## Stair profile

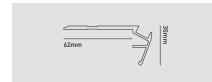
Ideal for installing into a  $90^{\circ}$  corner on stairs where the profile will be stepped on.



# STAIR PROFILE Stair nosing for LEDSTRIP IP

Product Code	Black: SPBLK2M Silver: SPSII 2M
Construction material	Anodised aluminium & plastic diffuser

Guarantee 1-year





Product Code	LED COVE PACK
Construction material	Plastic
Guarantee	1-year



## Why a cove pack?

A cove pack creates a clean professional finish when directing light from LED strip on to the ceiling. By pointing the LED strip upwards it creates a striking wash of light up the wall as well as light hitting the ceiling and reflecting back to illuminate the room.

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.

# **ACCESSORIES**

# FOR YOUR LED STRIP

You may need additional connectors to extend your LED strip





# LSBFC8 Connects LED strip to more LED strip

Product Code LSBFC8

Connector cannot be used inside profile



# LSBFCS8 Adds 150mm fly leads to LED strip

Product Code LSBFCS8

Connector cannot be used inside profile



## LSBFCD8

Connects LED strip to more LED strip with 150mm fly leads

Product Code LSBFCSD8

Connector cannot be used inside profile





### LSBFC10 Connects LED strip to more LED strip

Product Code LSBFC10

Connector cannot be used inside profile



# LSBFCS10 Adds 150mm fly leads to LED strip

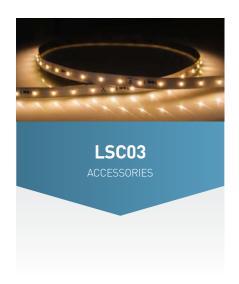
Product Code LSBFCS10

Connector cannot be used inside profile



# LSBFCD10 Connects LED strip to more LED strip with 150mm fly leads

Product Code LSBFCSD10





# LSFC12 Connects LED strip to more LED strip

Product Code LSFC12

Connector cannot be used inside profile



# LSFCS12 Adds 150mm fly leads to LED strip

Product Code LSFCS12

Connector cannot be used inside profile



# LSFCD12 Connects LED strip to more LED strip with 150mm fly leads

Product Code LSFCSD12

Connector cannot be used inside profile





# LSC8PWL IP68 cable from driver to LED strip (JB6 to connect driver required)

Product Code

LSC8PWL

Connector cannot be used inside profile



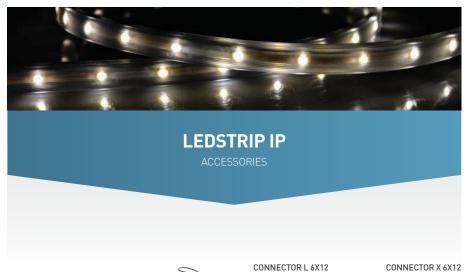
### LSC8EXT

1m extension cable to extend LSC8PWL cable

Product Code

LSC8EXT

Connector cannot be used inside profile





# CONNECTOR 6X12 Connects LED strip to more LED strip with fly leads

Product Code

CONNECTOR 6X12

Connector cannot be used inside profile



# L/T/X CONNECTORS L-connector, T-connector

**Product Code** 

L-connector: CONNECTOR L 6X12 T-connector: CONNECTOR T 6X12 X-connector: CONNECTOR X 6X12

Connector cannot be used inside profile



### **CON EXT 6X12**

Product Code

CONEXTMF6X12 Connector cannot be used inside profile CON MALE 6X12







# **CON EXT CONNECTORS**

Product Code

Male: CON MALE 6X12 Female: CON FEMALE 6X12

Connector cannot be used inside profile



# LSV02

























PER METRE

PHOTOMETRICS @ 25°C	OTOMETRICS @25°C				
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	120°	>80Ra	560*	117*	184*
<b>4000K</b>	120°	>80Ra	490*	102*	161*
<b>3000K</b>	120°	>80Ra	450*	94*	148*
● 2700K	120°	>80Ra	430*	90*	141*

\* Data to be confirmed, for the most up to date information visit collingwoodlighting.com

REEL ORDER CODES	
LSV0265050	5m reel of 6500K LSV02 strip
LSV0240050	5m reel of 4000K LSV02 strip
LSV0230050	5m reel of 3000K LSV02 strip
I SV0227050	5m reel of 2700K LSV02 strip

#### GENERAL

Construction material Flexible tape

Cable / flying lead Supplied with a minimum of 200mm flying lead from one end Type of wiring required Parallel

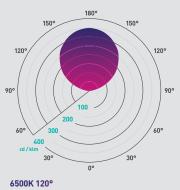
LED DRIVERS						
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)	
PS3024	-	Yes	Yes (PDCINT1-10V)	-	5m	
PSDIP6024	-	Yes	Yes	-	2 x 5m	
PSDIP10024	-	Yes	Yes	-	3 x 5m	
For LED driver bathroom zone & additional LED drivers see page 290-295						

ACCESSORIES		
Product code	Description	
LSBFC8/LSBFCS8/LSBFCD8	Range of fast fix connectors for use with LSV02	172
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



# FEATURES & BENEFITS

- > IP20 4.8W/m LED strip pack
- > Ideal for indoor use in a wide range of applications including task lighting
- > Excellent for secondary lighting
- Cut points every 100mm
- > 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee



vailable at collingwoodlighting.com

5m (cut point every 100mm)















PER METRE











PHOTOMETRICS ® 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	120°	>80Ra	960*	100*	316*
<b>4000K</b>	120°	>80Ra	875*	91*	288*
● 3000K	120°	>80Ra	800*	83*	263*
— 2700K	120°	>80Ra	765*	80*	252*

	st Data to be confirmed, for the most up to date information visit collingwoodlighting.com
REEL ORDER CODES	
LSV0565050	5m reel of 6500K LSV05 strip
LSV0540050	5m reel of 4000K LSV05 strip
LSV0530050	5m reel of 3000K LSV05 strip
LSV0527050	5m reel of 2700K LSV05 strip

#### GENERAL

Construction material Flexible tape

### WIRING

Cable / flying lead Supplied with a minimum of 200mm flying lead from one end Type of wiring required

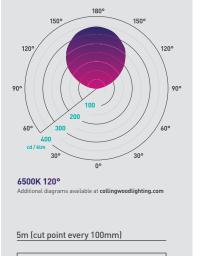
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS5024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSIP24024	-	Yes	Yes	-	4 x 5m
PSDIP10024	-	Yes	Yes	-	2 x 5m
			For LED driver	bathroom zone & additional LED dri	vers see page 290-295

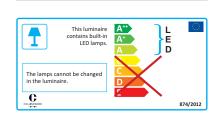
ACCESSORIES		
Product code	Description	
LSBFC8 / LSBFCS8 / LSBFCD8	Range of fast fix connectors for use with LSV05	172
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



# FEATURES & BENEFITS

- > IP20 9.6W/m LED strip pack
- > Ideal for indoor use in a wide range of applications including accent lighting
- > Excellent for secondary lighting
- Cut points every 100mm
- angle 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee





<u>@</u>







# LSV04





















	PER MET
IOTOMETRICS @ 25°C	

PHOTOMETRICS 10 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	120°	>80Ra	1100*	76*	362*
<b>4000K</b>	120°	>80Ra	950*	66*	312*
3000K	120°	>80Ra	915*	64*	301*
<b>2700K</b>	120°	>80Ra	875*	61*	288*

\* Data to be confirmed, for the most up to date information visit collingwoodlighting.com

REEL ORDER CODES	
LSV0465050	5m reel of 6500K LSV04 strip
LSV0440050	5m reel of 4000K LSV04 strip
LSV0430050	5m reel of 3000K LSV04 strip
LSV0427050	5m reel of 2700K LSV04 strip

#### **GENERAL**

Construction material Flexible tape

Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

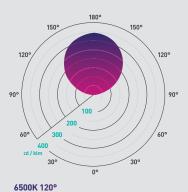
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS5024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSIP24024	-	Yes	Yes	-	3 x 5m
PSDIP10024	-	Yes	Yes		5m
			For LED driver b	athroom zone & additional LED dri	vers see page 290-295

ACCESSORIES		
Product code	Description	
LSBFC10/LSBFCS10/LSBFCD10	Range of fast fix connectors for use with LSV04	172
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



# FEATURES & BENEFITS

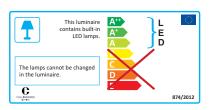
- > IP20 14.4W/m LED strip pack
- > Ideal for indoor use
- > Excellent for primary lighting and within coving
- Cut points every 100mm
- > 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee



ns available at collingwoodlighting.com

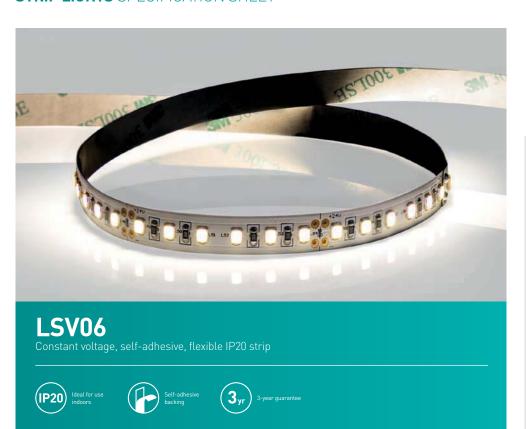
5m (cut point every 100mm)





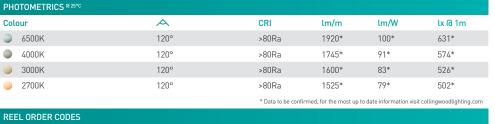








- > IP20 19.2W/m LED strip pack
- > Ideal for indoor use in a wide range of applications including accent lighting
- > Excellent for primary lighting with high ceilings and exposed beams
- Cut points every 100mm
- > 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee



(-40°C

0.083kg

	bata to be commed, for the most up to date mornation visit country visit country visit country visit vis
REEL ORDER CODES	
LSV0665050	5m reel of 6500K LSV06 strip
LSV0640050	5m reel of 4000K LSV06 strip
LSV0630050	5m reel of 3000K LSV06 strip
LSV0627050	5m reel of 2700K LSV06 strip

Construction material	Elevible tand

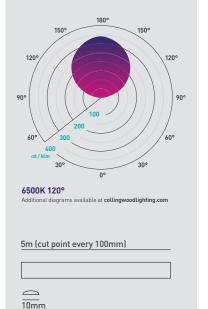
(19.2W PER METRE

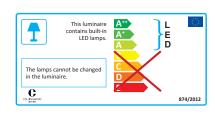
(120°

WIRING	
Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PSDIP6024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSIP24024	-	Yes	Yes	-	2 x 5m
PSDIP10024	-	Yes	Yes	-	5m
			For LED driver bath	room zone & additional I FD driver	s see nage 290-295

ACCESSORIES		
Product code	Description	
LSBFC10 / LSBFCS10 / LSBFCD10	Range of fast fix connectors for use with LSV06	172
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288









# LSV42

























PER METRE

PHOTOMETRICS (8 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	120°	>80Ra	475*	99*	156*
<b>4000K</b>	120°	>80Ra	415*	86*	136*
<b>3000K</b>	120°	>80Ra	385*	80*	127*
2700K	120°	>80Ra	365*	76*	120*

	* Data to be confirmed, for the most up to date information visit collingwoodlighting.com
EEL ORDER CODES	

LSV4265050	5m reet of 6500K LSV42 strip
LSV4240050	5m reel of 4000K LSV42 strip
LSV4230050	5m reel of 3000K LSV42 strip
LSV4227050	5m reel of 2700K LSV42 strip

#### **GENERAL**

Construction material Flexible tape

Cable / flying lead Supplied with a minimum of 200mm 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

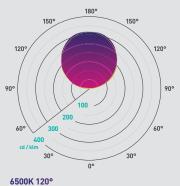
For LED	driver	bathroom	zone &	additional	LED	drivers	see	page	290-29	5

ACCESSORIES		
Product code	Description	
LSBFC8 / LSBFCS8 / LSBFCD8	Range of fast fix connectors for use with LSV42	172
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



### FEATURES & **BENEFITS**

- > IP44 4.8W/m LED strip pack
- > Ideal for use in kitchens and
- > Excellent for secondary lighting
- Cut points every 100mm
- > 3M self-adhesive backing for secure and
- $\rangle$   $\;$  Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee
- > Also available in a convenient strip box, complete with a driver. These are ideal for smaller installations



available at collingwoodlighting.com

5m (cut point every 100mm)











### LSV45



















R METRE	
---------	--

PHOTOMETRICS (8 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	100°	>80Ra	815*	85*	279*
<b>4000K</b>	100°	>80Ra	745*	78*	255*
<b>3000K</b>	100°	>80Ra	680*	71*	233*
9 2700K	100°	>80Ra	650*	68*	223*
	* Data to be confirmed, for the most up to date information visit collingwoodlighting.co				sit collingwoodlighting.com

REEL ORDER CODES		
LSV4565050	5m reel of 6500K LSV45 strip	
LSV4540050	5m reel of 4000K LSV45 strip	
LSV4530050	5m reel of 3000K LSV45 strip	
LSV4527050	5m reel of 2700K LSV45 strip	

### GENERAL

Construction material Flexible tape

### WIRING

Cable / flying lead Supplied with a minimum of 200mm flying lead from one end Type of wiring required Parallel

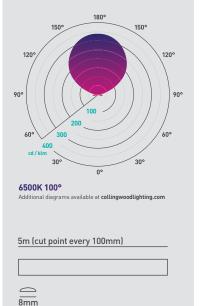
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS5024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSIP24024	-	Yes	Yes	-	4 x 5m
PSDIP10024	-	Yes	Yes	-	2 x 5m
			For LED driver b	athroom zone & additional LED dri	vers see page <b>290-295</b>

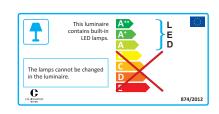
400		DIEC
ALL	ESS0	IKIES

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



- > IP44 9.6W/m LED strip pack
- > Ideal for use in kitchens and
- > Excellent for secondary lighting
- Cut points every 100mm
- > 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee







### **STRIP LIGHTS** SPECIFICATION SHEET



### LSV44













PHOTOMETRICS 19 25

Colour 6500K 4000K 3000K 2700K











\* Data to be confirmed, for the most up to date information visit collingwoodlighting.com



<b>A</b>	CRI	lm/m	lm/W	lx @ 1m
100°	>80Ra	935*	65*	320*
100°	>80Ra	805*	56*	276*
100°	>80Ra	780*	54*	267*
100°	>80Ra	745*	52*	255*

REEL ORDER CODES		
LSV4465050	5m reel pack of 6500K LSV44 strip	
LSV4440050	5m reel pack of 4000K LSV44 strip	
LSV4430050	5m reel pack of 3000K LSV44 strip	
LSV4427050	5m reel pack of 2700K LSV44 strip	

#### **GENERAL**

Construction material Flexible tape

W	RIN	10	;
0-	I-1 -	,	£1

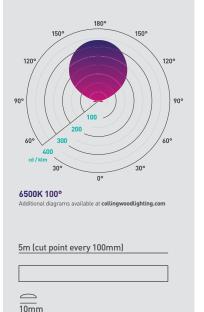
Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

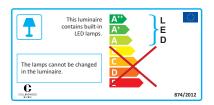
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS5024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSDIP10024	-	Yes	Yes	-	5m
PSIP24024	-	Yes	Yes	-	3 x 5m
			For LED driver bath	room zone & additional LED drivers	s see page <b>290-295</b>

ACCESSORIES		
Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



- > IP44 14.4W/m LED strip pack
- > Ideal for use in kitchens and
- > Excellent for primary lighting and within coving
- Cut points every 100mm
- > 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee















- > IP44 19.2W/m LED strip pack
- ) Ideal for use in kitchens and
- > Excellent for primary lighting with high ceilings and exposed beams.
- Cut points every 100mm
- > 3M self-adhesive backing for secure and easy installation
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee



120°



0.2kg

>80Ra	1295*	67*	426*
* Data to be confi	rmed, for the most up t	o date information v	visit collingwoodlighting.com

(2)

30 000h

REEL ORDER CODES	
LSV4665050	5m reel pack of 6500K LSV46 strip
LSV4640050	5m reel pack of 4000K LSV46 strip
LSV4630050	Energed ready of 2000H/ L CV// atria
L5V4030000	5m reel pack of 3000K LSV46 strip
LSV4627050	5m reel pack of 2700K LSV46 strip

#### GENERAL Construction material Flexible tape

(IP44

120°

Colour

PHOTOMETRICS (8 2)

6500K

4000K

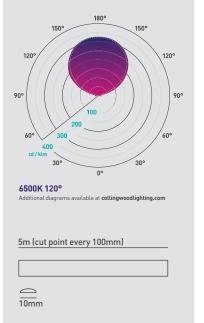
3000K

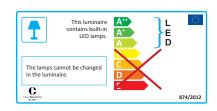
2700K

WIRING	
Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PSDIP6024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSDIP10024	-	Yes	Yes	-	5m
PSIP24024	-	Yes	Yes	-	2 x 5m
For LED driver bathroom zone & additional LED drivers see page 290-295					

ACCESSORIES		
Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288







### **STRIP LIGHTS** SPECIFICATION SHEET



### LSV82



















PFR	м	FI	۲R	F

PHOTOMETRICS 1d 25°C					
Colour	$\wedge$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	120°	>80Ra	475	99	156
<b>4000K</b>	120°	>80Ra	415*	86*	136*
<b>3000K</b>	120°	>80Ra	385*	80*	127*
<b>2700K</b>	120°	>80Ra	365*	76*	120*
		* Data to be confi	rmad for the most up	to data information vic	it callinguandlighting com

REEL ORDER CODES	
LSV8265050	5m reel pack of 6500K LSV82 strip
LSV8240050	5m reel pack of 4000K LSV82 strip
LSV8230050	5m reel pack of 3000K LSV82 strip
LSV8227050	5m reel pack of 2700K LSV82 strip

#### **GENERAL**

Construction material Flexible tape

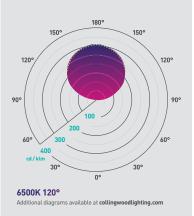
WIRING	
Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS3024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSDIP10024	-	Yes	Yes	-	3 x 5m
PSDIP6024	-	Yes	Yes	-	2 x 5m

	For LED driver bathroom zone & additional LE	D drivers see page 290-295
ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



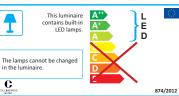
- > IP68 4.8W/m LED strip pack
- > Ideal for use outside when waterproofing is required
- > Can be submerged in water permanently as a complete length
- Any cuts are IP65
- > Excellent for secondary lighting
- Cut points every 100mm (IP65 maximum)
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee
- > Not suitable for installation in chlorine or bromine environments



5m (cut point every 100mm)

















(100°)



(9.6W













PHOTOMETRICS @ 25°C						
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m	
● 6500K	100°	>80Ra	815*	85*	279*	
<b>4000K</b>	100°	>80Ra	745*	78*	255*	
3000K	100°	>80Ra	680*	71*	233*	
2700K	100°	>80Ra	650*	68*	223*	
		* Data to be confi	* Data to be confirmed, for the most up to date information visit collingwoodlighting.com			

REEL ORDER CODES	
LSV8565050	5m reel pack of 6500K LSV85 strip
LSV8540050	5m reel pack of 4000K LSV85 strip
LSV8530050	5m reel pack of 3000K LSV85 strip
LSV8527050	5m reel pack of 2700K LSV85 strip

#### GENERAL Construction material Flexible tape

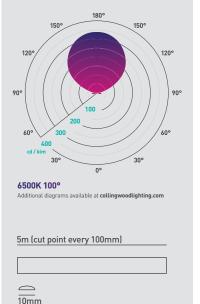
WIRING	
Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

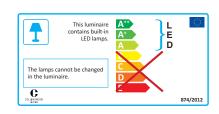
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS5024	-	Yes	Yes (PDCINT1-10V)	-	5m
PSDIP10024	-	Yes	Yes	-	2 x 5m
PSIP24024	-	Yes	Yes	-	4 x 5m
For LED driver bathroom zone & additional LED drivers see page 290-295					

ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



- > IP68 9.6W/m LED strip pack
- > Ideal for use outside when waterproofing is required
- > Can be submerged in water permanently as a complete length.
- Any cuts are IP65
- > Excellent for secondary lighting
- Cut points every 100mm (IP65 maximum)
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee
- > Not suitable for installation in chlorine or bromine environments









### LSV84



(100°)















|--|

PHOTOMETRICS (a 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
● 6500K	100°	>80Ra	935*	65*	320*
<b>4000</b> K	100°	>80Ra	805*	56*	276*
<b>3000K</b>	100°	>80Ra	780*	54*	267*
9 2700K	100°	>80Ra	745*	52*	255*

\* Data to be confirmed, for the most up to date information visit collingwoodlighting.com

REEL ORDER CODES	
LSV8465050	5m reel pack of 6500K LSV84 strip
LSV8440050	5m reel pack of 4000K LSV84 strip
LSV8430050	5m reel pack of 3000K LSV84 strip
LSV8427050	5m reel pack of 2700K LSV84 strip

#### **GENERAL**

Construction material Flexible tape

Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PS5024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSDIP10024	-	Yes	Yes	-	5m
PSIP24024	-	Yes	Yes	-	3 x 5m

For LED driver bathroom zone & additional LED drivers see page 290-295

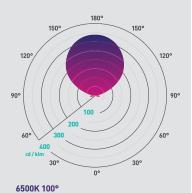
### ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



### FEATURES & BENEFITS

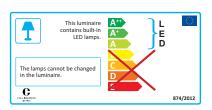
- > IP68 14.4W/m LED strip pack
- > Ideal for use outside when waterproofing is required
- > Can be submerged in water permanently as a complete length
- Any cuts are IP65
- > Excellent for secondary lighting
- Cut points every 100mm (IP65 maximum)
- > Supplied in a resealable, antistatic bag to protect during transit
- ) 3 year guarantee
- > Not suitable for installation in chlorine or bromine environments



ams available at collingwoodlighting.com

5m (cut point every 100mm)































PHOTOMETRICS @ 25°C						
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m	
● 6500K	120°	>80Ra	1630*	85*	536*	
<b>4000K</b>	120°	>80Ra	1485*	77*	488*	
<b>3000K</b>	120°	>80Ra	1360*	71*	447*	
9 2700K	120°	>80Ra	1295*	67*	426*	
		* Data to be confir	* Data to be confirmed, for the most up to date information visit collingwoodlighting.com			

REEL ORDER CODES	
LSV8665050	5m reel pack of 6500K LSV86 strip
LSV8640050	5m reel pack of 4000K LSV86 strip
LSV8630050	5m reel pack of 3000K LSV86 strip
LSV8627050	5m reel pack of 2700K LSV86 strip

### **GENERAL**

Construction material Flexible tape

WIRING	
Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

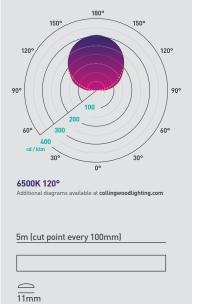
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max (m)
PSDIP6024	-	Yes	Yes (PDCINT1-10V)	-	3m
PSDIP10024	-	Yes	Yes	-	5m
PSIP24024	-	Yes	Yes	-	2 x 5m

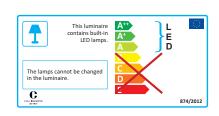
For LED driver bathroom zone & additional LED drivers see page 290-295
--

ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



- > IP68 19.2W/m LED strip pack
- > Ideal for use outside when waterproofing is required
- > Can be submerged in water permanently as a complete length
- Any cuts are IP65
- > Excellent for primary lighting
- Cut points every 100mm (IP65 maximum)
- > Supplied in a resealable, antistatic bag to protect during transit
- > 3 year guarantee
- > Not suitable for installation in chlorine or bromine environments



































PER METRE

PHOTOMETRICS @ 25°C					
Colour	A	CRI	lm/m	lm/W	lx @ 1m
<b>4000K</b>	150°	>80Ra	350	73	85
<b>3000K</b>	150°	>80Ra	350	73	85
→ 2700K	150°	>80Ra	350	73	85

Any lengths over 15m need to be powered from both ends

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

**GENERAL** 

Construction material Flexible tape

WIRING		

150 mm flying lead with fast fix connector (LSFCS12) supplied on bespoke strip (Bespoke lengths up to 5m are available on request at extra charge) Cable / flying lead

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

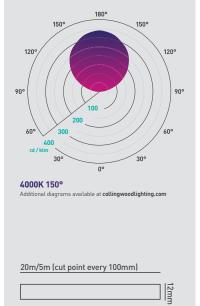
For LED driver bathroom zone & additional LED drivers see page 290-295

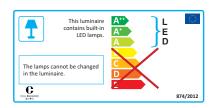
Product code	Description	
LSFC12/LSFCS12/LSFCD12	Range of fast fix connectors for use with LSC03	173
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
LED COVE PACK	Coving to house adhesive strip	171
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288



- 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

















150°

(4.8W

PER METRE















ZΟ	N	E		

2

PHOTOMETRICS @ 25°C					
Colour	A	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 I Part code calculator available at <b>colling</b>	oy required length. eg. 010 = 1m, 021 = 2.1m, etc woodlighting.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

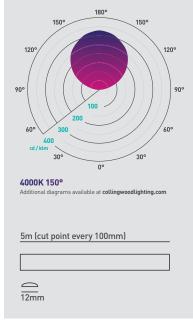
LED DRIVERS					
Product code	mA	SELV	Dimming	Bathroom zone	Max
PS1524	-	Yes	Yes (PDCINT1-10V)	-	3m
PS5024	-	Yes	Yes (PDCINT1-10V)	-	10m
PSDIP10024	-	Yes	Yes	-	20m
For LED driver bathroom zone & additional LED drivers see page 290-295					

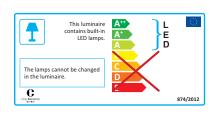
ACCESSORIES		
Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



- > Hard-wearing clear splashproof covering
- > High quality LED strip using current
- > 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





































PER METRE

PHOTOMETRICS @ 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
<b>4000K</b>	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
LSC/527050	5m reel of 2700K LSC/5 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

### GENERAL

Construction material Flexible tape

### WIRING

Cable / flying lead 0.25m (bespoke lengths up to 5m are available on request at an extra charge) Parallel Type of wiring required

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 290-295

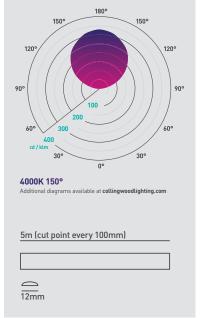
### ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-169
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



- > 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



































Parallel













PHOTOMETRICS @ 25°C					
Colour	$\triangle$	CRI	lm/m	lm/W	lx @ 1m
<b>4000K</b>	120°	>85Ra	400	85	137
3000K	120°	>85Ra	360	76	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 I (supplied with 250mm flying lead and co Part code calculator available at <b>colling</b>	oy required length. eg. 010 = 1m, 021 = 2.1m, etc nnector at one end.] woodlighting.com	

GENERAL	
Construction material	Flexible tape with PU coating
NG	
Cable / flying lead	0.25m

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 290-295

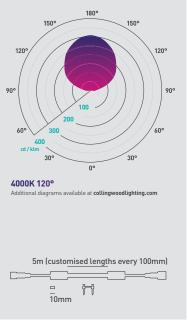
Description	
Grid dimmer kit for multiple fitting types	296
1-10V dimming interface for use with 24V LED drivers	288
1.8m cable, male IP68 (submersible to 1.5m) connector & end terminal	173
1m IP68 (submersible to 1.5m) extension lead with male/female connectors	173
Inline gel filled cable connector IP68 (submersible to 1.3m)	297
	Grid dimmer kit for multiple fitting types  1-10V dimming interface for use with 24V LED drivers  1.8m cable, male IP68 (submersible to 1.5m) connector & end terminal  1m IP68 (submersible to 1.5m) extension lead with male/female connectors

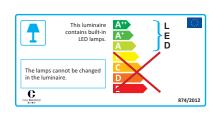


# FEATURES & BENEFITS

- > 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









Type of wiring required

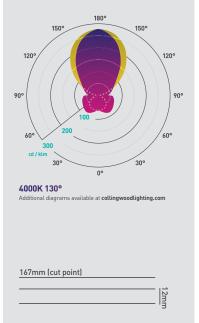


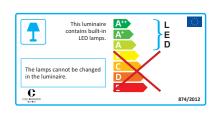
# **COLLINGWOOD** LIGHTING

### FEATURES & **BENEFITS**

- Cut point every 167mm
- > Range of wall & floor profiles available
- > Suitable for indoor & outdoor use
- > Use with LINE PROFILE 20MM 1M to fix in place







### **LEDSTRIP IP**



(130°















Р	Е	R	м	ET	Ī

PHOTOMETRICS R25°C						
Colour	$\wedge$	Product code	CRI	lm/m	lm/W	lx at 1m
<b>4000K</b>	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

Type of wiring required Parallel

LED DRIVERS Bathroom zone applicable to fitting o					
Product code	mA	SELV	Dimming	Bathroom zone	Max
	-	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 & addition	al LED drivers see page 290-295
ACCESSORIES		
Product code	Description	
CONNECTOR 6X12 / 5M	450mm/5m IP rated connector set for LEDSTRIP IP	173
CON EXT M/F 6X12	Extension lead for LEDSTRIP IP	173
CONNECTOR L, T, X 6X12	Connectors for LEDSTRIP IP	173
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	288
LED STRIP PROFILES	Profile range to house LEDSTRIP IP	170-171









### **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 with CRI > 90



Visit the Collingwood Lighting YouTube channel to watch our video showing how LUXEON CrispWhite technology can bring merchandise to life.

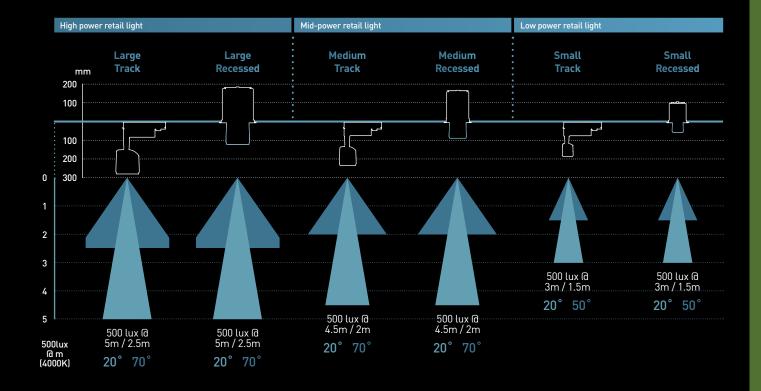
### **PRODUCT** FAMILY

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.



The Collingwood Lighting retail products are available in three different sizes and colours, making it easy to create the perfect installation.

### **PRODUCT COMPARISON**



### CHOOSE WHITE

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.



### Conventional retail lighting

Materials may appear washed out or 'yellowed'.



#### LUXEON CrispWhite Technology

Show off the true vibrant colours of materials.

### **HONEYCOMB**

To illuminate areas of heavy traffic, e.g. pay points, or customer service desks add this honeycomb insert to provide a diffused light.



### **CHOOSING THE IDEAL TRACK & COMPONENTS**

### FOR YOUR INSTALLATION

Use the information below to create the ideal grid for your track lighting.

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.

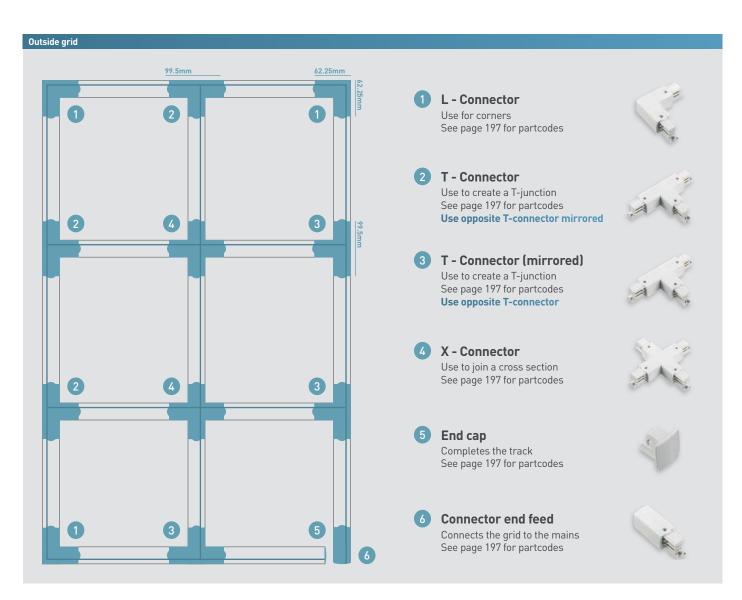
When building a grid consider where the majority of your merchandise will be displayed. All of our track lighting rotates 355°. We recommend two track set-ups as shown in diagrams A and B below.

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.







### **Corner components**

To increase the flexibility of the grid there are three different types of connector...

### Fixed 90° corner

See page 197 for partcodes

# Flexible corner

See page 197 for partcodes

### Adjustable corner

See page 197 for partcodes

# Fixed 90° 360° 200°

### **Track extensions**

Track comes in 1m and 2m lengths. It can be cut shorter or made longer using extensions...

### Straight connector

See page 197 for partcodes

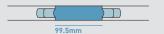
Extend sections of track using a straight connector. It sits concealed within the track, without adding extra length, for a neat and tidy finish.

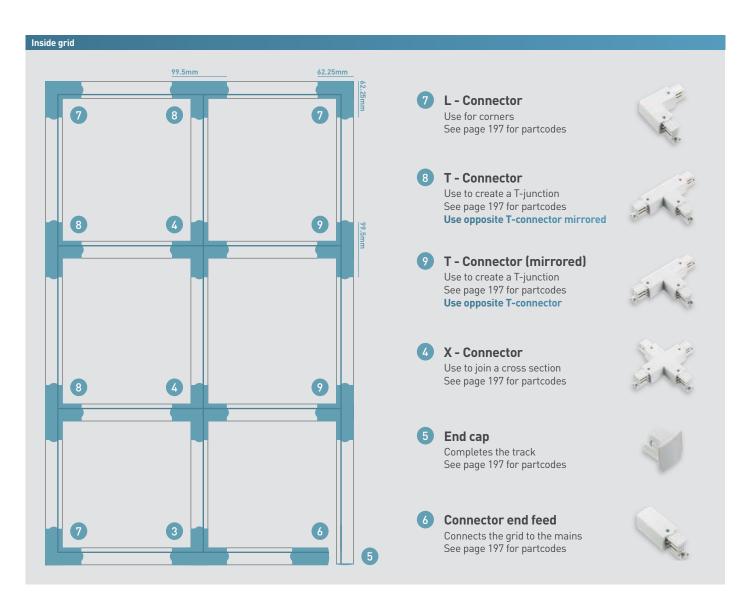
### Connector middle feed

See page 197 for partcodes

This extension adds 99.5mm length to the track. The connector middle feed allows the mains to be fed from the middle of a straight track.







### **CHOOSING THE IDEAL TRACK & COMPONENTS**

### FOR YOUR INSTALLATION

Use the table below to work out which components you need for your installation.



### Use a bending tool to bend the internal copper cores to allow for an electrical connection

Partcode: XTSV12



### Track required

One 'connector end feed' and one 'end cap' are essential

### Choose the appropriate connectors for your grid

Don't forget to consider if the grid is an 'outside' or 'inside' grid (Page 194 - 195)

#### Cover plates

For hiding components

Feed cover

Silver: XTSF101 Black: XTSF102

White: XTSF103 Use with: Connector end feed and... Connector middle feed

plate



#### Connector end feed

Silver: XTS111 Black: XTS112 White: XTS113



End cap

Silver: XTS411 Black: XTS412 White: XTS413



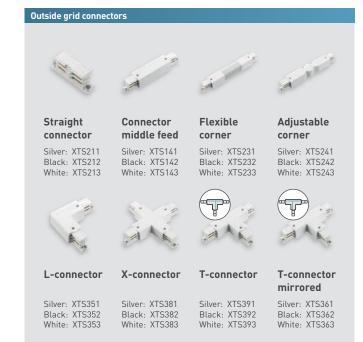


#### Connector end feed

Silver: XTS111

### End cap

Silver: XTS411 Black: XTS112 White: XTS113 Black: XTS412 White: XTS413





#### Connector end feed

Silver: XTS111 Black: XTS112 White: XTS113



### **End cap**

Silver: XTS411 Black: XTS412 White: XTS413



#### Connector end feed

Silver: XTS111 Black: XTS112 White: XTS113



### End cap

Silver: XTS411 Black: XTS412 White: XTS413

#### Inside grid connectors Flexible Straight Connector Adjustable middle feed connector corner corner Silver: XTS211 Silver: XTS141 Silver: XTS231 Silver: XTS241 Black: XTS242 White: XTS243 Black: XTS212 Black: XTS142 Black: XTS232 White: XTS143 White: XTS213 White: XTS233 L-connector X-connector T-connector T-connector mirrored Silver: XTS401 Silver: XTS341 Silver: XTS381 Silver: XTS371 Black: XTS342 Black: XTS382 Black: XTS372 Black: XTS402 White: XTS403 White: XTS343 White: XTS383 White: XTS373



#### Connector cover plate

Silver: XTSF301 Black: XTSF302 White: XTSF303 Use with:

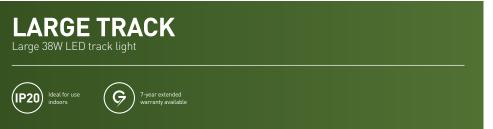
X-connector and..

all L-connectors and.. all T-connectors



# COLLINGWOOD LIGHTING

- > 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
- $\rangle$   $\,$  Choice of colour temperatures and beam angles

























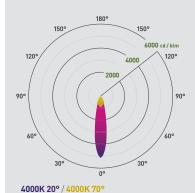
L70,	B50

PHOTOMETRICS	a 25°C				LUXEON CrispWh	nite technology applica	ble to 3000K option only
Colour	Finish	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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

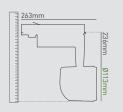
GENERAL	
Construction material	Steel / aluminium / polycarbonate
Inrush current	31A, 0.18ms

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	196-197
RHCL*	Glare reducing honeycomb baffle	201
	* Use of honeycomb baffle will narrow bear	n angle and reduce light output by 40%



at collingwoodlighting.com









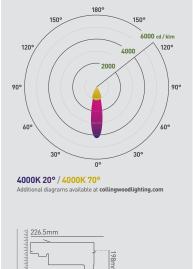


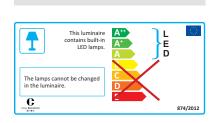
# **COLLINGWOOD** LIGHTING

### 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
- > Compatible with Global™ 3 circuit track
- > Available in white, silver and black finishes
- $\rangle$   $\,$  Choice of colour temperatures and beam angles







# MEDIUM TRACK Medium 31W LED track light



(31W)





















PHOTOMETRICS	@ 25°C				LUXEON CrispWh	nite technology applica	able to 3000K option only
Colour	Finish	$\wedge$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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				
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	196-197
RHCM*	Glare reducing honeycomb baffle	201

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%







- > 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
- $\rangle$   $\,$  Choice of colour temperatures and beam angles



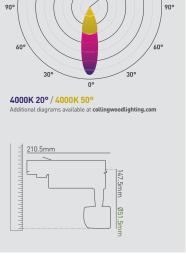
180°

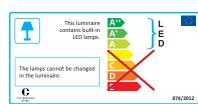
150° 4000 cd / klm

120°

3000

150°





# SMALL TRACK Small 16W LED track light





















3SDCM





PHOTOMETRICS	@ 25°C				LUXEON CrispWh	nite technology applica	able to 3000K option only
Colour	Finish	$\wedge$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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	196-197
RHCS*	Glare reducing honeycomb baffle	201

\* Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



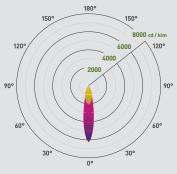






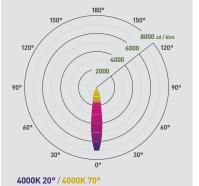
- Add this honeycomb insert to the Collingwood retail products to provide a diffused light
- > To illuminate areas of heavy traffic e.g. pay points or customer service desks

#### RDSL | SQSL | LARGE TRACK

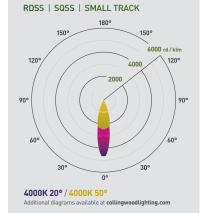


4000K 20° / 4000K 70° Additional diagrams available at collingwoodlighting.com

RDSM | SQSM | MEDIUM TRACK



able at collingwoodlighting.com



### RHCL | RHCM | RHCS

Glare reducing honeycomb baffle









### PRODUCT DATA

Product code RHCL

(Large) (Medium) RHCM RHCS (Small)

### GENERAL

Steel / aluminium Construction material

USE IN CONJUNCTION WITH					
RHCL	RHCM	RHCS			
RDSL	RDSM	RDSS			
SQSL	SQSM	SQSS			
LARGE TRACK	MEDIUM TRACK	SMALL TRACK			







- > 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
- > Ideal for retail and hospitality





Type of wiring required

ACCESSORIES

Product code

PDC/GRID DIMMER

RHCL<sup>†</sup>



















L	.70.	B50

PHOTOMETRICS	; @ 25°C				LUXEON CrispWh	nite technology applicat	le to 3000K option only
Colour	Finish	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	Black	20°	RDSLBLK2040	>90Ra	2800	88 (73)*	12950
	Black	70°	RDSLBLK7040	>90Ra	2800	88 (73)*	2400
	Silver	20°	RDSLSIL2040	>90Ra	2800	88 (73)*	12950
	Silver	70°	RDSLSIL7040	>90Ra	2800	88 (73)*	2400
	White	20°	RDSLWH2040	>90Ra	2800	88 (73)*	12950
	White	70°	RDSLWH7040	>90Ra	2800	88 (73)*	2400
<b>3000K</b>	Black	20°	RDSLBLK2030	>90Ra	2100	66 (55)*	10300
	Black	70°	RDSLBLK7030	>90Ra	2100	66 (55)*	1850
	Silver	20°	RDSLSIL2030	>90Ra	2100	66 (55)*	10300
	Silver	70°	RDSLSIL7030	>90Ra	2100	66 (55)*	1850
	White	20°	RDSLWH2030	>90Ra	2100	66 (55)*	10300
	White	70°	RDSLWH7030	>90Ra	2100	66 (55)*	1850

\* lm/tcW (lumens per total circuit wattage)

296

GENERAL		
Construction material	Aluminium / steel	
WIRING		
Cable / flying lead	0.30m (0.205mm² red & black PTFE)	

Series (Class III)

Description

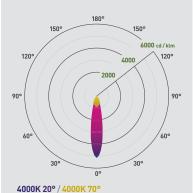
LED DRIVERS							
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PSDIM900	900	Yes	>0.95	Yes (1-10V)	-	1	1
PSDAL900M	900	Yes	>0.95	Yes (DALI)	-	1	1

Grid dimmer kit for multiple fitting types

Description	
Glare reducing honeycomb baffle	201

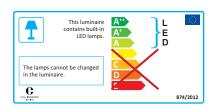
† Use of honeycomb baffle will narrow beam angle and reduce light output by 40%

For LED driver bathroom zone & additional LED drivers see page 290-295



at collingwoodlighting.com









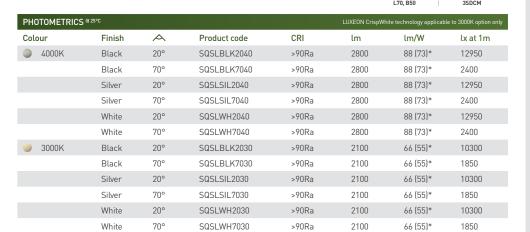




- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Choice of colour temperatures and beam angles
- > Ideal for retail and hospitality

# SQSL Large, square, recessed, 32W adjustable LED downlight **IP20**

355°



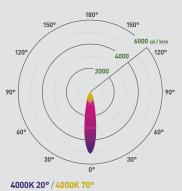
\* lm/tcW (lumens per total circuit wattage)

GENERAL		
Construction material	Aluminium / steel	
WIRING		
Cable / flying lead	0.30m (0.205mm² red & black PTFE)	
Type of wiring required	Series (Class III)	

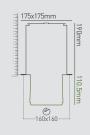
LED DRIVERS							
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PSDIM900	900	Yes	>0.95	Yes (1-10V)	-	1	1
PSDAL900M	900	Yes	>0.95	Yes (DALI)	-	1	1
For LED driver bathroom zone & additional LED drivers see page 290-295							

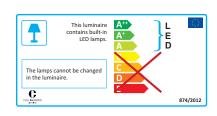
ACCESSORIES		
Product code	Description	
RHCL <sup>†</sup>	Glare reducing honeycomb baffle	201
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
	***	

Use of honeycomb baffle will narrow beam angle and reduce light output by 40%



vailable at collingwoodlighting.com









(32W





- > 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
- > Ideal for retail and hospitality

# **RDSM** Medium, round, recessed, 26W adjustable LED downlight (IP20)



Colour

**4000K** 

3000K

PHOTOMETRICS (8 25°)



Finish

Black

Black Silver

Silver

White

White

Black

Black

Silver

Silver





 $\triangle$ 

20°

70°

20°

70°

20°

70°

20°

70°

20°

70°













L70.	B50

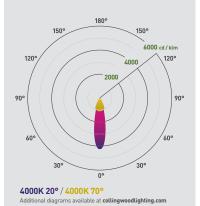
		LUXEON CrispWhite technology applicable to 3000K option only				
Product code	CRI	lm	lm/W	lx at 1m		
RDSMBLK2040	>90Ra	2000	77 (64)*	10140		
RDSMBLK7040	>90Ra	2000	77 (64)*	2100		
RDSMSIL2040	>90Ra	2000	77 (64)*	10140		
RDSMSIL7040	>90Ra	2000	77 (64)*	2100		
RDSMWH2040	>90Ra	2000	77 (64)*	10140		
RDSMWH7040	>90Ra	2000	77 (64)*	2100		
RDSMBLK2030	>90Ra	1700	65 (54)*	8900		
RDSMBLK7030	>90Ra	1700	65 (54)*	1750		
RDSMSIL2030	>90Ra	1700	65 (54)*	8900		
RDSMSIL7030	>90Ra	1700	65 (54)*	1750		
RDSMWH2030	>90Ra	1700	65 (54)*	8900		

	White	20°	RDSMWH2030	>90Ra	1700	65 (54)*	8900	
	White	70°	RDSMWH7030	>90Ra	1700	65 (54)*	1750	
						* lm/tcW (lumens pe	er total circuit wattage)	
GENERAL								
Construction ma	iterial	А	luminium / steel					
WIRING								
Cable / flying lead			0.30m (0.205mm² red & black PTFE)					
Type of wiring required Series (Class III)								

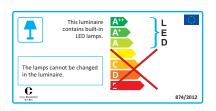
LED DRIVERS							
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 700MA	700	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM700	700	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL700M	700	Yes	>0.95	Yes (DALI)	-	1	2

For LED driver bathroom zone & additional LED drivers see page 290-295

ACCESSORIES		
Product code	Description	
RHCM <sup>†</sup>	Glare reducing honeycomb baffle	201
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



<u>Ø140mm</u>













- > 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























PHOTOMETRICS	@ 25°C				LUXEON CrispWi	nite technology applicab	le to 3000K option only
Colour	Finish	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	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

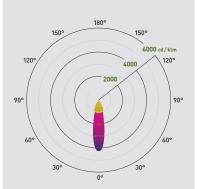
GENERAL
Construction materi

Aluminium / steel

WIRING	
Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series (Class III)

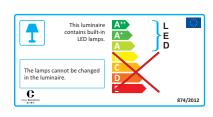
LED DRIVERS							
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 700MA	700	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM700	700	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL700M	700	Yes	>0.95	Yes (DALI)	-	1	2
For LED driver bathroom zone & additional LED drivers see page 290-293							

ACCESSURIES		
Product code	Description	
RHCM <sup>†</sup>	Glare reducing honeycomb baffle	201
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



4000K 20° / 4000K 70° able at collingwoodlighting.com















- > 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
- > Ideal for retail and hospitality

### **RDSS**

Small, round, recessed, 13W adjustable LED downlight



























.70,	<b>B50</b>	

PHOTOMETRICS ® 25°C LUXEON CrispWhite technology applicable to 3000K option on the contract of							
Colour	Finish	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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
<b>3000K</b>	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

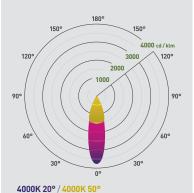
Construction material Aluminium / steel

WIRING	
Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series (Class III)

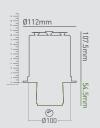
LED DRIVERS							
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 350MA	350	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM350	350	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL350M	350	Yes	>0.95	Yes (DALI)	-	1	2

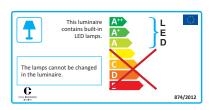
For LED driver bathroom zone & additional LED drivers see page 290-295

ACCESSORIES		
Product code	Description	
RHCS <sup>†</sup>	Glare reducing honeycomb baffle	201
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



e at collingwoodlighting.com







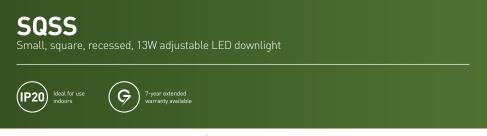








- > Fully adjustable luminaire. Direct light as required
- > LUXEON CrispWhite technology makes white materials fluoresce (3000K only) and the >90Ra CRI makes colours bolder
- > Choice of colour temperatures and beam angles
- > Ideal for retail and hospitality























						L70, B50 :	ЗЅВСМ
PHOTOMETRICS @ 25°C LUXEON CrispWhite technology applicable to 3000K option only							
Colour	Finish	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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/tcW (lumens per total circuit watt

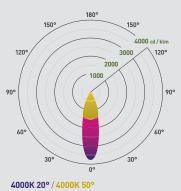
GE	NER	AL

Construction material Aluminium / steel

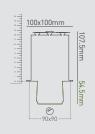
WIRING	
Cable / flying lead	0.30m (0.205mm² red & black PTFE)
Type of wiring required	Series (Class III)

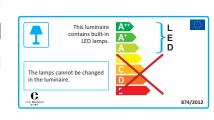
LED DRIVERS							
Product code	mA	SELV	Power factor	Dimming	Bathroom zone	Min	Max
PLD UNI-DRIVE 350MA	350	Yes	>0.95	Yes (1-10V)	-	1	1
PSDIM350	350	Yes	>0.95	Yes (1-10V)	-	1	2
PSDAL350M	350	Yes	>0.95	Yes (DALI)	-	1	2
				For LED driver ba	throom zone & additional LEC	drivers see p	age 290-295

ACCESSORIES		
Product code	Description	
RHCS*	Glare reducing honeycomb baffle	201
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296



able at collingwoodlighting.com









### **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.

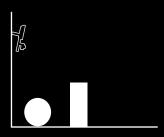


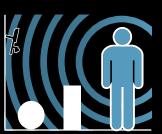




### **PIR** SENSORS

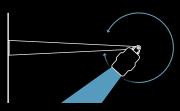
PIR sensors detect changes in heat within the surrounding space. When a new object enters the area the infrared energy levels change rapidly, this trips the sensor and turns on the light.





### **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.





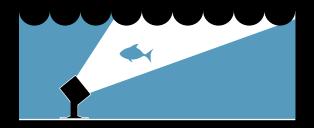
**UL030** 

**UL010** 

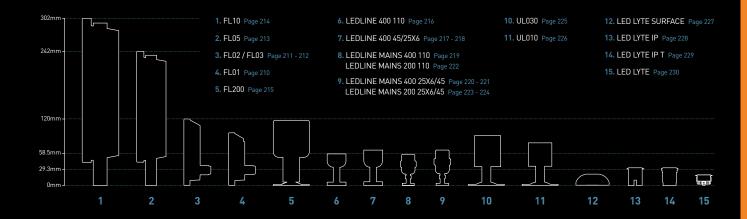
They can be mounted on most surfaces where recessing fittings is not possible.



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**

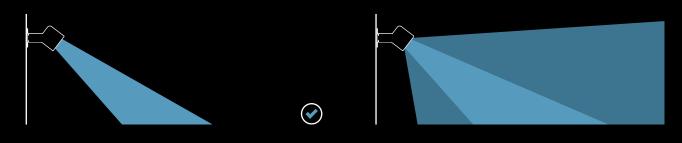


### **ELLIPTICAL LIGHTS - THE FL200**

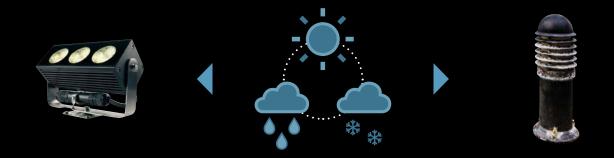
The FL200 is an extremely practical product, featuring an inbuilt mains dimmable LED driver and waterproof mains connector. It's ideal for hard to reach locations where the need for low maintenance lighting solutions is a priority.



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.





- > 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
- > PIR sensor will trigger up to 10m

























*	IP65 for	non-PIR	sensor	ontions	only	PIR	ontions	are	IP44

PHOTOMETRICS ****						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	120°	FL01BC2X40	>80Ra	1080	103	461
3000K	12N°	FL01BC2X30	>80Ra	1040	100	444

PIR SENSOR	PIR SENSOR OPTION PHOTOMETRICS ® 25°°					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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

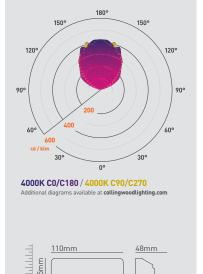
WIRING	
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

ACC	, 53	วบ	пп	-

Product code Description

There are currently no accessories associated with this product















- 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
- > PIR sensor will trigger up to 10m

























* IP65 for	non-PIR	sensor	options	only	PIR	ontions	are	IP4

PHOTOMETRICS @25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	120°	FL02BC2X40	>80Ra	2120	108	834	
■ 3000K	120°	FL02BC2X30	>80Ra	1950	99	767	

Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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

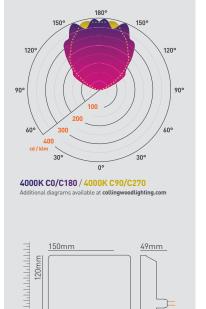
WIRING	
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

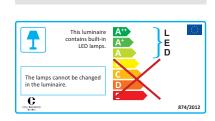
LED DRIVERS						
Product code	mA	Dimming	Bathroom zone	Min	Max	
N/A (integrated SELV driver)	-	No	-	-	-	

А	uu	งบเ	RIES

Product code Description

There are currently no accessories associated with this product





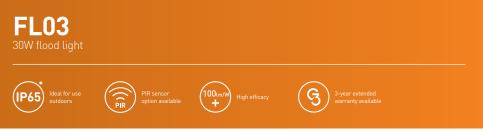




# COLLINGWOOD LIGHTING

### 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
- > PIR sensor will trigger up to 10m







\* IP65 for non-PIR sensor options only, PIR options are IP44

















6SCDM

PHOTOMETRICS 6	125°C					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	120°	FL03BC2X40	>80Ra	3100	104	1341
<b>3000K</b>	120°	FL03BC2X30	>80Ra	3040	100	1315

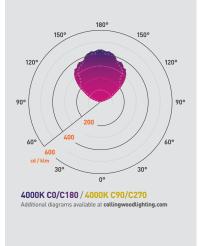
PIR SENSOR	OPTION PHOT	OMETRICS @ 25°C				
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	120°	FL03BC2P40	>80Ra	3100	101	1341
3000K	120°	FL03BC2P30	>80Ra	2990	98	1293

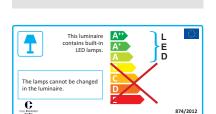
GENERAL	
Construction material	Black painted cast aluminium
Inrush current	0.19A 7.5ms

WIRING	
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz
7	

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

ACCESSORIES	
Product code	Description
There are currently no acces	ssories associated with this product









49mm



150mm

120mm





120°



















\* IP65 for non-PIR sensor options only, PIR options are IP44

PHOTOMETRICS	, @ 25°C					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	120°	FL05BC2X40	>80Ra	5740	109	2634
■ 3000K	120°	FL05BC2X30	>80Ra	5090	98	2336

PIR SENSOF	R OPTION PHOT	OMETRICS @ 25°C				
Colour	$\triangle$	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

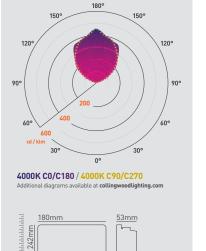
LED DRIVERS					
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

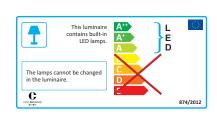
Product code Description

There are currently no accessories associated with this product



- 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
- > PIR sensor will trigger up to 10m











(120°)

















6SCDM

PHOTOMETRICS	@ 25°C					
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	120°	FL10BC2X40	>80Ra	10900	109	4488
<b>3000K</b>	120°	FL10BC2X30	>80Ra	10090	100	4154
GENERAL						
Construction ma	aterial	Black painted cas	st aluminium			
Inrush current		31A 0.05ms				

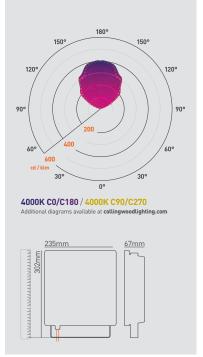
WIRING	
Cable / flying lead	1m flying lead
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

ACCESSORIES	
Product code	Description
There are currently no acco	essories associated with this product



- > Wide 120° general purpose exterior floodlight
- Ideal for lighting large areas, courtyards, entrances or uplighting trees and buildings
- > Standard version IP65
- > Straight to mains product supplied with 1m flying lead
- > Supplied with tiltable bracket that can be easily adjusted











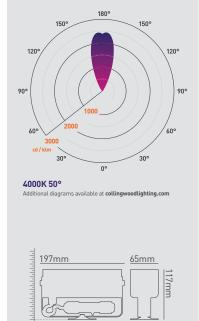


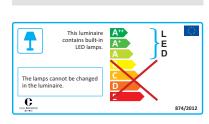
> Neat and compact, Straight to the mains linear floodlight

**COLLINGWOOD** LIGHTING

- > Complete with wall fixings
- > Mains waterproof connector included
- > Max. 3 on 500W mains dimmer Max. 5 on 1000W mains dimmer
- > Compatible with many leading lighting control systems







### **FL200**



























_	7	_	_	
dlighting.com/patent				
augnung.com/patent				

PHOTOMETRICS (8 25						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> 4000 K	50°	FL200FNW	>70Ra	1415	67	2300
3000K	50°	FL200FWW	>80Ra	1292	62	2050
2700K NEW	50°	FL200F27*	>80Ra	1260	60	1993

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)	-	Yes (mains)	2	-	-

ACCESSORIES	
Product code	Description
Dimming options	Call us on 01604 495151 for more information

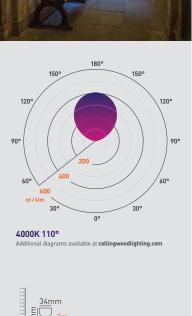


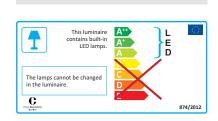




- > Robust cable for permanent use
- > Wide beam angle ideal for wall wash







# LEDLINE 400 110 110° LED wall washing light bar



























PHOTOMETRICS © 25°C								
Colour	A	Product code	CRI	lm	lm/W	lx at 1m		
<b>4000K</b>	110°	LEDLINE 400 NW 110	>70Ra	1000	63	519		
3000K	110°	<b>LEDLINE 400 WW 110</b>	>80Ra	750	47	350		
2700K NEW	110°	LEDLINE 400 27 110*	>80Ra	730	46	340		

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

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 fit						
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 & additions	at LED drivers see page 290-295
ACCESSORIES		
Product code	Description	
JB4 / JB6	Gel filled junction box	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
WCR 275 BLACK	2-core rubber cable	297
ULBRACKET	2-piece black anodised aluminium bracket	231





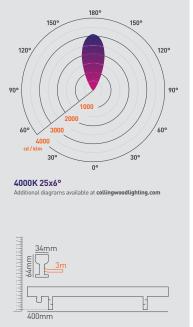
400mm

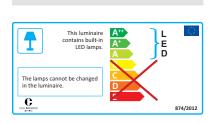




- > Asymmetric beam angle for distance wall wash
- > Robust cable for permanent use outdoors







# LEDLINE 400 25x6 25x6° LED wall washing light bar































)	70,000h	(ke
ONE	L70, B10	3SD

PH0T0	METRICS @ 25°C						
Colour		A	Product code	CRI	lm	lm/W	lx at 1m
_ 40	000K	25x6°	LEDLINE 400 NW 25X6	>70Ra	1000	63	3692
<u> </u>	000K	25x6°	LEDLINE 400 WW 25X6	>80Ra	750	47	2820
<u> </u>	700K <b>NEW</b>	25x6°	LEDLINE 400 27 25X6*	>80Ra	730	46	2741

Construction material Anodised aluminium

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	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 290	1-295
--	-------

ACCESSORIES		
Product code	Description	
JB4 / JB6	Gel filled junction box	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
WCR 275 BLACK	2-Core rubber cable	297
ULBRACKET	2-piece black anodised aluminium bracket	231

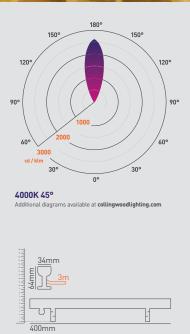


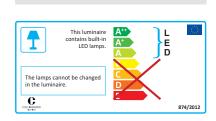




- > 45° beam angle ideal for mid-level wall wash
- Robust cable for permanent use outdoors







# LEDLINE 400 45 45° LED wall washing light bar











Type of wiring required

PLD UNI-DRIVE 700MA



















PHOTOMETRICS 8:25°C						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	45°	LEDLINE 400 NW 45	>70Ra	1000	63	1752
3000K	45°	LEDLINE 400 WW 45	>80Ra	750	47	1415
2700K NEW	45°	LEDLINE 400 27 45*	>80Ra	730	46	1375

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

GENERAL	
Construction material	Anodised aluminium
WIRING	
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)

Yes

Series

700

LED DRIVERS						
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

Yes (1-10V)

	FOR LED driver pathroom zone & additiona	LED drivers see page 290-295
ACCESSORIES		
Product code	Description	
JB4/JB6	Gel filled junction box	297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
WCR 275 BLACK	2-Core rubber cable	297
ULBRACKET	2-piece black anodised aluminium bracket	231



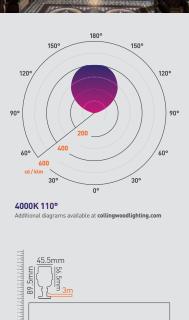


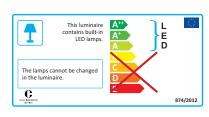




- > Wide beam angle ideal for wall wash
- > Mains driver built in for quick installation
- > Robust cable for permanent use outdoors







# LEDLINE MAINS 400 110° 110° straight to mains LED wall washing light bar



(110°

**4000K** 

3000K

2700K NEW

PHOTOMETRICS @ 25 Colour



110°

110°

110°





Product code

ULM345M40

ULM345M30

ULM345M27\*







CRI

>80Ra

>80Ra

>80Ra



1200







485

L70, B50	į
----------	---

lm	lm/W	lx at 1m
1210	64	499
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)	-	No	2	-	-

ACCESSORIES		
Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	231

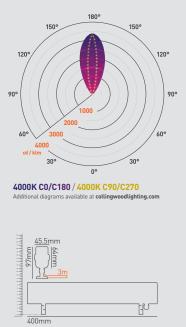






- > Asymmetric beam angle for distance wall wash
- Mains driver built in for quick installation
- > Robust cable for permanent use outdoors







# LEDLINE MAINS 400 25x6° 25x6° straight to mains LED wall washing light bar



(19W)





















PHOTOMETRICS ® 25°C							
Colo	our	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
	4000K	25x6°	ULM346M40	>80Ra	940	50	3191
	3000K	25x6°	ULM346M30	>80Ra	880	46	2987
	2700K <b>NEW</b>	25x6°	ULM346M27*	>80Ra	860	45	2919

	, manage on request, prease care our real lines and model motion 470 i
GENERAL	
Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

WIKINO	
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	2	-	-

ACCESSORIES		
Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	231





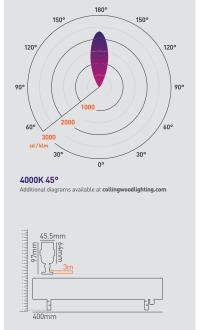


### FEATURES & **BENEFITS**

- > 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



(19W)

(A) (45°





















PHOTOMETRICS @ 25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	45°	ULM347M40	>80Ra	1020	54	2366	
3000K	45°	ULM347M30	>80Ra	1000	53	2326	
2700K NEW	45°	ULM347M27*	>80Ra	970	51	2250	

	Available on request, please call our team for tead times and Mod on 01004 475 151
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)	-	No	2	-	-

ACCESSORIES		
Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	231





# 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



(10W)

(110°)





















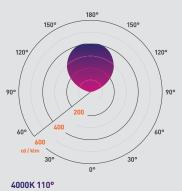
PHOTOMETRICS #25°C							
Col	our	A	Product code	CRI	lm	lm/W	lx at 1m
	4000K	110°	ULS345M40	>80Ra	590	59	253
	3000K	110°	ULS345M30	>80Ra	600	60	258
	2700K <b>NEW</b>	110°	ULS345M27*	>80Ra	580	58	249

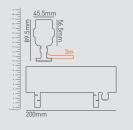
GENERAL	
Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

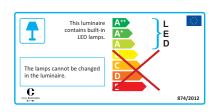
WIRING	
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

ACCESSORIES		
Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	231













- > 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



(10W)

25x6°



(240V)



















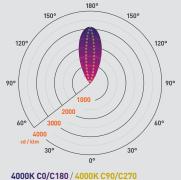
				-	270, 200	
PHOTOMETRICS @25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	25x6°	ULS346M40	>80Ra	490	49	1592
3000K	25x6°	ULS346M30	>80Ra	460	46	1494
2700K NEW	25x6°	ULS346M27*	>80Ra	450	45	1462

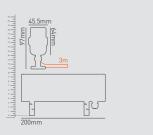
GENERAL	
Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

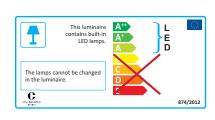
WIRING	
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

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

ACCESSORIES		
Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	231











### FEATURES & **BENEFITS**

- > 45° beam angle ideal for mid-level wall
- 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



(10W)





















)	70,000h	KE
	L70, B50	350

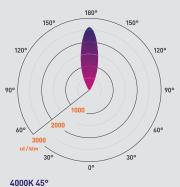
PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	45°	ULS347M40	>80Ra	530	53	1401
3000K	45°	ULS347M30	>80Ra	470	47	1242
2700K NEW	45°	ULS347M27*	>80Ra	460	46	1216

GENERAL	
Construction material	Anodised aluminium
Inrush current	2.1A 0.1ms

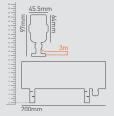
WIRING	
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

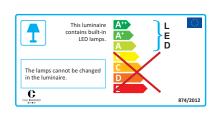
LED DRIVERS					
Product code	mA	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	2	-	-

ACCESSORIES		
Product code	Description	
ULBRACKET	2-piece black anodised aluminium bracket	231



ams available at collingwoodlighting.com





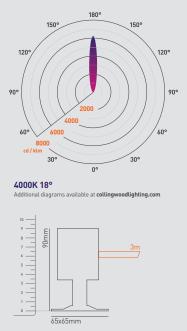


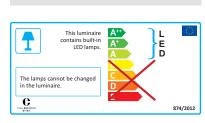




- > Complete with wall fixings
- > Equivalent to 35W halogen
- > Tilt & rotate for adjusting light
- > Robust cable for use outdoors







**UL030**High output universal LED light





































Patent information: collingwoodlic	hting.com/patent

PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	18°	UL030 NW	>70Ra	336	48	2710
3000K	18°	UL030 WW	>80Ra	254	36	1513
2700K NEW	18°	UL030 27*	>80Ra	247	35	1471
Blue	18°	UL030 BL	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

#### GENERAL

WIRING	
Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS				Bath	room zone appli	cable 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 290-295

ACCESSORIES		
Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
WCR 275 BLACK	2-core rubber cable	297

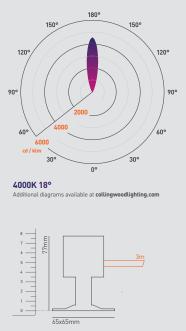






- > Complete with wall fixings
- > Robust cable for use outdoors
- > Tilt & rotate for adjusting light







# **UL010**Universal LED light































Patent information:	collingwoodlight	ting.com/patent

PHOTOMETRICS @25°C							
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	18°	UL010 NW	>70Ra	119	40	648	
3000K	18°	UL010 WW	>80Ra	95	32	411	
2700K NEW	18°	UL010 27*	>80Ra	92	31	399	
Blue	18°	UL010 BL	-	-	-	-	

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

#### GENERAL

Construction material Stainless steel (316)

#### Cable / flying lead 3 (H05RN-F) rubberised cable (outside diameter: 6mm)

Type of wiring required

LED DRIVERS  Bathroom zone applicable to fitting						icable 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 a	zone &	additional	LED	drivers	see	page	290-295

ACCESSORIES		
Product code	Description	
JB2/JB4	Waterproof junction box / Gel filled waterproof connector	296-297
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296
WCR 275 BLACK	2-core rubber cable	297



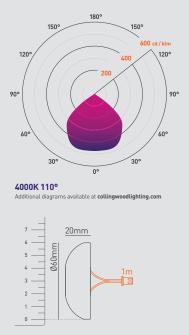


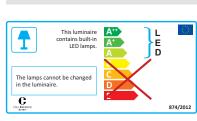




- > Plug & Play connector for quick installation
- > Complete with wall fixings
- > Small & discreet, ideal for under cabinet lighting







# LED LYTE SURFACE Surface-mount LED mini light



























Patent information: collingwoodlighting.co	m/patent
--	----------

PHOTOMETRICS (8 25						
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	110°	LED LYTE SURFACE NW	>70Ra	82	82	46
3000K	110°	LED LYTE SURFACE WW	>80Ra	63	63	30
2700K NEW	110°	LED LYTE SURFACE 27*	>80Ra	61	61	29

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

Construction material Anodised aluminium

WIRING	
Cable / flying lead	1m (0.205mm² 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							
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 drive	bathroom.	zone &	additional	LED	drivers	see	page	290-	29

ACCESSORIES		
Product code	Description	
LED LYTE 1M EXT	1m Plug & Play extension lead	231
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	231
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296

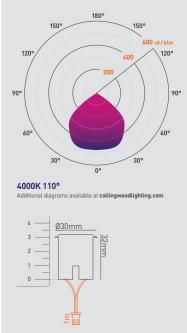


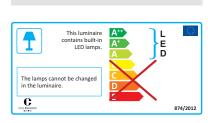




- > Plug & Play connector for quick installation
- > Small & discreet
- ) Ideal for decorative lighting







# **LED LYTE IP**IP rated mini LED flood light



























Patent information: collingwoodlighting.com/patent
--

PHOTOMETR	ICS <sup>@ 25°C</sup>					
Colour	$\wedge$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	110°	LED LYTE IP NW	>70Ra	82	82	46
3000K	110°	LED LYTE IP WW	>80Ra	63	63	30
→ 2700K N	<b>IEW</b> 110°	LED LYTE IP 27*	>80Ra	58	58	29
Amber	110°	LED LYTE IP AMBER	-	-	-	-
Blue	110°	LED LYTE IP BLUE	-	-	-	-
Green	110°	LED LYTE IP GREEN	-	-	-	-
Red	110°	LED LYTE IP RED	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

Construction material Anodised aluminium

### Cable / flying lead 1m (0.205mm² red & black PTFE)

Type of wiring required Series (Plug & Play) NB: Removal of plugs will render this product non-returnable

LED DRIVERS				Bath	room zone appli	cable 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 290-295

ACCESSORIES		
Product code	Description	
LED LYTE 1M EXT	1m Plug & Play extension lead	231
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	231
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296

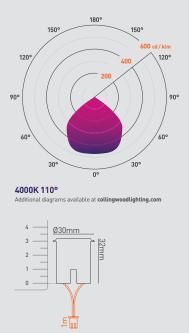


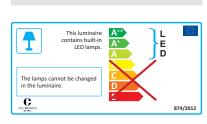




- > Plug & Play connector for quick installation
- > Thread and nut for secure fitting
- > Small & discreet







# **LED LYTE IP T**IP rated threaded mini LED light

Patent information: collingwoodlighting.com/patent



110°





















PHOTOMETRICS @ 25°C							
Colo	our	A	Product code	CRI	lm	lm/W	lx at 1m
	4000K	110°	LED LYTE IP T NW	>70Ra	82	82	46
	2700K <b>NEW</b>	110°	LED LYTE IP T 27*	>80Ra	58	58	29
	Blue	110°	LED LYTE IP T BL	-	-	-	-

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

Construction material Anodised aluminium

WIRING	
Cable / flying lead	1m (0.205mm² 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						cable 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	290-2	95

ACCESSORIES		
Product code	Description	
LED LYTE 1M EXT	1m Plug & Play extension lead	231
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	231
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296







LED LYTE
Mini LED downlight



(110°)



(1W)















PHOTOMETRICS @25°C							
Colour	A	Product code	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	110°	LED LYTE NW	>70Ra	82	82	46	
3000K	110°	LED LYTE WW	>80Ra	60	60	30	
2700K NEW	110°	LED LYTE 27*	>80Ra	58	58	29	
Amber	110°	LED LYTE AMBER	-	-	-	-	
Blue	110°	LED LYTE BLUE	-	-	-	-	
Red	110°	LED LYTE RED	-	-	-	-	

\*Available on request, please call our team for lead times and MOQ on 01604 495 151

#### **GENERAL**

Construction material Plastic

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						
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

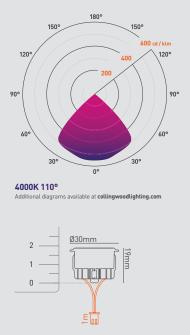
For LED driver bathroom zone & additional LED drivers see page 290-295

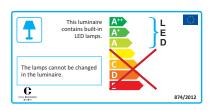
ACCESSORIES		
Product code	Description	
LED LYTE 1M EXT	1m Plug & Play extension lead	231
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	231
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	296

# FEATURES & BENEFITS

- > Plug & Play connector for quick installation
- > Small & discreet
- ) Ideal for decorative lighting



















# 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	) DI 0 DI 11 11

USE IN CONJUNCTION WITH					
DL120	97				
DL130	97				
LED LYTE	230				
LED LYTE IP	228				
LED LYTE IP T	229				
LED LYTE SURFACE	227				
PLU/PP/350 1-9	292				
WL050	148				

LED LYTE 1M EXT LED LYTE 6 WAY EXT
Plastic
Series (Plug & Play)
1m
1-year
NB: Removal of plugs will render this product non-returnable

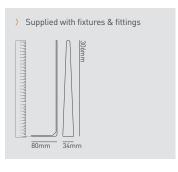
- > Plug & Play connectivity removes the need for traditional time consuming wiring
- > Each ext. socket can be used for additional LED
- > Complete circuit with LED or blanking plug

# ULBRACKET Anodised aluminium bracket for LEDLINE range



Product Code	ULBRACKET
Construction material	AL6063 aluminium
Guarantee	1-year

USE IN CONJUNCTION WITH	
LEDLINE 400 110	216
LEDLINE 400 25X6	217
LEDLINE 400 45	218
LEDLINE MAINS 400 110	219
LEDLINE MAINS 400 25X6	220
LEDLINE MAINS 400 45	221
LEDLINE MAINS 200 110	222
LEDLINE MAINS 200 25X6	223
LEDLINE MAINS 200 45	224
UL345CARGB	267
UL346CARGB	268
UL347CARGB	269







### **CHOOSE** YOUR EFFECT

### **LAYERING** LIGHT

Use spike lights to; illuminate pathways, highlight mid-level planting or to pick out features within a garden.

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.









**Pathways** 

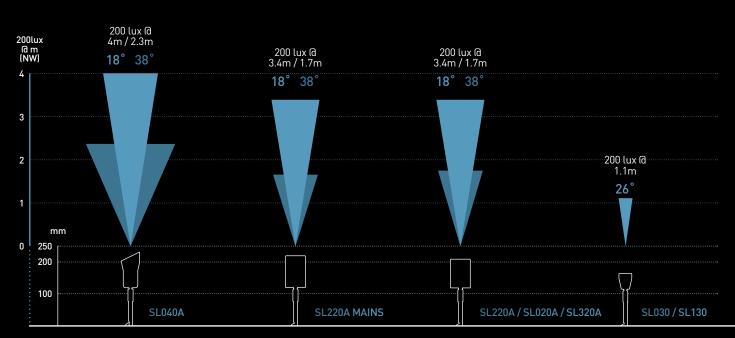
Mid-level planting

**Features** 

Light confined to one area

Light spread across installation

### **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 296-297







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

### **LOW GLARE HOODS & SNOOTS**

Upgrade the look and feel of your spike light installation with a simple low glare hood or low glare snoot accessory.

### Standard spike light



Flexible landscape lighting from a high-quality fixture you can trust

### Low glare hood



Simple low glare accessory creating discreet lighting whilst optimising the light distribution

#### Low glare snoot



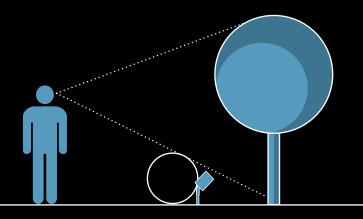
A chic low glare accessory which elevates the style factor. Perfect for creating a moonlight effect

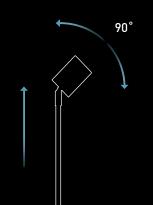
### **DISCREET** LIGHTING

### **FLEXIBILITY**

Conceal spike lights to focus the eye on the illumination not the source of light.

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

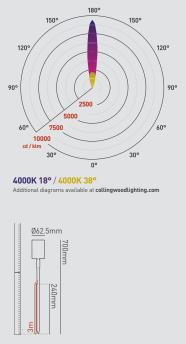
Simply pick up and move a spike light to illuminate a different feature.





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







# SL220A MAINS Straight to mains LED spike light



























Patent information:	collingwoodlighting.com/patent	

PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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	Dimming	Bathroom zone	Min	Max
N/A (integrated SELV driver)	-	No	-	-	-

ACCESSORIES		
Product code	Description	
JB5	Gel filled waterproof connector	297
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	238
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	238



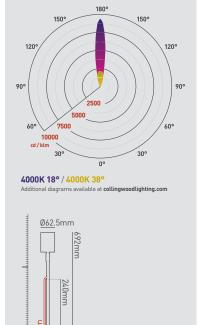


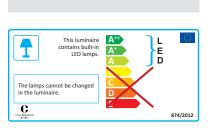




- > Equivalent to 20W halogen
- > Long spike included for extra stability
- > Robust cable for outdoor use
- > Available in anodised aluminium, black and copper







# SL220A | SL020A BLK | SL320A



3W





















SL220A	/ SL020A	BLK	5

SLZZUA / S	LUZUA BLK	SL32UA

PHOTOMETRICS 45.5								
Colour		A	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
			38°	SL320A 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
			38°	SL320A F WW	>80Ra	265	88	602
			18°	SL220A S WW	>80Ra	265	88	2413
			18°	SL020A BLK S WW	>80Ra	265	88	2413
	2700K N	IEW	38°	SL020A BLK F 27	>80Ra	261	87	593
	N	IEW	38°	SL320A F 27	>80Ra	261	87	593

#### GENERAL Construction material SL220A / SL020A BLK: Anodised aluminium SL320A: Copper

WIRING	
Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS					Bathroom zone appl	licable 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 <b>290-295</b>
ACCESSORIES		
Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	296-297
PDC/GRID DIMMER	1-10V dimmer module	296
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	238
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	238





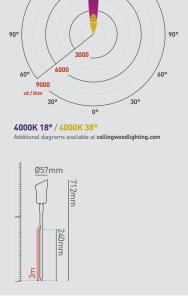
# FEATURES & BENEFITS

- > Equivalent to 35W halogen
- > Long spike included for extra stability
- > Robust cable for outdoor use
- ) Hooded for reduced glare



180°

120°





# **SL040A**High output LED spike light



























Patent information:	collingwoodlig	hting.com/patent

PHOTOMETRICS	6 a 25°C					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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	38°	SL040A F 27	>80Ra	377	54	1066
	18°	SL040A S 27	>80Ra	377	54	3345

GE	N	Е	R	Α	L

Construction material Anodised aluminium

WIRING	
Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS		Ва	throom zone app	licable 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 290-295

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	296-297
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	1-10V dimmer module	296



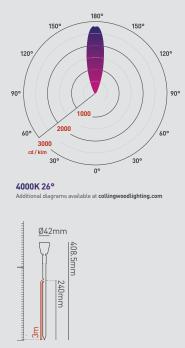


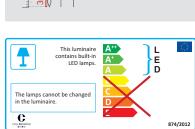


# FEATURES & BENEFITS

- > Long spike included for extra stability
- > Robust cable for outdoor use
- > Small & discreet







# SL030 | SL130 1W LED spike light



(1W)



√900√



















Patent information: collingwoodlighting.com/patent	
--	--

PHOTOMETRICS	@ 25°C					
Colour	A	Product code	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	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	26°	SL030 F 27	>80Ra	70	70	196
	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 290-295						

ACCESSORIES		
Product code	Description	
JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	296-297
WCR 275 BLACK	2-core rubber cable	297
PDC/GRID DIMMER	1-10V dimmer module	296





GH220S GH220B





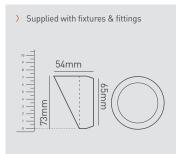




### **GH220**

Product Code	GH220B : Black GH220S : Silver
Construction material	Anodised Aluminium
Guarantee	7-year

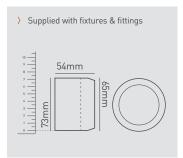
USE IN CONJUNCTION WITH	
WL220A MAINS	144
WL220A	145
WL220A BLK	145
SL220A MAINS	234
SL220A	235
SL220A BLK	235
WL220CARGB	266
WL021CARGB	266
SL220CARGB	275
SL021CARGB	275



Stylish, baffle-style snoot, perfect for creating a moonlighting effect

Product Code	GS220B : Black GS220S : Silver
Construction material	Anodised Aluminium
Guarantee	7-year

USE IN CONJUNCTION WITH	
WL220A MAINS	144
WL220A	145
WL220A BLK	145
SL220A MAINS	234
SL220A	235
SL220A BLK	235
WL220CARGB	266
WL021CARGB	266
SL220CARGB	275
SL021CARGB	275



- > Simple accessories for controlling glare
- > Can be used on both spike light and wall light families for a consistent outdoor lighting installation
- > 7-year warranty







### **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.

### 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.



### 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.



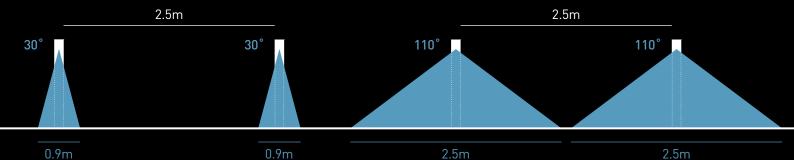
If Iroko wood is left untreated it will turn a silvery grey

colour over time, blending with natural surroundings.

For a pathway with regular points highlighted...

240

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.



#### B0L255 & B0L256

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 296-297.



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

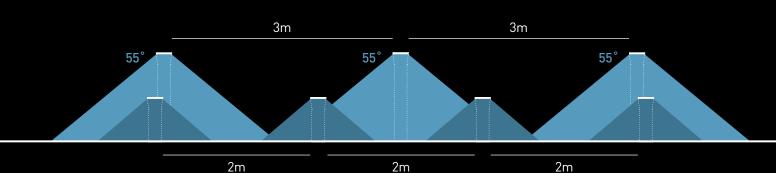
The anodised aluminium bollards offer 360° illumination, making them ideal for lighting footpaths in parks, car narks and driveways

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...

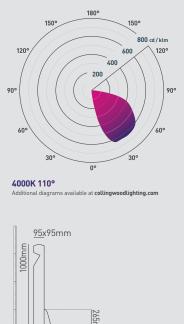


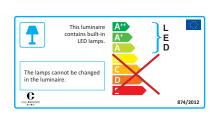


### FEATURES & **BENEFITS**

- > **NEW** armoured cable as standard; no need for additional capping or conduit
- > Hand-crafted from hard-wearing Iroko wood and with an IP65 rating, this bollard is both a stunning and functional addition to outdoor areas
- The Iroko wood weathers over time to a beautiful natural grey colour or can be treated to maintain its original colour







<u>1.8m</u>

### **BOL LED MAINS**

Straight to mains, wooden LED bollard



(110°)



















* Extended warranty available on LEDs and LED driver only I	Patent information: collingwoodlighting.com/patent

PHOTOMETRICS (8 25	5°C					
Colour	$\wedge$	Product code	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	110°	BOL LED 030 MAINS NW	>80Ra	246	49	104
3000K	110°	BOL LED 030 MAINS WW	>80Ra	160	32	80
2700K NEW	110°	BOL LED 030 MAINS 27*	>80Ra	156	31	78

GENERAL	
Construction material	Iroko wood
Inrush current	17.9A 0.1ms

WIRING	
Cable / flying lead	NEW 1.5mm SY 2 Core PVC Steel Braid Cable
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	244
JB5	Gel filled junction box	297







### **BOL LED 1**

Wooden LED bollard













tended warranty available on LEDs and LED driver only | Patent information: collingw



'-35°C











PHO	PHOTOMETRICS @ 25°C						
Col	our	$\triangle$	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
	2700K <b>NEW</b>	26°	BOL LED 1 27*	>80Ra	70	70	204

\*Available on request, please call our team for lead times and MOQ on 01604 495 151  $\,$ 

#### 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 app	icable 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

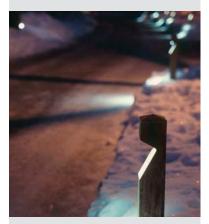
For LED driver bathroom zone & additional LED drivers see page 290-295

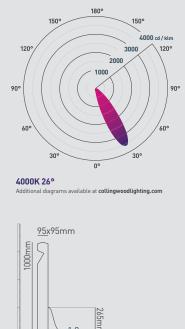
ACCESSORIES		
Product code	Description	
BOL LED BRACKET	Stainless steel bracket for BOL LED range	244
JB2 / JB4 / JB6	Gel filled waterproof connectors	296-297
WCR 275 BLACK	2-core rubber cable	297

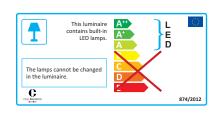


### FEATURES & BENEFITS

- > Use with chain / rope to edge path (not supplied)
- $\rangle \quad \hbox{Robust cable for outdoor use}$
- > 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.

















PRODUCT DATA		
Product code	BOL LED BRACKET	
GENERAL		
Construction material	Stainless steel (304)	
ACCESSORIES		
Product code	Description	
BOL LED 1	Wooden LED bollard	243
BOL LED 030 MAINS	Straight to mains wooden LED bollard	242











- > 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



(16.5W)

55°

PHOTOMETRI Colour 3000K

















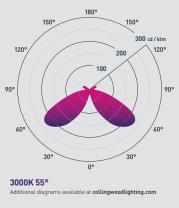
n	

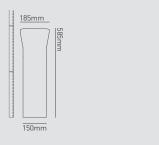
ICS @ 25°C					
$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
55°	BOL255WW	>85Ra	750	45	53

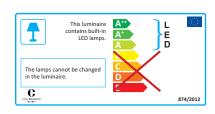
GENERAL	
Building regulations	Part P (electrical safety)
Construction material	Anodised aluminium / polycarbonate
Inrush current	38.8A 0.002ms
WIRING	
Cable / flying lead	1.5m H05RN-F 3G 0.75mm² 7mm outside
Type of wiring required	Parallel (mains) 220 - 240V AC 50/60Hz

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

ACCESSORIES		
Product code	Description	
B0L255RM	Root mounting kit	247
JB5	Gel filled junction box	297









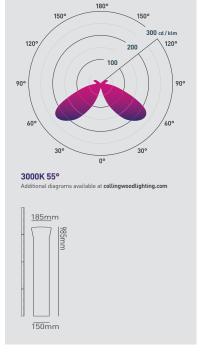


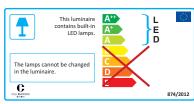


# FEATURES & BENEFITS

- low glare 360° illumination, ideal for pathways, boundary marking, or general illumination of exterior spaces
- angle Modular design for simple installation
- > Root-mount or surface-mount
- > Surface-mount bracket and fixtures are included







### **BOL256**

985mm straight to mains anodised aluminium LED bollard



Ideal for use outdoors

(16.5W)



(240V)















L70,	B50	

50

PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	CRI	lm	lm/W	lx at 1m
3000K	55°	B0L256WW	>85Ra	750	45	53

GENERAL		
Building regulations	Part P (electrical safety)	
Construction material	Anodised aluminium / polycarbonate	
Inrush current	38.8A 0.002ms	
WIRING		

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	
B0L255RM	Root mounting kit	247
JB5	Gel filled junction box	297

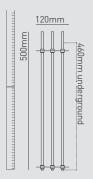






### FEATURES & **BENEFITS**

- > Marine grade stainless steel (316) construction
- > Can be used with concrete or other building materials
- > Supplied with expanding bolts for security



### BOL255RM





PRODUCT DATA	
Product code	B0L255RM

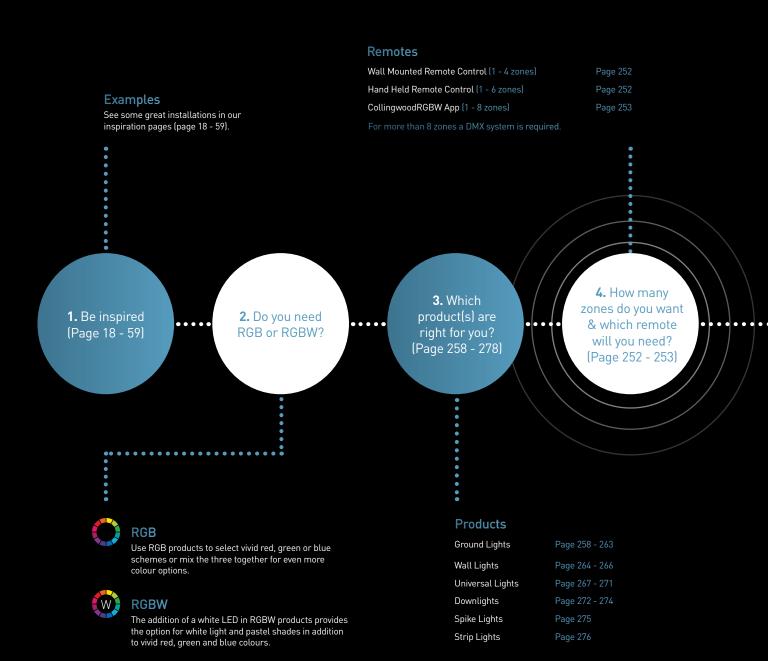
GENERAL Construction material Stainless steel (316)

ACCESSORIES		
Product code	Description	
B0L255	585mm, straight to mains, anodised aluminium LED bollard	245
B0L256	985mm, straight to mains, anodised aluminium LED bollard	246





### **EIGHT EASY STEPS** TO UNDERSTANDING COLOUR CHANGE





### **Power Repeaters**

PR3011

Page 254

PR3002

Page 255

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 278).

You may also need extension cable (page 277).

5. Which power repeater do you need & how many of them? (Page 254 - 255)

6. Do you need a controller or a DMX decoder? (Page 256 - 257)

••••

7. What cable will you need? (Page 277-278)

••••

**8.** Place your order

#### Controller / Decoder

C100924 (controller)

Page 256

DMX2102 (decoder)

Page 257

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)

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.

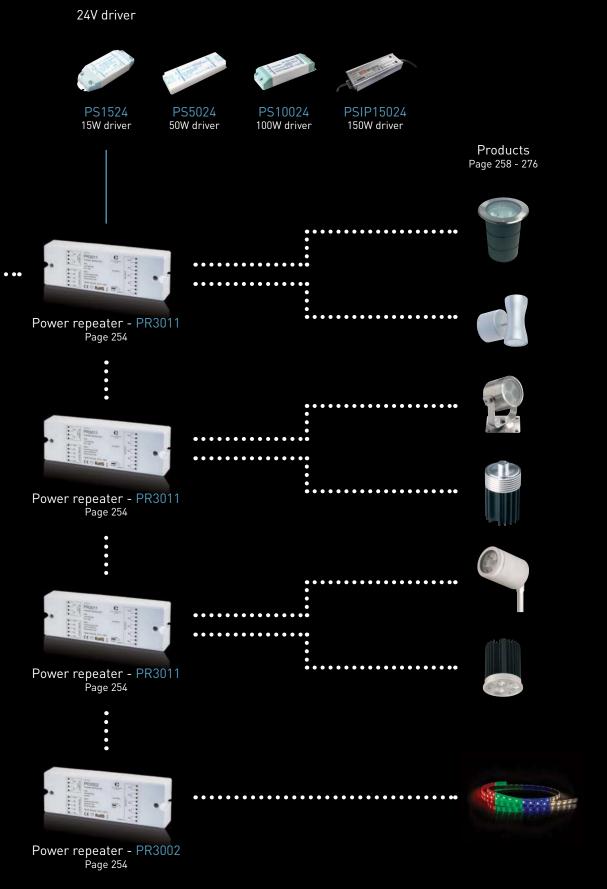
Avoid using RGB and RGBW products in the same zone as the colour may not always match.



(TR2818 requires a driver)









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

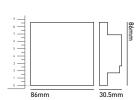
WALL MOUNTED RGBW REMOTE CONTROL

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)





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.



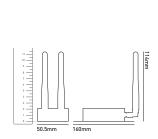
### TR2818

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?



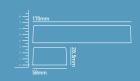
Now you know which products you are going to use and how many of them you will be using in each zone, you can establish which power repeaters you need and work out how many of them you will require.

### 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







GL090RGBW

UL030RGBW

GL016RGBW

Using the table to the left we can see that you would need to spread them over the following power repeaters

1st PR3011











2 x GL090RGBW

1 x GL090RGBW 1 x UL030RGBW 4 x GL016RGBW

This means you would need to order the following...



PR3011

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

up to 100 to a C100924 for a quick and simple colour change installation, giving you the ability to have as many as 1000





### 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

- For all strip, you can put up to 5m on one circuit per PR3002, but for 5-10m you will need to put the strip on two circuits per PR3002 (see product instructions).
- Don't forget you will need 300mm of CF505RGBW cable for every power repeater you use.

#### For example...

If you had selected these products for your zone.



LSR05

Using the table to the left we can see that 10m of LSR05 strip would fully load a PR3002 so the remaining 3m of strip would need another PR3002 (using just under 50% of it).

1st PR3002

2nd PR3002





This means you would need to order the following...



We are using 2 x PR3002. As you can see from the tables you will need a 150W driver for 10m of LSR05. The remaining 3m will need a 50W driver. This means you will need the following...





PSIP15024

# **CONTROLLERS**WHICH ONE & WHAT POWER SUPPLY?



A controller is the device that receives a signal from your remote or DMX control system and then makes the LEDs match the colour you have set. You need one controller in each zone to adjust all of the LEDs in that zone.

You will have already decided how many zones you are going to have. If you are controlling 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



## 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



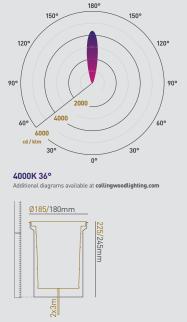
PSIP15024 150W driver

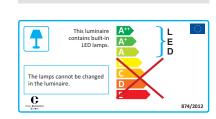


### FEATURES & **BENEFITS**

- Adjustable LED fitting to ±20°
- > Installation tube included
- > 10mm toughened glass, ideal for use in driveways
- > Full RGBW colour range
- > Separate white LED for permanent use
- > Compatible with a large range of controllers







GL007RGBW

Drive over, colour change LED ground light with white LED (12W max.)





























Patent information:	collingwoodlig	hting.com/	patent

PHOTOMETI	RICS 18 25°C						
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000</b> 4000K	36°	1	3.3	>80Ra	180	55	782
Red	36°	GL007RGBW	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						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	2

		Tot LED diver buting on Lone & duditional LED divers see page 270 270
ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
Installation tube included		
JB7	5-pole IP68 inline connector	297
CR575RGBW	5-core PVC cable	277





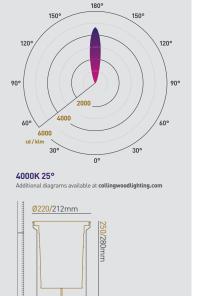


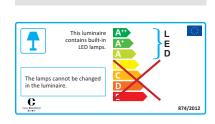
- > Adjustable LED fitting to ±20°
- > Installation tube included
- > 10mm toughened glass, ideal for use in driveways

**COLLINGWOOD** LIGHTING

- > 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.)





























nformation: collingwoodlighting.com/patent		

PHOTOMETRICS © 25°C								
Col	our	A	Product code	W	CRI	lm	lm/W	lx at 1m
	4000K	25°	1	6.6	>80Ra	360	55	1701
	Red	25°	GL008RGBW	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)		Ba	throom zone app	licable to fitting only		
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1
For LED driver hatbroom zone & additional LED drivers see n						

ACCESSORIES		For complete range of colour change controllers see page 254-257		
Product code	Description			
Installation tube included				
JB7	5-pole IP68 inline connector	297		
CR575RGBW	5-core PVC cable	277		



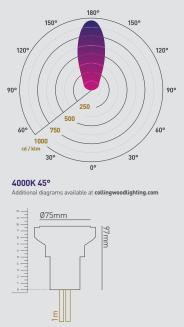


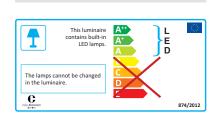
> High output colour change for large areas

COLLINGWOOD LIGHTING

- > 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







GL090RGBW
High output LED colour change ground light with white LED (12W max.)



(45°)













PHOTOMETRICS 925°C								
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m	
<b>4000K</b>	45°	1	3	>80Ra	177	59	173	
Red	45°	GL090RGBW	2	-	106	53	60	
Green	45°	-	3	-	185	62	168	
Blue	45°		3	-	43	14	1	

						,	
<b>4000</b> 4000 K	45°	1	3	>80Ra	177	59	173
Red	45°	GL090RGBW	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)							
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max	
PR3011	350	-	Yes	1	1	2	
	For LED driver bathroom zone & add	itional LED drive	rs see page <b>290-295</b>				

ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
TUBE/68	Installation tube	131
JB7	5-pole IP68 inline connector	297
CR575RGBW	5-core PVC cable	277







### 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.)





























277

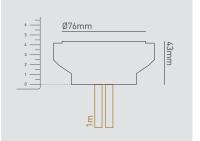
PHOTOMETRIC	S @ 25°C						
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
Red	18°	1	1	-	34	34	287
Green	18°	- GL040CARGB	1.2	-	68	56	697
Blue	18°		1.2	_	8	7	8

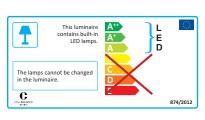
GENERAL	
Construction material	Stainless steel (316)
Drive over / walk over	Walk over (5mm toughened glass)

WIRING	
Cable / flying lead	2x 1m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	Series

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6
				For LED driver bathroom zone & ad	ditional LED drive	rs see page <b>290-295</b>
ACCESSORIES				For complete range of colour	change controller	rs see page <b>254-257</b>
Product code	Descripti	on				
TUBE/68	Installatio	on tube				131
JB7	5-pole IP	68 inline cor	nnector			297

4-core PVC cable







LED RGB 0.75 CABLE

LED DRIVERS (power repeaters)



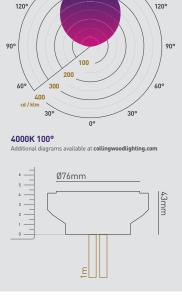
### FEATURES & **BENEFITS**

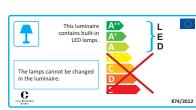
- > Frosted glass for subtle colour change
- > Low profile for easy installation
- > Full RGBW colour range
- > Compatible with a large range of controllers
- > Separate white LED for permanent use
- > Marine grade stainless steel for use in outdoor and indoor environments



150°

150°





GL050RGBW
Colour change LED ground / marker light with white LED (5W max.)

















(100°)

PHOTOMETRICS	PHOTOMETRICS R25°C						
Colour	$\wedge$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000</b> K	100°	1	1.2	>85Ra	11	9	2
Red	100°	GL050RGBW	1	-	9	9	2
Green	100°	-	1.2	-	13	11	3
Blue	100°		1.2	-	2	2	1

Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	100°	1	1.2	>85Ra	11	9	2
Red	100°	GL050RGBW	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

mA	SELV	Dimming	Bathroom zone	Min	Max
350	-	Yes	1	1	6
		F	or LED driver bathroom zone & add	litional LED drive	s see page <b>290-295</b>
			350 - Yes	mA SELV Dimming Bathroom zone 350 - Yes 1	

ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
TUBE/68	Installation tube	131
JB7	5-pole IP68 inline connector	297
CR575RGBW	5-core PVC cable	277







**GL016RGBW**LED colour change ground light with white LED (5W max.)



(40°













PHO	PHOTOMETRICS © 25°C							
Col	our	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
	4000K	40°	1	1.2	>85Ra	50	42	74
	Red	40°	- GL016RGBW	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)						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6
				For LED driver bathroom zone & add	tional LED driver	s see page <b>290-295</b>
ACCESSORIES				For complete range of colour	:hange controller	s see page <b>254-257</b>

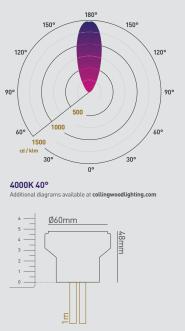
ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
TUBE/50	Installation tube	131
JB7	5-pole IP68 inline connector	297
CR575RGBW	5-core PVC cable	277

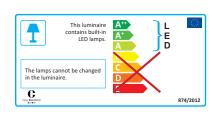


### FEATURES & **BENEFITS**

- > 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







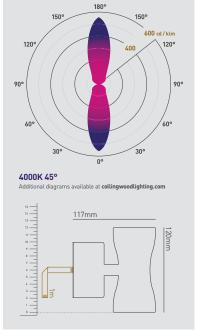




### FEATURES & **BENEFITS**

- > 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
- > Compatible with a large range of controllers







## WL070RGBW



Construction material

45°











PHOTOMETRICS	PHOTOMETRICS @ 25°C								
Colour	A	Product code	W	CRI	lm	lm/W	lx at 1m		
<b>4000</b> K	45°	1	6	>80Ra	200*	67	154		
Red	45°	- WL070RGBW	4	-	145*	73	60		
Green	45°	-	6	-	230*	77	168		
Blue	45°		6	_	38*	13	1		

Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	45°	1	6	>80Ra	200*	67	154
Red	45°	- WL070RGBW	4	-	145*	73	60
Green	45°	+	6	-	230*	77	168
Blue	45°		6	-	38*	13	1
							* Per module

GENERAL

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)				Ва	throom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1
			F	For LED driver bathroom zone & add	itional LED driver	rs see page <b>290-295</b>

ACCESSORIES		controllers see page 254-257
Product code	Description	
LEDRGBWEXT	Colour change Plug & Play 1m extension lead	278









- > 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.)















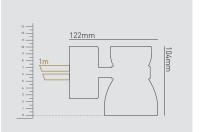


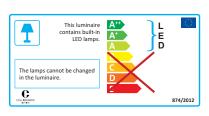




PHOTO	OMETRICS (0 25°		LED RGB units are designed					
Colour	-	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
R	ted	45°	1	2.4	-	65	27	41
<ul><li>G</li></ul>	reen	45°	- WL075CARGB	3.7	-	99	27	137
<ul><li>B</li></ul>	llue	45°	1	3.7	_	31	8	14

GENERAL						
Construction material	Anodise	ed aluminium				
WIRING						
Cable / flying lead	2x 1m 4	-core ribbon	cable			
Type of wiring required	Series (	Series (Plug & Play)				
	NB: Remov	al of plugs will ren	der this product non-retur	nable		
LED DRIVERS (power repeaters)				Ba	throom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	2
			ı	or LED driver bathroom zone & add	litional LED driver	s see page <b>290-295</b>
ACCESSORIES				For complete range of colour	change controller	s see page <b>254-257</b>
Product code	Descrip	tion	·	·		
LED 3 RGB EXT	Colour	change exten	sion lead for RGB	products		278









### 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.)

























PH	OTOMETRICS ®	25°C						
Col	our	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
	Red	18°	1	1	-	34	34	287
•	Green	18°	- WL220CARGB	1.2	-	68	57	697
	Blue	18°		1.2	-	8	7	8
	Red	18°	1	1	-	34	34	287

Green	18°	- WL220CARGB	1.2	-	68	57	697
Blue	18°		1.2	-	8	7	8
Red	18°	1	1	-	34	34	287
Green	18°	- WL021CARGB	1.2	-	68	57	697
Blue	18°		1.2	-	8	7	8

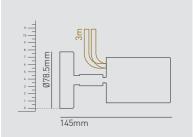
#### GENERAL

Anodised aluminium Construction material

WIRING	
Cable / flying lead	2x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	Series

LED DRIVERS (power repeaters)						
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 290-295					
ACCESSORIES For complete range of colour change controllers see page 254-3						s see page <b>254-257</b>
Product code	Descrip	otion				

Description	
Waterproof junction box	296
4-core PVC cable	277
Simple hood to reduce glare whilst maintaining a good light distribution	238
Stylish, baffle-style snoot, perfect for creating a moonlighting effect	238
	Waterproof junction box 4-core PVC cable Simple hood to reduce glare whilst maintaining a good light distribution















UL345CARGB
110° colour change LED wall washing light bar (12W max.)



(110°)



√<sub>180°</sub>↓













PHOTOMETRICS	S <sup>@ 25°C</sup>	LED RGB units a	are designed for colour c	hange. They are r	not suitable for running	on permanent white	for long periods of time
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
Red	110°	1	4	-	96	24	20
Green	110°	- UL345CARGB	4.1	-	161	39	58
Blue	110°		4.3	-	51	12	0

-		
GENERAL		
Construction material	Anodised aluminium	

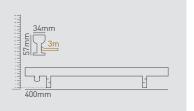
WIRING	
Cable / flying lead	1x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)

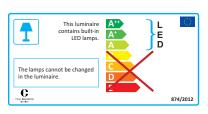
LED DRIVERS (power repeaters)					Bathroom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1

	FOR LED driver pathroom zone & additional LEL	drivers see page 270-275
ACCESSORIES		ntrollers see page <b>254-257</b>
Product code	Description	
JB3	Colour change extension lead for RGB products	296
LED RGB 0.75 CABLE	4-core PVC cable	277
ULBRACKET	2 piece black anodised aluminium bracket	231

### 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











- > 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.]

√<sub>180</sub>•↓













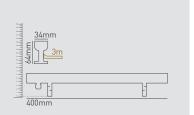


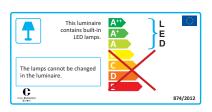
|--|

PHO	OTOMETRICS (8 25							ong periods of time
Col	our	A	Product code	W	CRI	lm	lm/W	lx at 1m
	Red	25x6°	1	4	-	70	18	154
	Green	25x6°	- UL346CARGB	4.1	-	136	33	442
	Blue	25x6°	]	4.3	-	23	5	10

GENERAL						
Construction material	Anodise	ed aluminium				
WIRING						
Cable / flying lead	1x 3m L	.ED RGB 0.751	mm² cable (outsi	de diameter: 6mm)		
Type of wiring required	N/A (1 per power repeater)					
LED DRIVERS (power repeaters)				Ва	throom zone app	licable to fitting o
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1
				For LED driver bathroom zone & add	litional LED drive	s see page <b>290-</b> 2
ACCESSORIES				For complete range of colour	change controlle	rs see page <b>254-</b> 2
Product code	Descrip	tion				
JB3	Waterp	roof junction b	OOX			2
LED RGB 0.75 CABLE	4-core	PVC cable				2'

2 piece black anodised aluminium bracket









ULBRACKET





- > 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



















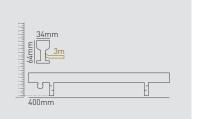
231

_			

РНОТО	METRICS @ 25°	°C	LED RGB units are designed	i for colour cha	inge. They are not suita	ble for running on p	ermanent white for lo	ng periods of time
Colour		$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
Re	ed	45°	1	4	-	77	19	102
Gr	reen	45°	- UL347CARGB	4.1	-	285	70	329
Bl	lue	45°		4.3	-	51	12	5

GENERAL						
Construction material	Anodised	l aluminium				
WIRING						
WIKING						
Cable / flying lead	1x 3m LE	D RGB 0.75m	nm² cable (outside	e diameter: 6mm)		
Type of wiring required	N/A (1 pe	r power repe	ater)			
LED DRIVERS (power repeaters)						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	1
			F		Iditional LED driver	s see nage 290-295
				or LED driver bathroom zone & ad	iditional LLD driver	s see page 270 270
ACCESSORIES				For complete range of colour		
ACCESSORIES Product code	Descripti	ion				
			ion lead for RGB p	For complete range of colou		

2 piece black anodised aluminium bracket







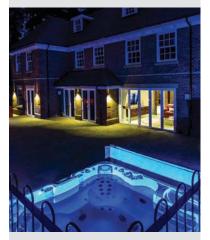
ULBRACKET



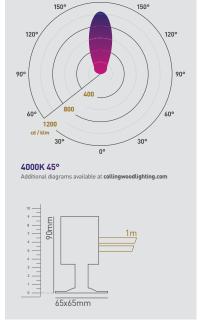
- > Complete with wall fixings for easy installation
- > Can rotate and be angled to direct light

COLLINGWOOD LIGHTING

- > Separate white LED for permanent use
- > Full RGBW colour range
- > Compatible with a large range of
- > Marine grade stainless steel for use in outdoor and indoor environments



180°





# **UL030RGBW**Colour change LED light with white LED [12W max.]



























PHOTOMETRICS ® 25°C							
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
4000K	45°	1	3	>80Ra	177	59	154
Red	45°	- UL030RGBW	2	-	106	53	60
Green	45°	_	3	-	185	62	168
Blue	45°		3	_	43	14	1

#### GENERAL

Type of wiring required

Construction material Stainless steel (316)

WIRING	
Cable / flying lead	2v 1m CR575RGRW (outside diameter: 7 /mm)

Series

LED DRIVERS (power repeaters)				В	throom zone app	licable 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 290-295
ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
JB7	5-pole IP68 inline connector	297
CP575PGRW/	5-coro PVC cablo	277







# **UL010RGBW**Colour change LED light with white LED (5W max.)























PHOTOMETRICS	PHOTOMETRICS @ 25°C						
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	40°	1	1.1	>80Ra	50	45	101
Red	40°	- UL010RGBW	1	-	38	38	75
Green	40°	-	1.1	-	63	57	124
Blue	40°		1.1	-	11	8	17

#### GENERAL

Cable / flying lead

Construction material Stainless steel (316)

WIRING		

Type of wiring required Series

LED DRIVERS (power repeaters)				Ba	throom zone app	licable to fitting only
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	1	1	6
			F	or LED driver bathroom zone & add	itional LED drive	rs see page 290-295

2x 1m CR575RGBW (outside diameter: 7.4mm)

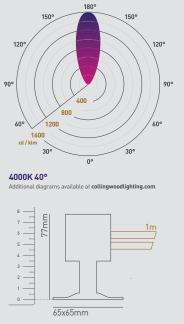
ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
JB7	5-pole IP68 inline connector	297
CR575RGBW	5-core PVC cable	277

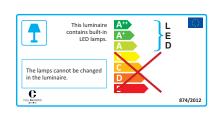


### FEATURES & **BENEFITS**

- > 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
- > Marine grade stainless steel for use in outdoor and indoor environments











## DL329RGBW









PHOTOMETRICS © 25°C							
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	-	1	1.1	>80Ra	14	13	-
Red	-	DL329RGBW	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)

LED DRIVERS (power repeaters)						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	6

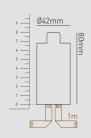
NB: Removal of plugs will render this product non-returnable

	For LED driver bathroom zone & addition	ınal LED drivers see page 290-295
ACCESSORIES	For complete range of colour cha	ange controllers see page <b>254-257</b>
Product code	Description	
LEDRGBWEXT	Colour change Plug & Play 1m extension lead	278
FIBRE LED 1/30	Fibre optics 1m	99
FIBRE LED 2/30	Fibre optics 2m	99



### FEATURES & **BENEFITS**

- > Low weight for mounting in ceiling voids
- > Requires no fan to cool down
- > Projects light down 1m & 2m lengths
- > Full RGBW colour range
- > Separate white LED for permanent use
- > Compatible with a large range of controllers













### FEATURES & **BENEFITS**

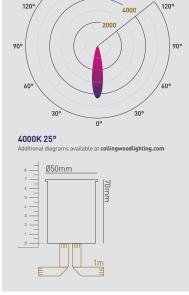
- > MR16 for retrofit into existing housings
- > Plug & Play connectors for quick installation
- > Separate white LED for permanent use
- > Full RGBW colour range
- > Compatible with a large range of

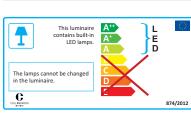


180°

150°

150°





## LL090RGBW



25°











HOUSING DEPENDANT







PHOTOMETRICS @ 25°C							
Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	25°	1	3.3	>80Ra	253	77	1099
Red	25°	LL090RGBW	2.4	-	140	58	292
Green	25°	-	3.3	-	275	83	831
Blue	25°		3.3	-	46	14	15

1110	TOMETRIOS							
Cold	our	A	Product code	W	CRI	lm	lm/W	lx at 1m
	4000K	25°	1	3.3	>80Ra	253	77	1099
	Red	25°	LL090RGBW	2.4	-	140	58	292
	Green	25°	-	3.3	-	275	83	831
	Blue	25°		3.3	-	46	14	15

Colour	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m
<b>4000K</b>	25°	1	3.3	>80Ra	253	77	1099
Red	25°	LL090RGBW	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 (newer repeaters)		D-45

LED DRIVERS (power repeaters)						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	2
				E 150 1: 1:1	100 1150 11	000 005

	Tot EED dilver betill com zone & additional E	.LD drivers see page 270-270
ACCESSORIES		controllers see page <b>254-257</b>
Product code	Description	
LEDRGBWEXT	Colour change Plug & Play 1m extension lead	278







- > 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







A

18°

18°

18°

Product code

LL030CARGB

Colour

Red

Blue

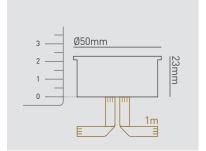
Green

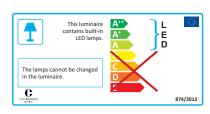


11

GENERAL						
Construction material	Alumin	ium				
WIRING						
Cable / flying lead	2x 1m F	Plug & Play 4-	core ribbon cable			
Type of wiring required	Series (	Series (Plug & Play)				
	NB: Remo	val of plugs will rend	der this product non-retur	nable		
LED DRIVERS (power repeaters)				Ba	throom zone app	licable to fitting on
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	6
			1	For LED driver bathroom zone & add	litional LED driver	's see page <b>290-2</b> 9
ACCESSORIES						rs see page <b>254-25</b>
Product code	Descrip	tion				
LED 3 RGB EXT	Colour	change Plug &	& Play 1m extensi	on lead		27

1.2









# FEATURES &

- > Adjustable angle to direct light
- > Full RGB colour range

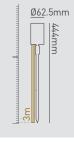


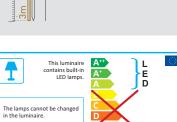
# **BENEFITS**

- > Anodised aluminium for use in outdoor and indoor environments



- > Compatible with a large range of controllers





# SL220CARGB | SL021CARGB Colour change LED spike light [4W max.]



(18°)















√900√

РНОТО	OMETRICS (8 25			LED RGB units are designed for colour change. They are not suitable for running on permanent white for long periods of time					
Colour	-	$\triangle$	Product code	W	CRI	lm	lm/W	lx at 1m	
Re	led	18°	1	1	-	34	34	287	
Gr	reen	18°	- SL220CARGB	1.2	-	68	57	697	
<ul><li>BI</li></ul>	llue	18°	]	1.2	-	8	7	8	
Re	led	18°	1	1	-	34	34	287	
• Gi	reen	18°	- SL021CARGB	1.2	-	68	57	697	
BI	llue	18°	]	1.2	-	8	7	8	

COL	bur	~	Product code	VV	CRI	ım	tm/ w	tx at 1m
	Red	18°	1	1	-	34	34	287
	Green	18°	SL220CARGB	1.2	-	68	57	697
	Blue	18°		1.2	-	8	7	8
	Red	18°	1	1	-	34	34	287
	Green	18°	SL021CARGB	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 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	Series

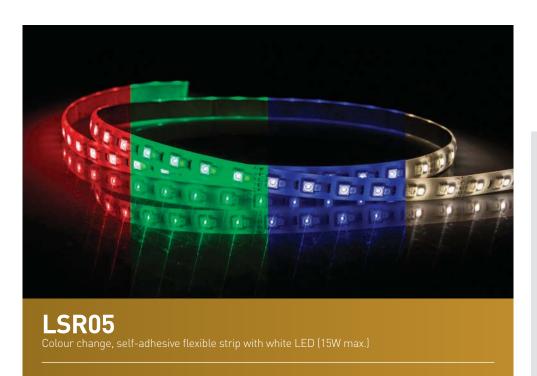
LED DRIVERS (power repeaters)						
Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PR3011	350	-	Yes	-	1	6
				For LED driver bathroom zone & add	itional LED driver	s see page <b>290-295</b>
ACCESSORIES				For complete range of colour	hange controller	s see nane 254-257 l

ACCESSORIES		ee page <b>254-257</b>
Product code	Description	
JB3	Waterproof junction box	296
LED RGB 0.75 CABLE	4-core PVC cable	277
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	238
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	238





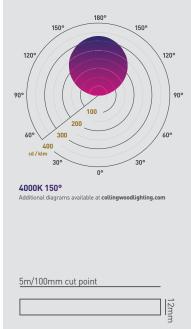
874/2012

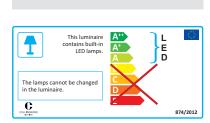




- Cut point every 100mm
- > Hard-wearing clear covering
- > Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- > Full RGBW range
- > Separate white LED for permanent use
- > 3M self-adhesive backing
- Supplied in customised lengths (0.1m up to 4.9m in 100mm increments) 5m reel also available
- > Compatible with a large range of controllers













PHOTOMETRICS (8 25	5°C					
Colour	$\triangle$	W/m	CRI	lm	lm/W	lx @ 1m
<b>4000K</b>	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 <b>collingwoodlighting.com</b>		

GENERAL						
Construction material	Flexible	tape				
WIRING						
Cable / flying lead	0.2m 5-core ribbon cable					
Type of wiring required	Parallel					
LED DRIVERS (power repeaters)				Ba	throom zone appli	cable to fitting on
Product code	V	SELV	Dimming	Bathroom zone	Min	Max
PR3002	24V	-	Yes	-	0.1m	2x 5m
				For LED driver bathroom zone & add	itional LED drivers	s see page 290-29

ACCESSORIES		For complete range of colour change controllers see page 254-257
Product code	Description	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	168-171
CF505RGBW	5-core RGBW ribbon cable	277









# LED RGB 0.75 CABLE

JB3

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	> Suitable for RGB wiring
All RGB products 261-275	

296



# 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	> Suitable for extending cable on

All RGBW products 258-276 JB7 297

RGBW products



Product Code	CF505RGBW
Construction material	Copper cable
Cable	4x 0.3mm², 1x 0.5mm² (black) ribbon cable
Guarantee	1-year

USE IN CONJUNCTION WITH	
C100924	256
PR3011	254
PR3002	255

Suitable for connecting C100924 to multiple PR3002 & PR3011

> Can be wired to additional JB3 for multiple fittings

> Ideal for RGB applications



# DMX RS 485 CABLE 3-core shielded cable

Product Code		DMX RS 485 CABLE
Construction material		Copper cable
Cable		0.15mm²
Guarantee		1-year
USE IN CONJUNCTION WITH DMX2102	257	<ul><li>&gt; Shielded cable</li><li>&gt; Interference-free DMX signals (suitable for DMX2102)</li></ul>



Supplied on 100m reels (also available by the metre)





# 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) (0.205mm²)
Guarantee		1-year
		NB: Removal of plugs will render this product non-returnable
USE IN CONJUNCTION WITH DL329RGBW LL090RGBW WL070RGBW	272 273 264	<ul> <li>Use multiple extensions for longer lead requirements (fig. 1)</li> <li>Complete circuit with blanking plug (fig. 2)</li> <li>Simple extension for series circuit</li> <li>5-core. RGBW and return</li> </ul>
		, o core. Nobvi ana retarn



Product Code	LED 3 RGB EXT
Construction material	Copper cable (PVC)
Rated max voltage	300V

Construction material	Copper cable (PVC)
Rated max voltage	300V
Rated temperature	80°C
Series / parallel	Series (Plug & Play)
Cable	1m (AWG 24) (0.205mm²)
Guarantee	1-year
	NB: Removal of plugs will render this product non-returnable

USE IN CONJUNCTION WITH	
LL030CARGB	274
WL075CARGB	265

> 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









#### **COMPLEMENTING PRODUCTS**

### IP RATED CONNECTORS

We offer wiring and drivers suitable for all Collingwood Lighting products so you can expect the same high quality and durability throughout your install.

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 and 700mA.



PSDIN350M

350mA Din rail mountable driver

#### PSDIN700M

700mA 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 using 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 248 - 279)

#### **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

5020 5039 501324 350M	PLD UNI DRIVE 350M4 PSDIN350M PLOCC 380 TO 28 PLR 350 T-5 PLU 350 T-5 PLU 350 T-5	PLU/PP/3501-9 PLDM/7003 PSMD7003 PSMD70024 PSMD70024
P.LDM35020 F5M035039 F5M13501324 F5DM1350M	PLD UNI-DRIVI PSDIN350M PLOC 350VII PLR-350 PLOC 350VII PLR-350 PLOC 350 PL	PLU/PP3501, PLU/PP83501, PLU/PP83501003 PSMD7003 PSMD70034

DRIVER INFORMATION																
Constant Current or Constant Voltage	CC	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	IP20
Output classification	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700m/
Dimmable	Mains	Mains	Mains	DALI or 1-10V	1-10V	1-10V	1-10V						Mains	Mains	Mains	Mains
Din rail mount							Yes									
Plug & Play											Yes	Yes				Yes

COLLINGWOOD <b>DOWNLIGHTS</b>													
<b>DL120</b> Page 97	3-9		1-18										
<b>DL130</b> Page 97	3-9	7 13-24									•	 	
Fibre LED Light Page 98	3-9	13-24	1-18	1-18	1-10	1-10	1-6 *	1-5	1-9	•••••		 	

MODULES THAT REQUIRE HOUSING										
<b>RL111</b> Page 100	1	2-2	1-2	1-2	1					
<b>DM01</b> Page 102										1

ROUND LIGHTS														
<b>BL063</b> Page 110	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3					
<b>GL064</b> Page 110	1-2	4-6	1-4	1-4	1-2	1-2	1	1	1-2	•	•	•		
<b>GL090</b> Page 112				•	•	•	•	•	•	•	•	1	2-3	1-1
<b>GL040</b> Page 113	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3				2-3	1
GL040 Baffled Page 114	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3	•				•
<b>GL041</b> Page 115	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3					***
<b>GL050</b> Page 116	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3	•		•		
<b>GL051</b> Page 116	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3					
<b>GL016</b> Page 117	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				6-10	2-4
<b>GL016 SQ</b> Page 117	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	•			6-10	2-4
<b>GL016 F AB</b> Page 118	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				6-10	2-4
GL016 Frosted Page 119	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9					
<b>6L019</b> Page 120	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				6-10	2-4
GL019 Baffled Page 121	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9					
<b>GL019LG</b> Page 122	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9					
GL019 Frosted Page 123	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9			•		
<b>GL019 SQ</b> Page 124	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9			•	6-10	2-4
<b>GL019 S T</b> Page 125	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				6-10	2-4
<b>GL019 S TK</b> Page 126	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				6-10	2-4
<b>GL018 C</b> Page 127														
<b>GL018 C AB</b> Page 128					•									
GL018 SQ Page 129					•									
<b>BL018 T</b> Page 130					•									

														То	place	an orde	er use t	the driv	/er par	tcodes	below.
			PSDINZO		PLUMO	Ž.															
	Wo	6	ORIVE	M.	6 for 67 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9,		Wo	7.9	3.72	PL/19/70	6,50					3005	N.	~	77	\r .\
PSDALZO	PSDIMP		PSDINZE	3 3	PLU/2005	OIMS	04/90					75.22	P53024	P.55022	7002	MOID.	0,000	2010	04(2)	10 × 01	PSIP25022
	PS	77	PS	<b>4</b>	77	PS	P <sub>S</sub>	'n	'n	7	'n	P <sub>S</sub>	S,	S.	P <sub>S</sub>	PS	PS	PS	PS	PS	
CC	СС	00	00	00	00	00	00	00	00	00	СС	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
IP20	IP20	CC IP20	CC IP20	CC IP20	CC IP20	CC IP20	CC IP20	CC IP65	CC IP65	CC IP65	IP65	IP20	IP20	IP20	IP20	CV IP66	IP66	IP66	CV IP66	IP67	IP67
700mA		•			700mA	•	900mA	•		•	700mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
DALI or 1-10V		1-10V	1-10V	· <del>-</del>		1-10V	DALI					1-10V†	1-10V†	1-10V†	1-10V†	Mains	1-10V	1-10V	DALI	1-10V†	1-10V†
1 101			Yes																	<u> </u>	
																				•	
	•		•		•	•	•	•	•	•	•	•	•	† Requi	res a PD	CINT1-1	<b>0V</b> inter	face to n	nake it 1	- 10V dir	nmable
								1-9	3-12												
								1-9	3-12												
								1-9	3-12												
1-5	1-5	1-2	1-2	•		•				•		•		• · · · · · · · · · · · · · · · · · · ·				•		•	
		•			•				•		•			•							
	•	•	•	•		•	•	1-3	1-4	•		•	•	•	•	•	•	•	•	•	
	***************************************	•		•		•		1-2	1-3	•		•		•		•	•	•	*	*	
1-6	1-6	1-3	1-3	1-2*	1-3					1	1-3			• • • • • • • • • • • • • • • • • • • •							
1-6	1-6		1-3		1-3			1-3	1-4	1	1-3										
		•		•	•	•	•	1-3	1-4	•	•	•	•	•				•		•	
		•						1-3	1-4					•						*	
		•		•				1-3	1-4	•				<u>.</u>	•	<del>.</del>	•				
1_18	1-18	•	1-10	•	3-9			1-9	3-12	1-3	3-9				•	•		•			
	1-18		1-10		3-9			1-9	3-12		3-9										
	1-18	•	1-10	•	3-9	•	•	1-9	3-12	1-3	3-9	•	•	•				•	•	•	
		•						1-9	3-12										<b>.</b>	•	
1-18	1-18		1-10		3-9			1-9	3-12	1-3	3-9			• • • • • • • • • • • • • • • • • • • •							
								1-9	3-12												•••••••••••
			•••••	•	•			1-9	3-12	•	•			• • • • • • • • • • • • • • • • • • • •						• • • • • • • • • • • • • • • • • • • •	
	•							1-9	3-12												
1-18	1-18		1-10		3-9			1-9	3-12	1-3	3-9										
1-18	1-18		1-10		3-9			1-9	3-12	1-3	3-9										
1-18	1-18		1-10		3-9			1-9	3-12	1-3	3-9										
												1-30	1-60	1-100	1-200	1-200	1-120	1-200	1-400	1-300	1-500
												1-30	1-60	1-100	1-200	1-200	1-120	1-200	1-400	1-300	1-500
												1-30	1-60	1-100	1-200	1-200	1-120	1-200	1-400	1-300	1-500
												1-30	1-60	1-100	1-200	1-200	1-120	1-200	1-400	1-300	1-500

# **PRODUCTS PER DRIVER MATRIX** 2/4

The table below shows the minimum and maximum of each product that fits onto each driver

		PSDIN350M PSDIN350M PLDCC,330M	5 5 12Vinout	7.9	6 / 6	s
PLDM35020 PSMD35039 PSMD3501324	PSDAL350M PSDIM350 PLO	PSDIN350M	PLR/3501-5 PLW/3501-5	PLU/PP/3501-9 PLU/PP6/350.	PLOM/7003 PSMD700610	PSMD70024

DRIVER INFORMATION																
Constant Current or Constant Voltage	CC	CC	CC	CC	CC	CC	CC	CC	CC	СС	CC	CC	CC	CC	CC	CC
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Output classification	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700m
Dimmable	Mains	Mains	Mains	DALI or 1-10V	1-10V	1-10V	1-10V						Mains	Mains	Mains	Mains
Din rail mount							Yes									
Plug & Play			•		•		•		•		Yes	Yes	•		-	Yes

WALL LIGHTS													
<b>GL021</b> Page 137	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				
<b>GL022</b> Page 137	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				
OCTOLED Page 142	1-2	4-6	1-4	1-4	1-2	1-2		1	1-2	•			
<b>WL220A</b> Page 145	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3	•			
WL020A BLK Page 145	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3				
<b>WL320A</b> Page 145	1-3	5-8	1-6	1-6	1-3	1-3	2*	1	1-3				
<b>WL050</b> Page 148	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9		•
MC020 S Page 150	2-4	13-24	1-9	1-9	1-5	1-5	1-3*	1-2	1-4	•			•
MC010 S Page 151	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	•			
MF02 IP Page 153	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	•			
MS02 IP Page 154	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	•			
<b>ML01</b> Page 156	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9				
ML02 Page 157	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	•			
ML03 Page 158	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	-			

STRIP LIGHTS (continued on next page)				
LSV02 Page 174				
<b>LSV05</b> Page 175				
<b>LSV04</b> Page 176				
<b>LSV06</b> Page 177				
LSV42 Page 178				
<b>LSV45</b> Page 179				
LSV44 Page 180				
<b>LSV46</b> Page 181				
<b>LSV82</b> Page 182				
LSV85 Page 183				
<b>LSV84</b> Page 184				
<b>LSV86</b> Page 185				
LSC03 Page 186				
LSC43 Page 187				
LSC45 Page 188				

PSDALZDO	PSDIM700	PLD UM.C.	PSDIN700.	PLOCCYON,	PLUMON STANDARD	PSDIMSO	PSDALSS	PL/IP/35.	PL/IP/3E	PLIPING	PL/IP/NO	PS1522	, S302k	P.55024	PS1002,	PSMDIP	PSOIPEN.	PSOIPTO	PSDALS	PSIP1502	PS/P25024
СС	CC	CC	CC	СС	СС	СС	СС	CC	СС	СС	СС	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP65	IP65	IP20	IP20	IP20	IP20	IP66	IP66	IP66	IP66	IP67	IP67
700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	350mA	350mA	700mA	700mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
DALI or 1-10V	1-10V	1-10V	1-10V Yes			1-10V	DALI					1-10V†	1-10V†	1-10V†	1-10V†	Mains	1-10V	1-10V	DALI	1-10V <sup>+</sup>	1-10V <sup>†</sup>
•			162			•		•		•				•		•		•		•	

† Requires a	PDCINT1-10V	interface to	make it 1	- 10V	dimmable
--------------	-------------	--------------	-----------	-------	----------

1-9	3-12
1-9	3-12
1-2	1-3
1-3	1-4
1-3	1-4
1-3	1-4
1-9	3-12
1-4	1-4
1-9	3-12
1-9	3-12
1-9	3-12
1-9	3-12
1-9	3-12
1-9	3-12

≤3m	≤ 6m	≤ 10m	≤20m	≤ 20m	≤ 12m	≤20m	≤ 40m	≤30m	≤ 50n
≤ 1.5m	≤3m	≤5m	≤10m	≤ 10m	< 6m	≤ 10m	≤ 20m	≤ 15m	≤ 25n
≤1m	≤ 2m	≼3m	≤ 7m	≤7m	≤ 4m	≤7m	≤ 13m	≤10m	≤ 16m
	≤ 1.5m	≤ 2.5m	≤ 5m	≤5m	≤3m	≤ 5m	≤ 10m	≤ 7.5m	≤ 12.5
≼3m	≤ 6m	≤ 10m	≤20m	≤20m	≤ 12m	≤20m	≤ 40m	≤30m	≤ 50m
≤ 1.5m	≤3m	≤5m	≤10m	≤10m	≤ 6m	≤10m	≤ 20m	≤ 15m	≤ 25n
≤1m	≤ 2m	≼3m	≤7m	≤7m	≤4m	≤7m	≤ 13m	≤10m	≤ 16m
	≤ 1.5m	≤ 2.5m	≤ 5m	≤5m	≤3m	≤5m	≤ 10m	≤ 7.5m	≤ 12.51
≤3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 12m	≤20m	≤ 40m	≤30m	≤ 50n
≤ 1.5m	≤3m	≤5m	≤ 10m	≤ 10m	≤ 6m	≤10m	≤ 20m	≤ 15m	≤ 25m
≤1m	≤ 2m	≼3m	≤7m	≤7m	≤4m	≤7m	≤ 13m	≤10m	≤ 16n
	≤ 1.5m	≤ 2.5m	≤5m	≤5m	≤3m	≤5m	≤10m	≤ 7.5m	≤ 12.5
≼3m	≤ 6m	≤ 10m	≤20m	≤20m	≤ 12m	≤20m	≤ 40m	≤30m	≤ 50n
≼3m	≤ 6m	≤ 10m	≤20m	≤20m	≤ 12m	≤20m	≤ 40m	≤30m	≤ 50m
≤1m	≤ 1.8m	≼3m	≤ 6m	≤ 6m	≤4m	≤ 6m	≤ 12m	≤ 10m	≤ 16n

### **PRODUCTS PER DRIVER MATRIX** 3/4

The table below shows the minimum and maximum of each product that fits onto each driver

							SOMA		<b>80</b>	Ž.						
	,	020	& 33 23	PSDAL3E	Woo	00 4	"ORIVE 3	350/10	Pakinum for	5-7-0	67	13507-9	°/350 1-9	PSMDZA	0190	,* %
	PLOM3	PSMD3	PSMD3	PSDAL	PSDIM	PLOUN	PSDINS	PLOCO	P. P. P. S.	PLU/35	PLU/P	PLU/P	PLOM	PSMD2	PSMDZ	PIN
DRIVER INFORMATION																
Constant Current or Constant Voltage	СС	CC	CC	СС	CC	СС	CC	СС	CC	CC	CC	CC	СС	СС	CC	СС
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Output classification	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700n
Dimmable	Mains	Mains	Mains	DALI or 1-10V	1-10V	1-10V	1-10V						Mains	Mains	Mains	Mair
Din rail mount							Yes									
Plug & Play							•	•	•		Yes	Yes		•		Yes
STRIP LIGHTS (continued from previous page	:)															
LSC83 Page 189																
LEDSTRIP IP Page 190	••••••	•	•••••		•		•		•				•		•	
RETAIL RANGE																
RDSL Page 202																
RDSM Page 204																
RDSS Page 206	•	•		1-2	1-2	1				,			•	•	•	•
SQSL Page 203	•	•	•			•			•			•		•	•	
SQSM Page 205		•				•						•	•		•	
SQSS Page 207		•		1-2	1-2	1						•				
	-	-			•		•		•	•	•	•		•	***************************************	*
UNIVERSAL LIGHTS																
<b>LEDLINE 400 110</b> Page 216														1-1		
<b>LEDLINE 400 25X6</b> Page 217	- <del>-</del>													1-1		
<b>LEDLINE 400 45</b> Page 218			•						•		<u>.</u>		•	1-1	•	
<b>UL030</b> Page 225	-				• • • • • • • • • • • • • • • • • • • •		•		• • • • • • • • • • • • • • • • • • • •				1	2-3	1-1	
<b>UL010</b> Page 226									•					6-10	2-4	
LED LYTE SURFACE Page 227		3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
LED LYTE IP Page 228		3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
LED LYTE IP T Page 229		3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
LED LYTE Page 230	-	3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
SPIKE LIGHTS																
<b>SL040A</b> Page 236	-												1	2-3		
<b>SL220A</b> Page 235		1-3	5-8	1-6	1-6	1-3	1-3		1	1-3	1-3	1-3				
SL020A BLK Page 235		1-3	5-8	1-6	1-6	1-3	1-3		1	1-3	1-3	1-3				
<b>SL320A</b> Page 235		1-3	5-8	1-6	1-6	1-3	1-3		1	1-3	1-3	1-3				
<b>SL030</b> Page 237		3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
<b>SL130</b> Page 237		3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
												***************************************		•		
BOLLED 1 Page 243		3-9	13-24	1-18	1-18	1-10	1-10	1-6*	1-5	1-9	1-9	1-9				
DOL LED 1 rage 243		3-7	13-24	1-18	1-18	1-10	1-10	1-0.	1-3	1-7	1-7	1-7				<u></u>

			Z		ė	*D								10	place	an orde	er use	ine ariv	er par	tcodes	below.
			PSDINZO	PLOCC/700	7.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	`			٩	1/2	ço	٩					<b>~</b>				
PSDALZE	PSDIMZO	00 1	PSDINZE	₹ 00 00 00 00 00 00 00 00 00 00 00 00 00	PLU/MG	13.9 149.6	PSDALSOS	Mos de	7001	500		, wy.	P.S3022	P.S5022	. %	1 00	, 90, 94, 90, 94, 90, 90, 90, 90, 90, 90, 90, 90, 90, 90	19 of	4024	20024 PSIP1502	PSIP2502,
PS <sub>D</sub>	P <sub>S</sub>	PLD	Psp	A STATE	PLU	P <sub>SO</sub>	P <sub>SD</sub>	Ž	Ž,	77	'n	PSI	P <sub>S,3</sub>	PSS	PSI	A.	P <sub>S</sub>	PSO	PSO	PS/	P <sub>S</sub> /
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV
IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP65	IP65	IP20	IP20	IP20	IP20	IP66	IP66	IP66	IP66	IP67	IP67
700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	350mA	350mA	700mA	700mA	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
DALI or 1-10V	1-10V	1-10V	1-10V	•		1-10V	DALI					1-10V†	1-10V†	1-10V†	1-10V†	Mains	1-10V	1-10V	DALI	1-10V†	1-10V†
			Yes	•		•				-		-	•					-		•	
														t Poqui	roc o PD	CINT1 1	OV inter	face to n	aaka it 1	- 10V dii	mmahla
														· Requi	res a PD	CINT I-I	ov inter	iace to n	паке п	- 107 011	ппарце
												≤3m	≤ 6m	≤ 10m	≤ 20m	≤ 20m	≤ 12m	≤ 20m	≤ 40m	≤30m	≤ 50m
												≤ 5m	≤10m	≤ 17m	≤34m	≤36m	≤ 20m	≤36m	≤ 68m	≤50m	≤ 85m
						1	1														
1	1	1																			
		•												•						•	
						1	1							•				•		•	
1	1	1	•	•		•				•••••		•		•		• • • • • • • • • • • • • • • • • • • •		•		•	
1-2	1-2	1	1	•	1			•		•••••	1	•				•		•			
	1-2	1			1						1										
1-6	•	1-3	1-3	1-2*	1-3	•				1	1-3	•	•	•····		•		•	•	•····	
1-18	1-18	1-10	1-10	1-6*	3-9	•				1-3	3-9	•	•	•				•	•	•	
								1-9	3-12												
								1-9	3-12												
		•••••						1-9	3-12												
								1-9	3-12												
1-6	1-6	1-3	1-3	1-2*	1-3	-			<u>.</u>	1	1-3	-		-						-	
								1-3	1-4												
		•						1-3	1-4					•						•	
								1-3	1-4 3-12												
		• • • • • • • • • • • • • • • • • • • •						1-9	3-12			•		•				•			
							L		0 12										L		
								1-9	3-12												

## 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.

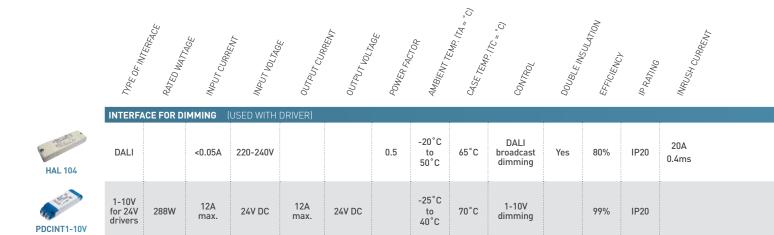
Once you know how many products will be installed in your zone use the relevant tables to work out how many power repeaters you will need and which driver to power them.

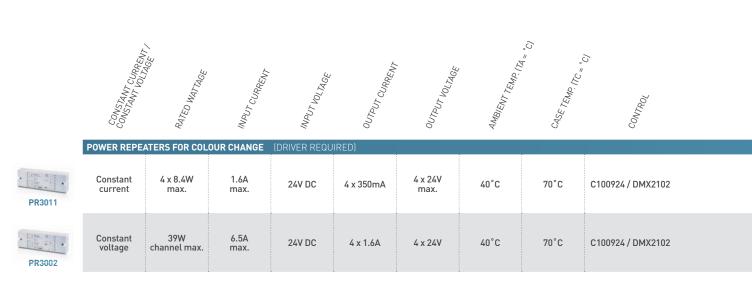


LSR05 - Bespoke lengths available			Page <b>276</b>
Length of strip per power repeater	Wattage driver required	Product (driver)	
Up to 2m per <b>PR3002</b>	50W	PS5024	
Up to 5m per <b>PR3002</b>	100W	PS10024	
Up to 10m per <b>PR3002</b>	150W	PSIP15024	

## **DIMMING INTERFACE & POWER REPEATER COMPARISON** 1/

For full interface and power repeater specifications visit our website collingwoodlighting.com



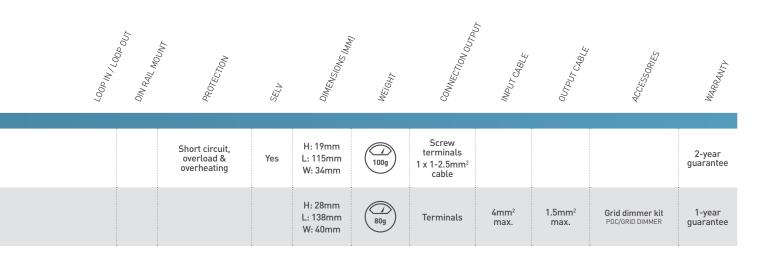


The products will be powered by power repeaters that require a 24V driver. The table below shows which driver is needed for the number of power repeaters being used.

PRODUCTS PE	ER PR3011	
Product code		Max. per PR3011
DL329RGBW	Page 272	6
GL007RGBW	Page 258	2
GL008RGBW	Page 259	1
GL016RGBW	Page 263	6
GL040CARGB	Page 261	6
GL050RGBW	Page 262	6
GL090RGBW	Page 260	2
LL030CARGB	Page 274	6
LL090RGBW	Page 273	2
SL220CARGB	Page 275	6

PRODUCTS PE	R PR3011	
Product code		Max. per PR3011
SL021CARGB	Page 275	6
	3	-
	Page 271	6
UL030RGBW	Page 270	2
UL345CARGB	Page 267	1
UL346CARGB	Page 268	1
UL347CARGB	Page 269	1
WL070RGBW	Page 264	1
WL075CARGB	Page 265	2
WL220CARGB	Page 266	6
WL021CARGB	Page 266	6

PR3011s PER	DRIVER	
Number of PR3011s	Wattage driver required	Product (driver)
1	50W	PS5024
2 - 3	100W	PS10024
4 - 5	150W	PSIP15024



in Retin	"" doy/M doo7	DW RAU MOUNT	PROTECTION	DIMENSIONS	WEIGHT	COMMECTIONS	4CCESSORIES	MARBANT
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm	165g	Screw terminals < 2.5mm² cable		5-year guarantee
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm	165g	Screw terminals < 2.5mm² cable		5-year guarantee

# **DRIVER COMPARISON** 1/3

For full driver specifications visit our website  ${\bf collingwoodlighting.com}$ 

	PATED WATTER	John Warno	OUTPUTCURE	MPUT WATTA	301/100/1/1901	MAUT CURPER	INRUSH CITE	POWERFILE	AMBIENT TT.	CONTROL	DOUBLEMS	EFFICIENCY	10 PATING	P.LUG & P.LAY
PLDM35020	N/A (see page 282-289)	30 - 52.5V	350mA	22W	220-240V AC	0.18A	45A 0.2ms	>0.95	-25°C to 50°C	Mains	Yes	>80%	IP20	
PSMD35039	10W	28V max.	350mA	13W	220-240V AC	0.06A	33A 0.15ms	>0.9	40°C	Mains dimmable	Yes	75% min.	IP20	
PSMD3501324	24W	80V max.	350mA	30W	220-240V AC	0.12A	20A 0.13ms	0.95	45°C	Mains dimmable	Yes	80% min.	IP20	
PSDAL350M	N/A (see page 282-289)	<b>7</b> 0V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to 50°C	1-10V & DALI dimmable	Yes	90%	IP20	
PSDIM350	N/A (see page 282-289)	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	
PLD UNI-DRIVE 350MA	N/A (see page 282-289)	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	
PSDIN350	N/A (see page 282-289)	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	
PLDCC/350/10-28	N/A (see page 282-289)	28V max.	350mA		10-28V DC				40°C	Non- dimmable		60%	IP20	
PLR/350 1-5	N/A (see page 282-289)	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 282-289)	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 282-289)	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 282-289)	0-36V max.	350mA	25W	220-240V AC	0.14A	25.5A 0.6ms	0.55	40°C	Non- dimmable	Yes	80%	IP40	Yes
PLDM/700 3	N/A (see page 282-289)	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	
PSMD700610	24W	48V max.	700mA	30W	220-240V AC	0.12A	28A 0.16ms	0.95	45°C	Mains dimmable	Yes	80% min.	IP20	

0/Wd007	DIN RAIL MOLLS	PROTECTION	SELV	OIMENSIONS IMM	WEIGHT	CONNECTION OLITE	NPUT CABLE (M)	OUTPUTCABLE	<sup>40</sup> CESSORIES	MARRANTY
		Short circuit, overload & overheating	Yes	H: 30mm L: 141mm W: 43mm	100g	Terminals	Rising clamp 5mm pitch	Rising clamp 5mm pitch		1-year guarantee
		Short circuit, overload & over current	Yes	H: 19.2mm L: 123mm W: 44.6mm	83g	Terminals	0.5-1.5mm²	0.5-1.5mm²		3-year guarantee
		Short circuit, overload & over current	Yes	H: 22mm L: 155mm W: 35mm	124g	Terminals	0.5-1.5mm²	0.5-1.5mm²		3-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.	4m sync cable SYNC CABLE 4M	5-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER  4m sync cable SYNC CABLE 4M	5-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.	Grid dimmer kit PDC/GRID DIMMER  4m sync cable SYNC CABLE 4M	5-year guarantee
	Yes	Short circuit, overload & overheating	Yes	H: 36mm L: 70mm W: 90mm	185g	Terminals	0.5-4mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER  4m sync cable SYNC CABLE 4M	5-year guarantee
				H: 12mm L: 40mm W: 18mm	20g	Flying leads	0.2	0.2		1-year guarantee
		Short circuit, overload & overheating	Yes	H: 19mm Ø: 53mm	40g	Flying leads	0.2	0.2		1-year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm	80g	Terminals	1.5mm² max.	1.5mm² max.	PLU weatherproof housing IX 265	1-year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm	100g	Terminals	1.5mm² max.	1.5mm² max.	1m Plug & Play extension lead LED LYTE 1M EXT 6-way Plug & Play extension lead LED LYTE 6 WAY EXT	1-year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.	1m Plug & Play extension lead LED LYTE 1M EXT 6-way Plug & Play extension lead LED LYTE 6 WAY EXT	1-year guarantee
		Open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm	70g	Flying leads	0.15m, 0.75mm² 2-core cable	0.3		9
		Short circuit, overload & over current	Yes	H: 22mm L: 155mm W: 35mm	124g	Terminals	0.5-1.5mm²	0.5-1.5mm²		3-year guarantee

# **DRIVER COMPARISON** 2/3

For full driver specifications visit our website  ${\bf collingwoodlighting.com}$ 

	PATED WATTAGE	output volta.	39K. OUTPUT CURES	MAUT WATTE	30, 100, 100, 100, 100, 100, 100, 100, 1	MPUT CURRENT	WRUSH CIP.	POWERFACE	AMBIENT TE.	CONTROL	DOUBLEINE	TO SULATION EFFICIENCY	IP RATING	PUGGPAY
PSMD70024	10W	14V max.	700mA	13W	220-240V AC	0.06A	31A 0.12ms	0.9	40°C	Mains dimmable	Yes	75% min.	IP20	
PLDM70011	N/A (see page 282-289)	12V	700mA	12W	220-240V AC	0.05A	15A 0.5ms	>0.95	-25°C to 40°C	Mains dimmable	Yes	>80%	IP20	Yes
PSDAL700M	N/A (see page 282-289)	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	
PSDIM700	N/A (see page 282-289)	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	
PED DIVIPURIVE	N/A (see page 282-289)	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	
700MA PSDIN700M	N/A (see page 282-289)	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	
	N/A (see page 282-289)	23.5V max.	700mA		10-28V DC				40°C	Non- dimmable		70%	IP20	
4.27	N/A (see page 282-289)	0-36V max.	700mA	32W	220-240V AC	0.10A	14.9A 0.6ms	0.85	40°C	Non- dimmable	Yes	80%	IP40	
	N/A (see page 282-289)	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	
PSDAL900M	N/A (see page 282-289)	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	
PL/IP/350 1-9	N/A (see page 282-289)	36V max.	350mA	25W	220-240V AC	0.10A max.	12.8A 0.8ms	0.6	40°C	Non- dimmable	Yes	70%	IP65	
	N/A (see page 282-289)	48V max.	350mA	22W	220-240V AC	0.15A	14.9A 0.6ms	0.6	40°C	Non- dimmable	Yes	70%	IP65	
	N/A (see page 282-289)	21V max.	700mA	21W	220-240V AC	0.06A	12.8A 0.8ms	0.85	40°C	Non- dimmable	Yes	80%	IP65	
	N/A (see page 282-289)	36V max.	700mA	32W	220-240V AC	0.12A	14.9A 0.6ms	0.85	40°C	Non- dimmable	Yes	80%	IP65	

-0/Me007	ON RAIL MOLL	PROTECTION	SELV	OMENSIONS IMM.	WEIGHT	COMMECTION OUT	MPUT CABLE IM	OUTPUT CABLE	40cESSORIES	WARRANT
		Short circuit, overload & over current	Yes	H: 19.2mm L: 78mm W: 50mm	(83g)	Terminals	0.5-1.5mm²	0.5-1.5mm²		3-year guarantee
		Open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm	70g	Plug & Play	0.15m, 0.75mm² 2-core cable	AWG24 with Plug & Play connector		Ģ
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	(100g)	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
	Yes	Short circuit, overload & overheating	Yes	H: 36mm L: 70mm W: 90mm	185g	Terminals	0.5-4mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
				H: 18mm L: 50mm W: 32mm	30g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		1-year guarantee
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 138mm W: 40mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		1-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER 4m sync cable SYNC CABLE 4M	5-year guarantee
		Short circuit, overload & overheating	Yes	H: 20mm Ø: 54mm	80g	Flying leads	0.3	0.3		1-year guarantee
		Short circuit, overload & overheating	Yes	H: 30mm Ø: 80mm	200g	Flying leads	0.3	0.3		1-year guarantee
		Short circuit, overload & overheating	Yes	H: 20mm Ø: 54mm	70g	Flying leads	0.2	0.2		1-year guarantee
		Short circuit, overload & overheating	Yes	H: 30mm Ø: 80mm	200g	Flying leads	0.1	0.1		1-year guarantee

# **DRIVER COMPARISON** 3/3

For full driver specifications visit our website  ${\bf collingwoodlighting.com}$ 

	477 <sub>des</sub>	2/2	75 H	TA EW	74GF	PREMS		TREWT	AMBIENT TE.	EMP. 174 = °C)	Š	EFFICIENCY		4
	PATED WATAGE	OUTPUTN	OUTPUTC	INPUT W.	MPUT VOLTAGE	INPUT CL	INRUSHC	POWERE	AMBIENT	CONTROL	DOUBLE,	DC. EFFICIENCY	IP RATING	PLUG&PLAY
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	
P53024	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	
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	
PSMDIP10024	100W	24V DC	4.17A	120W	180-264V AC	0.8A max.	30A 0.2ms	0.6	40°C	Mains dimmable		85% with max load	IP66	
PSDIP6024	60W	24V DC	2.5A max.	71W	220-240V AC	0.35A	10A 0.4ms	>0.9	-25°C to 45°C	0-10V dimmable		>85%	IP66	
PSDIP10024	100W	24V DC	4.15A max.	120W	220-240V AC	0.546A	45A 0.7ms	>0.98	-40°C to 60°C	0-10V dimmable		>80%	IP66	
PSDAL20024	200W	24V DC	8.33A max.	240W	220-240V AC	1A	50A 0.8ms	>0.98	-25°C to 60°C	DALI dimmable		>85%	IP66	
PSIP15024	150W	24V DC	6.3A max.	178W	220-240V AC	0.80A	45A 1ms	>0.95	-40°C to 60°C	Dimmable with PDCINT 1-10V		>85%	IP67	
PSIP25024	250W	24V DC	10.4A max.	285W	220-240V AC	1.6A max.	30A 0.2ms	0.96	50°C	Dimmable with PDCINT 1-10V		84%	IP67	

\$100007/M0007	DIN RAIL MOUNT	SELV	OMENSIONS (MM)	WEJGHT	CONNECTION OF	MPUT CABLE IM	OUTPUTCABLE	40CESSONIES	WARGANT
	Short circuit, overload & overheating	Yes	H: 16mm L: 103mm W: 35.5mm	60g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	Grid dimmer kit PDC/GRID DIMMER  Dimming interface PDC/NT1-10V  RGBW/RGB controller C100924	3-year guarantee
	Short circuit, overload & overheating	Yes	H: 18mm L: 160mm W: 58mm	(160g)	Terminals	0.75mm² max.	0.75mm² max.	Grid dimmer kit PDC/GRID DIMMER  Dimming interface PDCINT1-10V	3-year guarantee
	Short circuit, overload & overheating	Yes	H: 18mm L: 160mm W: 58mm	270g	Terminals	0.75mm² max.	0.75mm² max.	Grid dimmer kit PDC/GRID DIMMER  Dimming interface PDCINTI-10V  RGBW/RGB controller C100924	3-year guarantee
	Short circuit, overload & overheating	Yes	H: 31mm L: 180mm W: 65.5mm	250g	Terminals	0.75mm² max.	0.75mm² max.	Grid dimmer kit PDC/GRID DIMMER  Dimming interface PDCINT1-10V	3-year guarantee
	Short circuit, overload & over current	Yes	H: 43mm L: 230mm W: 70mm	1.3kg	Flying leads	0.25m, 1mm <sup>2</sup> 3-core cable Ø: 7.5mm	0.25m, 1mm² 2-core cable Ø: 7mm		3-year guarantee
	Short circuit, overload & overheating	Yes	H: 46mm L: 200mm W: 70mm	1.1kg	Flying leads	Mains: 0.25m, 1mm² 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm² 2-core cable Ø: 6.5mm	0.25m, 1mm² core cable Ø: 7mm	<b>Grid dimmer kit</b> PDC/GRID DIMMER	3-year guarantee
	Short circuit, overload & overheating	Yes	H: 44mm L: 230mm W: 68mm	1.2kg	Flying leads	Mains: 0.25m, 1mm² 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm² 2-core cable Ø: 6.5mm	0.25m, 1.5mm² 2-core cable Ø: 7mm	<b>Grid dimmer kit</b> PDC/GRID DIMMER	3-year guarantee
	Short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	1.8kg	Flying leads	Mains: 0.25m, 1mm² 3-core cable Ø: 7.5mm DALI: 0.25m, 0.75mm² 2-core cable Ø: 7mm	0.25m, 1.5mm² 2-core cable Ø: 9mm		3-year guarantee
	Short circuit, overload & overheating	Yes	H: 37mm L: 190mm W: 62mm	1kg	Flying leads		0.25m, 1mm² 2-core cable Ø: 8mm	Grid dimmer kit PDC/GRID DIMMER Dimming interface PDCINT1-10V	3-year guarantee
	Short circuit, overload & over current	Yes	H: 36mm L: 220mm W: 62mm	875g	Flying leads	0.25m, 1mm² 3-core cable Ø: 7.5mm	0.25m, 2mm² 2-core cable Ø: 9mm	Grid dimmer kit PDC/GRID DIMMER  Dimming interface PDCINT1-10V	3-year guarantee

## **ACCESSORIES** 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	1mm²
Cable diameter	5 - 6.5mm²
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	4mm²
Cable diameter	3 - 12mm²
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



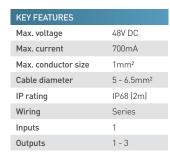
PLU350/1-9



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	250V AC or 50V DC
Max. current	10A
Max. conductor size	4mm²
Cable diameter	5 - 9mm²
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

USE IN CONJUNCT	ION 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	PSDIP6024
PSDIP10024	PSIP15024

# 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

USE IN CONJUNCTION WITH (CV)	
PS1524	PS3024
PS5024	PS10024
PSDAL20024	PSDIN10024
PSDIP6024	PSDIP10024
PSIP15024	PSIP24024

KEY FEATURES (Constant current)			
Dimming	1 - 10V		
Minimum load	1 driver		
Maximum load	10 drivers		

USE IN CONJUNCTION WITH [CC]			
PSDAL350M	PSDAL700M		
PSDIN350M	PSDIN700M		
PSDIM350	PSDIM700		
PSDIM900	PSDAL900M		
PLD UNI-DRIVE 350MA			
PLD UNI-DRIVE 700MA			

# JB4 (Series) Gel filled waterproof junction box



KEY FEATURES	
Max. voltage	120V DC
Max. current	700mA
Max. conductor size	1.5mm²
Cable diameter	6.5 - 12mm²
IP rating	IP68 (1.3m)
Wiring	Series
Inputs	1
Outputs	1 - 3

USE IN CONJUNCTION WITH			
BOL LED 1	GL016	GL019	
GL021	GL022	GL040	
GL041	GL050	GL051	
GL063	GL064	GL090	
UL010	UL030	SL030	
SL130	SL040A	SL220A	
SL320A	SL020A BLK		

## JB6

KEY FEATURES	
Max. voltage	250V AC
Max. current	6A
Max. conductor size	0.75mm <sup>2</sup>
Cable diameter	4.8 - 6mm²
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

WCR 275 BLACK Ideal for extending cable when it's not long enough

## DMX RS 485 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



KEY FEATURES			
Cable	Red or black 0.2052 PTFE		
Material	30A		

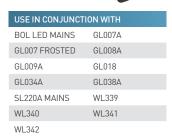
100m reel

Length

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

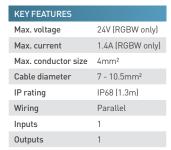




## JB7

Outputs

1 - 3



USE IN CONJUNCTION WITH			
GL007RGBW	GL016RGBW		
GL040CARGB	GL050RGBW		
GL090RGBW	UL010RGBW		
UL030RGBW	UL345CARGB		
UL346CARGB	UL347CARGB		
SL021CARGB	SL220CARGB		
WL021CARGB	WL220CARGB		

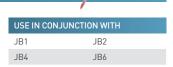
## **WCR 375 BLACK**

KEY FEATURES		
Cable	H05RN-F 3 x 0.75mm <sup>2</sup>	
Material	Copper cable, rubber out	
Length	100m reel	
Indoor / outdoor	Suitable for permanent outdoor use	



# 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	



# 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.

#### CCT

Correlated Colour Temperature.

#### Colour Switchable

Colour temperature can be switched between 3000K to 4000K or 6000K / 6500K.

#### CRI

Colour Rendering Index.

#### **DALI**

Digital Addressable Lighting Interface. A method of digital dimming, allowing precise control of individual light fittings by an external control system.

### DC (Direct Current)

An electrical current flowing in one direction only. 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.

#### Floodlight

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.

#### **Insulation Coverable**

Insulation can be laid directly on top of the product this can refer to rolled or blown wool insulation.

#### **IP Rating**

Ingress Protection Rating.

#### Kelvin (K)

Kelvin is the scientific unit for measuring CCT (Correlated Colour Temperature).

#### L70, B10 / L70, B50

Lifetime indication of LEDs.

#### 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.

#### PIR

Passive Infared 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.

#### JGR

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.

#### 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

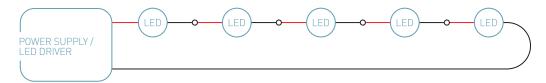
Product for which no other wiring is required other than connection to the mains supply.

## **SERIES / PARALLEL WIRING**

LED lighting products can be wired in either Series or Parallel and both have their advantages.

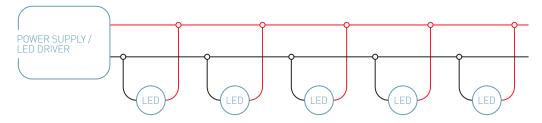
#### Series

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 Collingwood downlights are fire rated and designed around our patented fire-resistant technology.

#### Part C - Moisture Protection

When a hole is cut in an insulation barrier (e.g. a ceiling tile or plaster ceiling), air and moisture can travel into the ceiling void. Part C rated downlights can assist in energy saving by preventing heat loss from a room. The H4 Pro range are the only Part C rated adjustable downlights available in the market.

#### Part E - Acoustic Protection

In multi-floor buildings, such as hotels and apartment blocks, sound can permeate throughout the building causing annoyance to neighbours and colleagues. With a Part E rated downlight, testing is carried out to ensure it is resistant to sound being transferred through partitions.

#### Part P - Electrical Safety

Covers all aspects of proper installation of electrical components. All Collingwood products have been designed to easily allow installation to Part P, but we recommend that they should be installed by a qualified electrician or a suitably competent person.

#### Part L - Conservation of Energy

LEDs are an energy efficient technology, however not all LED products are created equal. Part L ensures that only the most efficient products are installed, so that as little energy as possible is used, and therefore energy bills are lowered.

Since early 2014, the energy efficiency requirement in Part L is greater than 60lm/W. There is also an onus on using control systems to ensure that energy is not further wasted by lighting being left on when it is not needed.

## **SDCM** (STANDARD DEVIATION COLOUR MATCHING)

SDCM refers to the colour consistency between light sources. SDCM is a different naming convention for MacAdam Ellipses, both terms are internationally accepted. A SDCM is a scientific term given to light sources that the human eye should not be able to distinguish a difference between in an installation.

Look out for the SDCM logo throughout the catalogue.



Collingwood Lighting commits to ensuring that its illumination products have a colour consistency.

## **CCT** (CORRELATED COLOUR TEMPERATURE)

#### Choosing a colour temperature:

LEDs make it possible to have a choice of white colours or 'tones'. This allows easy customisation of an area to bring out the best in the materials and design of a room.

With standard white LED lighting, these tones range from warm-yellow to cool-blue white light, with several options in between. The graphic below is a reference that starts at a warm yellow colour on the left and fades into a cool blue colour on the right.

Collingwood Lighting uses the industry standard Correlated Colour Temperature (CCT) rating to describe the tones of white light available. The standard unit of CCT is the kelvin (K), so CCT is described as a 'temperature'.

CCT options range from 6000K / 6500K for cool white, 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.

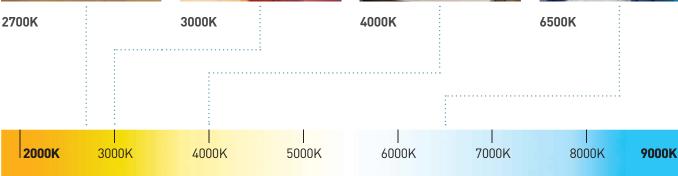
It can be a tricky to decide what is best for your installation, but our skilled technical sales and lighting design teams are on hand to guide you through choosing the perfect white tone for your room.





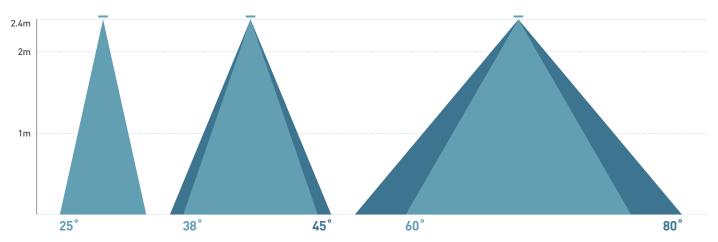






## **BEAM** ANGLES

- 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.





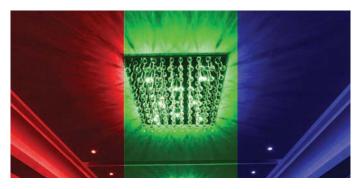
LOW CRI HIGH CRI

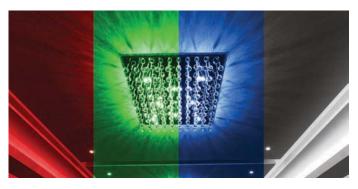
## **RGB** vs RGBW

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  ${\bf collingwoodlighting.com}$  and click on the DIALux logo.



## 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.

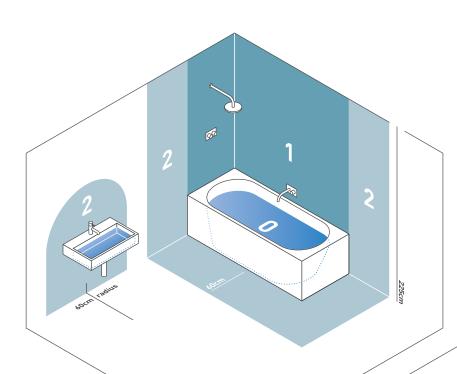
NO.	PROTECTION	NO.	PROTECTION
IK00	Not protected	IK06	Protected against 1 joules impact.
IK01	Protected against 0.14 joules impact.	IK07	Protected against 2 joules impact.
IK02	Protected against 0.2 joules impact.	IK08	Protected against 5 joules impact.
IK03	Protected against 0.35 joules impact.	IK09	Protected against 10 joules impact.
IK04	Protected against 0.5 joules impact.	IK10	Protected against 20 joules impact.
IK05	Protected against 0.7 joules impact.		

The IP rating normally has two numbers:

- 1. Level of protection from solid objects or materials
- 2. Level of protection from liquids (water)

NO.	EXAMPLE	-	SOLID PROTECTION	NO.		EXAMPLE		WATER PROTECTION
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	:	15°	:	Protection against water droplets deflected up to 15° from vertical
3	Z	:	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	3008	:	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
	II	P	<b>65</b>	<del>!</del> 7	:		:	Protection against temporary immersion
	Ingress F	:		8	:		:	Protection against prolonged effects of submersion under pressure. Submersion depth to be specified.*

 $<sup>^{*}</sup>$  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.



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 and increased zone 1 is provided by the horizontal dimension of 1.2m.



DOWNLIGHTS											
H2 LITE				H2 Pro 550 SPS					RB359CR (sold in multiples of two)		76
4	DLT388BS5530 DLT388BS5540	0	65		DLT4335530 DLT4335530EM DLT4335540 DLT4335540EM	0 0 0	70		(Sold III MultipleS of two)		
				1	(bezels available separately)				RB359MW (sold in multiples of two)		76
4	DLT388MW5530 DLT388MW5540	0	65								
				H2 PR0 550 CS	DLT4286500 DLT4286500EM (bezels available separately)	•••	71		RB359PG (sold in multiples of two)		76
H2 LITE 500									RB359SIL		76
	DLT469BS6030 DLT469BS6040 NEW TO EDITION 24	0	66						(sold in multiples of two)		
	DLT469MW6030	0	66	H2 PR0 700	DLT2425527 DLT2425527EM	0 0	72		RB359WH (sold in multiples of two)		76
	DLT469MW6040 DLT469MW6040 NEW TO EDITION 24	Õ	00		DLT2425530 DLT2425530EM DLT2425540 DLT2425540EM (bezels available separately)	0 0 0 0					
96					(DEZELS AVAILABLE SEPALACEY)				SQB360BLK (sold in multiples of two)		76
H2 LITE 500 CSP				H2 PR0 DUSK							
	DLT4566000 (bezels available separately) NEW TO EDITION 24	Û	68		DLT2425528 DLT2425528EM (bezels available separately)	0 0	73		SQB360CR (sold in multiples of two)		76
									SQB360MW (sold in multiples of two)		76
H2 LITE 500 CSW	DLT470BS6500	0	67	H2 PR0 ELECT	DLT4074528	0	74				
	NEW TO EDITION 24		67		DLT4074528EM DLT4074530 DLT4074530EM DLT4074530EM DLT4074540 DLT4074540EM (bezels available separately)	0 0 0 0 0	74		SQB360PG (sold in multiples of two)		76
	DLT470MW6500 NEW TO EDITION 24	Û	67		<u> </u>				SQB360SIL		76
0				H2 PR0 ELECT TRI	MLESS			10	(sold in multiples of two)		
					DL4094528 DL4094528EM	0	75				
					DL4094530 DL4094530EM DL4094540	0					
H2 PRO 550 / H2 PR	DL35638NW		69	- CARD	DL4094540EM	•		H4 Pro 550	DIT/050000	0	
	DL35638NWEM DLT35638NW DLT35638NWEM DL35638WW	0 0							DLT4353830 DLT4353830EM DLT4353840 DLT4353840EM	0 0	77
	DL35638WWEM DLT35638WW DLT35638WWEM (bezels available separately)	0		H2 BEZELS	RB359BLK (sold in multiples of two)		76		DLT4357030 DLT4357030EM DLT4357040 DLT4357040EM (bezels available separately)	() () () ()	
	DL3566027 DL3566027EM DL35660NW	0	69	O							
A PO	DL35660NWEM DLT35660NW DLT35660NWEM	<b>0 0</b>			RB359BS		76	H4 Pro 550 SPS			
	DL135660WW DL35660WWEM DL35660WWEM DLT35660WWEM (bezels available separately)	0			(sold in multiples of two)			0	DLT4365530 DLT4365530EM DLT4365540 DLT4365540EM (bezels available separately)	() () () ()	78

DOWNLIGHTS										
H4 Pro 700				H5 500 ASYMMETRI	r				DL/CONVERTBLK	88
<b>6</b>	DLT4435527 DLT4435527EM DLT4435530 DLT4435530EM DLT4435540 DLT4435540EM (bezels available separately)		79		DL283BSNWDIM DL283BSNWEM DL7283BSNWDIM DL7283BSNWEM DL283BSWWDIM DL283BSWWDIM DL7283BSWWDIM DL7283BSWWDIM DL7283BSWWEM	0	84		DL/CONVERTCR	88
H4 Pro Elect	DLT4414528 DLT4414528EM	0 0	80		DL283CRNWDIM DL283CRNWEM DL7283CRNWDIM DL7283CRNWEM DL283CRWWDIM DL283CRWWEM DL7283CRWWDIM DL7283CRWWDIM DL7283CRWWEM	0 0 0	84		DL/CONVERTSIL	88
	DLT4414530 DLT4414530EM DLT4414540 DLT4414540EM (bezels available separately)	000			DL283WHNWDIM DL283WHNWDIM DL7283WHNWDIM DL7283WHNWEM DL283WHWWDIM DL283WHWWEM DL7283WHWWDIM	0 0 0	84	O	DL801MW	88
					DLT283WHWWEM	0 0			DLCONVERT70BS	88
H4 BEZELS	RB442BS		81							
				H5 1000 SYMMETRI	DL292BSNW DLT292BSNW DL292BSWW	0	85		DLCONVERT70CR	88
0	RB442CR		81		DLT292BSWW	Û			DLCONVERT70MW	88
	RB442MW		81		DL292WHNW DLT292WHNW DL292WHWW DLT292WHWW	0	85		DI CONVEDIZADO	88
	RB442WH		81					0	DLCONVERT70PG	88
				H5 1000 ASYMMETE	DL291BSNW DLT291BSNW DL291BSWW	•	86		DLCONVERT70WH	88
					DLT291BSWW	Û			DLCONVERT98BS	88
H5 TRIMLESS	DL282WHNWDIM DL282WHWWDIM		82		DL291WHNW DLT291WHNW DL291WHWW DLT291WHWW	0	86			
									DLCONVERT98CR	88
H5 500 SYMMETRIC	;			H6 LITE	DL800MW10030 DL800MW10040		87		DLCONVERT98WH	88
	DL284BSNWDIM DL284BSNWEM DL7284BSNWDIM DL7284BSNWEM DL284BSWWDIM DL7284BSWWDIM DL7284BSWWDIM DL7284BSWWEM	0 0 0	83						LEDEM01	93
	DL1284WHNWDIM DL284WHNWEM DLT284WHNWDIM DL7284WHNWDIM DL284WHWWDIM DL284WHWWEM DL7284WHWWEM DLT284WHWWEM	0 0 0	83	ACCESSORIES	14800121		90		LEDEP06	91

DOWNLIGHTS					<b>GROUND</b> LIGHTS		
LEDEP07	92		DL SURFACE F NW DL SURFACE F WW	95		GL016DC0F27 GL016DC0F30 GL016DC0F40 NEW TO EDITION 24	119
DM298FF	89		DM012540 DM012527	102		GL016 F AB 27 NEW GL016 F AB AMBER GL016 F AB BLUE GL016 F AB GREEN GL016 F AB NW GL016 F AB RED GL016 F AB WW	118
DM298GF	RID 89		DM022430	102		GL016 F 27 <b>NEW</b> GL016 F AMBER GL016 F BLUE GL016 F GREEN GL016 F NW GL016 F RED GL016 F WW	117
DOWNLIGHTS			DH02WH	103		GL016 SQ 27 <b>NEW</b> GL016 SQ BLUE GL016 SQ NW GL016 SQ WW	117
AR119 SIL	101		DH03WH	103		GL018 C AB 27 NEW GL018 C AB AMBER GL018 C AB BLUE GL018 C AB GREEN GL018 C AB NW GL018 C AB RED GL018 C AB WW	128
AR120 SIL	101		DH04WH	103	0	GL018 C AMBER GL018 C BLUE GL018 C GREEN GL018 C NW GL018 C RED GL018 C WW	127
AR220 SIL	101		DH05WH	103	<b></b>	GL018 SQ 27 <b>NEW</b> GL018 SQ BLUE GL018 SQ NW GL018 SQ WW	129
DL120 27 i DL120 NW DL120 WW	1		FIBRE LED 1/30 FIBRE LED 2/30	99		GL018 T BLUE GL018 T NW	130
DL130 27 I DL130 NW DL130 WW	1		FIBRE LED LIGHT NW	98		GL019DC0F27 GL019DC0F30 GL019DC0F40 NEW TO EDITION 24	123
DL201FNW DL201FWW			RL1112027 RL1112030 RL1112040 RL1114027 RL1114030 RL1114040	100		GL019DMBL27 GL019DMBL30 GL019DMBL40 NEW TO EDITION 24	121
DL201SNW DL201SWV		<b>GROUND</b> LIGHTS				GL019DNBL27 GL019DNBL30 GL019DNBL40 NEW TO EDITION 24	121
DL PENDA DL PENDA			GL007 FROSTED NW GL007 FROSTED WW	109		GL019LGF27 <b>NEW</b> GL019LGFNW GL019LGFWW	122

<b>GROUND</b> LIGHTS							
	GL019LGS27 <b>NEW</b> GL019LGSNW GL019LGSWW	122	GL041 F NW GL041 F WW	115		TUBE/33 TUBE/50 TUBE/68	131
	GL019 F 27 NEW GL019 F AMBER GL019 F BLUE GL019 F GREEN GL019 F NW GL019 F RED GL019 F RW	120	GL041 S NW GL041 S WW	115	<b>WALL</b> LIGHTS		
	GL019 S 27 NEW GL019 S AMBER GL019 S BLUE GL019 S GREEN GL019 S GREEN GL019 S RED GL019 S RED GL019 S WW	120	GL050 27 <b>NEW</b> GL050 BLUE GL050 NW GL050 WW	116		GL021 27 <b>NEW</b> GL021 BLUE GL021 NW GL021 WW	137
	GL019 SQ F BLUE GL019 SQ F NW GL019 SQ F WW	124	GL051 27 <b>NEW</b> GL051 BLUE GL051 NW GL051 WW	116		GL022 27 <b>NEW</b> GL022 BLUE GL022 NW GL022 WW	137
	GL019 SQ S BLUE GL019 SQ S NW	124	GL063 GL06327 <b>NEW</b>	110	6	GL034A 27 <b>NEW</b> GL034A NW GL034A WW	136
0	GL019 S T 27 <b>NEW</b> GL019 S T BLUE GL019 S T NW GL019 S T WW	125	GL064 GL06427 <b>NEW</b>	110		MC010 S 27 NEW MC010 S AMBER MC010 S BLUE MC010 S GREEN MC010 S GREEN MC010 S NEW MC010 S RED MC010 S WW	151
	GL019 S TK 27 <b>NEW</b> GL019 S TK BLUE GL019 S TK NW	126	GL07D24X27 NEW GL07D38X27 NEW GL07D40X27 NEW GL07D24X30 GL07D38X30 GL07D24X40 GL07D24X40 GL07D38X40	108		MC015 S 27 <b>NEW</b> MC015 S NW MC015 S WW	152
	GL038A F 27 <b>NEW</b> GL038A F BL GL038A F NW GL038A F WW		GL07D60X40  GL08D24X27 NEW GL08D38X27 NEW GL08D38X27 NEW GL08D4X30 GL08D38X30	107		MC020 S 27 NEW MC020 S AMBER MC020 S BLUE MC020 S GREEN MC020 S NW MC020 S RED MC020 S WW	150
	GL040DMBL27 GL040DMBL30 GL040DMBL40 NEW TO EDITION 24	114	GL08D60X30 GL08D24X40 GL08D38X40 GL08D60X40 GL09D24X27 NEW GL09D38X27 NEW	106		MC025 S 27 <b>NEW</b> MC025 S NW	152
	GL040DNBL27 GL040DNBL30 GL040DNBL40 NEW TO EDITION 24	114	GL09D60X27 NEW GL09D2X30 GL09D38X30 GL09D80X30 GL09D2X440 GL09D28X40 GL09D60X40		G	MC040 27 <b>NEW</b> MC040 NW MC040 WW	140
	GL040 F 27 <b>NEW</b> GL040 F NW GL040 F WW	113	GL090 F 27 <b>NEW</b> GL090 F BL GL090 F NW GL090 F WW	112	6	MC050 27 <b>NEW</b> MC050 NW MC050 WW	140
	GL040 S 27 <b>NEW</b> GL040 S NW GL040 S WW	113	GL090 S 27 <b>NEW</b> GL090 S BL GL090 S NW GL090 S WW	112	•	MF02 IP 27 NEW MF02 IP AMBER MF02 IP BLUE MF02 IP GREEN MF02 IP NW MF02 IP RED MF02 IP WW	153

WALL LIGHTS							
	ML01 27 NEW ML01 AMBER ML01 BLUE ML01 GREEN ML01 NW ML01 RED ML01 WW	156		WL050 27 NEW WL050 BLUE WL050 NW WL050 WW	148	WL240A F 27 <b>NEW</b> WL240A F NW WL240A F WW	143
	ML02 27 NEW ML02 AMBER ML02 BLUE ML02 GREEN ML02 NW ML02 RED ML02 WW	157		WL050 WALL BOX	149	WL261F27 <b>NEW</b> WL261FNW WL261FWW	159
67	ML03 27 NEW ML03 AMBER ML03 BLUE ML03 GREEN ML03 NW ML03 RED ML03 WW	158	el	WL060 27 <b>NEW</b> WL060 NW WL060 WW	141	WL261S27 <b>NEW</b> WL261SNW WL261SWW	159
	MS02 IP 27 NEW MS02 IP AMBER MS02 IP BLUE MS02 IP GREEN MS02 IP NW MS02 IP RED MS02 IP RED MS02 IP WW	154	A.	WL070A 27 NEW WL070A NW WL070A WW	138	WL262F27 <b>NEW</b> WL262FNW WL262FWW	159
	OCTOLED27 <b>NEW</b> OCTOLEDNW OCTOLEDWW	142		WL075A 27 <b>NEW</b> WL075A NW WL075A WW	139	WL262S27 <b>NEW</b> WL262SNW WL262SWW	159
	WB/M 01	155		WL140A F 27 <b>NEW</b> WL140A F NW WL140A F WW	143	WL320A F NW WL320A F WW	145
• •	WB/M 02	155	el	WL160 27 <b>NEW</b> WL160 NW WL160 WW	141	WL33927 NEW WL339NW WL339WW	134
	WB/M 02/30 DEGREE	155	e	WL170A 27 <b>NEW</b> WL170A NW WL170A WW	138	WL34027 <b>NEW</b> WL340NW WL340WW	134
o a	WB/M BOX	155		WL175A 27 <b>NEW</b> WL175A NW WL175A WW	139	WL34127 <b>NEW</b> WL341NW WL341WW	135
	WL041 IP 27 NEW WL041 IP AMBER WL041 IP BLUE WL041 IP NW WL041 IP WW	146		WL220A F NW WL220A F WW	145	WL34227 <b>NEW</b> WL342NW WL342WW	135
9	WL020A BLK F NW WL020A BLK F WW	145		WL220A MAINS F NW WL220A MAINS F WW WL220A MAINS S NW WL220A MAINS S WW	144	WL370A 27 <b>NEW</b> WL370A NW WL370A WW	138
9	WL020A BLK S NW WL020A BLK S WW	145		WL220A S NW WL220A S WW	145	WL80GX0X30 WL80GX0X40	147

WALL LIGHTS				STRIP LIGHTS					
	WL92KC1E30 WL92KC1E40 WL92KC1X30 WL92KC1X40	<b>①</b>	160		CONNECTOR X 6X12	173		LSBFCS8 LSBFCS10 LSFCS12	172
	WL92KC1S30 WL92KC1S40 WL92KC1SE30 WL92KC1SE40	<b>0</b>	161	5	CX7010 CX7020	169	6	LSBFCD8 LSBFCD10 LSFCD12	172
STRIP LIGHTS					CXECA	169		LSC0327XXX LSC0330XXX LSC0340XXX	186
	ACRYLIC COVER C 1M ACRYLIC COVER F 1M		170	9	CXECB	169	Q. 0 10 10	LSC43277XXX LSC4330XXX LSC4340XXX	187
	C07010 C07020		169		CXECC	169		LSC4527XXX LSC4530XXX LSC4540XXX	188
	CO7ECA		169	15	CXECD	169	· · ·	LSC8327XXX LSC8330XXX LSC8340XXX	189
0	CO7ECB		169		LED COVE PACK 1M	171		LSC8EXT	173
0	CO7MB		169		LEDSTRIP IP AMB LEDSTRIP IP BL LEDSTRIP IP NW LEDSTRIP IP RED LEDSTRIP IP WW	190	Ó	LSC8PWL	173
	CON EXT M/F 6X12 CON FEMALE 6X12 CON MALE 6X12		173		LINE PROF END CAP	170		LSV0227050 LSV0230050 LSV0240050 LSV0265050 NEW TO EDITION 24	174
	CONNECTOR 6X12 CONNECTOR 6X12 5M		173	9	LINE PROF FIX CLIP	170		LSV0427050 LSV0430050 LSV0440050 LSV0465050 NEW TO EDITION 24	176
	CONNECTOR L 6X12		173		LINE PROFILE 20MM 1M	170		LSV0527050 LSV0530050 LSV0540050 LSV0565050 NEW TO EDITION 24	175
	CONNECTOR T 6X12		173	134	LSBFC8 LSBFC10 LSFC12	172	-111111	LSV0627050 LSV0630050 LSV0640050 LSV0665050 NEW TO EDITION 24	177
_									

STRIP LIGHTS					
LSV4227050 LSV4230050 LSV4240050 LSV4265050 NEW TO EDITION 24	178	RP7ECA	168	U PROFILE 6X12 1M	170
LSV4427050 LSV4430050 LSV4440050 LSV4465050 NEW TO EDITION 24	180	RP7ECB	168	<b>L</b> RANGE	
LSV4527050 LSV4530050 LSV4540050 LSV4565050 NEW TO EDITION 24	179	SM28010 SM28020	168	RDSLBLK2030 RDSLBLK2040 RDSLBLK7030 RDSLBLK7040	202
LSV4627050 LSV4630050 LSV4640050 LSV4665050 NEW TO EDITION 24	181	SM28ECA	168	RDSLSIL2030 RDSLSIL2040 RDSLSIL7030 RDSLSIL7040	202
LSV8227050 LSV8230050 LSV8240050 LSV8265050 NEW TO EDITION 24	182	SM28MB	168	RDSLWH2030 RDSLWH2040 RDSLWH7030 RDSLWH7040	202
LSV8427050 LSV8430050 LSV8440050 LSV8465050 NEW TO EDITION 24	184	SM7010 SM7020	168	RDSMBLK2030 RDSMBLK2040 RDSMBLK7030 RDSMBLK7040	204
LSV8527050 LSV8530050 LSV8540050 LSV8565050 NEW TO EDITION 24	183	SM7ECA	168	RDSMSIL2030 RDSMSIL2040 RDSMSIL7030 RDSMSIL7040	204
LSV8627050 LSV8630050 LSV8640050 LSV8665050 NEW TO EDITION 24	185	SM7ECB	168	RDSMWH2030 RDSMWH2040 RDSMWH7030 RDSMWH7040	204
PROFILE 6X12 BLK 1M	170	SM7LC	168	RDSSBLK2030 RDSSBLK2040 RDSSBLK5030 RDSSBLK5040	206
PROFILE 6X12 SIL1M	170	SM7MA	168	RDSSSIL2030 RDSSSIL2040 RDSSSIL5030 RDSSSIL5040	206
RP28010 RP28020	168	SPBLK2M	171	RDSSWH2030 RDSSWH2040 RDSSWH5030 RDSSWH5040	206
RP7010 RP7020	168	SPSIL2M	171	RHCL RHCM RHCS	201
				_	

RETAIL RANGE			
1	SKB11R1 196 SKB11R2 SKB11R3	\$Q\$\$BLK2030 207 \$Q\$\$BLK2040 \$Q\$\$BLK5030 \$Q\$\$BLK5040	XTS231 197 XTS232 XTS233
	SKB11T1 196 SKB11T2 SKB11T3	\$Q\$\$\$IL2030 <b>207</b> \$Q\$\$\$IL2040 \$Q\$\$\$IL5030 \$Q\$\$\$IL5040	XTS241 197 XTS242 XTS243
(-0)	SKB121 196 SKB122 SKB123	\$Q\$\$WH2030 <b>207</b> \$Q\$\$WH2040 \$Q\$\$WH5030 \$Q\$\$WH5040	XTS341 197 XTS342 XTS343
	SP4R1 196 SP4R2 SP4R3	TLBLK2030 198 TLBLK2040 TLSIL2030 TLSIL2040 TLWH2030 TLWH2040	XTS351 197 XTS352 XTS353
	SPR62 SPR63	TLBLK7030 198 TLBLK7040 TLSIL7030 TLSIL7040 TLWH7030 TLWH7040	XTS361 197 XTS362 XTS363
0	SPW11 196 SPW12 SPW13	TMBLK2030 199 TMBLK2040 TMSIL2030 TMSIL2040 TMWH2030 TMWH2040	XTS371 197 XTS372 XTS373
	SQSLBLK2030 <b>203</b> SQSLBLK2040 SQSLBLK7030 SQSLBLK7040	TMBLK7030 199 TMBLK7040 TMSIL7030 TMSIL7040 TMWH7030 TMWH7030 TMWH7040	XTS381 197 XTS382 XTS383
	SQSLSIL2030 <b>203</b> SQSLSIL2040 SQSLSIL7030 SQSLSIL7040	TSBLK2030 200 TSBLK2040 TSSIL2030 TSSIL2040 TSWH2030 TSWH2040	XTS391 197 XTS392 XTS393
	SQSLWH2030 <b>203</b> SQSLWH2040 SQSLWH7030 SQSLWH7040	TSBLK5030 200 TSBLK5040 TSSIL5030 TSSIL5040 TSWH5030 TSWH5040	XTS401 197 XTS402 XTS403
<b>A</b>	SQSMBLK2030 <b>205</b> SQSMBLK2040 SQSMBLK7030 SQSMBLK7040	XTS111 197 XTS112 XTS113	XTS41001 XTS41002 XTS41003
	\$Q\$M\$IL2030 <b>205</b> \$Q\$M\$IL2040 \$Q\$M\$IL7030 \$Q\$M\$IL7040	XTS141 197 XTS142 XTS143	XTS411 197 XTS412 XTS413
	SQSMWH2030 <b>205</b> SQSMWH2040 SQSMWH7030 SQSMWH7040	XTS211 197 XTS212 XTS213	XTS42001 196 XTS42002 XTS42003

RETAIL RANGE		UNIVERSAL LIG	HTS				
XTSF101 XTSF102 XTSF103	197		LEDLINE 400 27 110 NEW LEDLINE 400 NW 110 LEDLINE 400 WW 110	216		ULM345M27 <b>NEW</b> ULM345M30 ULM345M40	219
XTSF301 XTSF302 XTSF303	197	-	LEDLINE 400 27 25X6 NEW LEDLINE 400 NW 25X6 LEDLINE 400 WW 25X6	217	THE REAL PROPERTY.	ULM346M27 <b>NEW</b> ULM346M30 ULM346M40	220
XTSF41001 XTSF41002 XTSF41003	196	-	LEDLINE 400 27 45 NEW LEDLINE 400 NW 45 LEDLINE 400 WW 45	218		ULM347M27 <b>NEW</b> ULM347M30 ULM347M40	221
XTSF42001 XTSF42002 XTSF42003	196		LED LYTE 1M EXT	231		ULS345M27 <b>NEW</b> ULS345M30 ULS345M40	222
XTSV12	197		LED LYTE 6 WAY EXT	231		ULS346M27 <b>NEW</b> ULS346M30 ULS346M40	223
<b>UNIVERSAL</b> LIGHTS			LED LYTE 27 NEW LED LYTE AMBER LED LYTE BLUE LED LYTE NW LED LYTE RED LED LYTE WW	230		ULS347M27 NEW ULS347M30 ULS347M40	224
FL01BC2P30 FL01BC2P40 FL01BC2X30 FL01BC2X40	210		LED LYTE IP 27 NEW LED LYTE IP AMBER LED LYTE IP BLUE LED LYTE IP GREEN LED LYTE IP NW LED LYTE IP RED LED LYTE IP RW	228	SPIKE LIGHTS		
FL02BC2P30 FL02BC2P40 FL02BC2X30 FL02BC2X40	211		LED LYTE IP T 27 <b>NEW</b> LED LYTE IP T BL LED LYTE IP T NW	229	0	GH220B NEW TO EDITION 24	238
FL03BC2P30 FL03BC2P40 FL03BC2X30 FL03BC2X40	212		LED LYTE SURFACE 27 NEW LED LYTE SURFACE NW LED LYTE SURFACE WW	227		GH220S NEW TO EDITION 24	238
FL05BC2P30 FL05BC2P40 FL05BC2X30 FL05BC2X40	213		UL010 27 <b>NEW</b> UL010 BL UL010 NW UL010 WW	226		GS220B NEW TO EDITION 24	238
FL10BC2X30 FL10BC2X40	214		UL030 27 <b>NEW</b> UL030 BL UL030 NW UL030 WW	225		GS220S NEW TO EDITION 24	238
FL200F27 NEV FL200FNW FL200FWW	V 215		ULBRACKET	231		SL020A BLK F 27 SL020A BLK F NW SL020A BLK F WW SL020A BLK S NW SL020A BLK S WW	235

SPIKE LIGHTS			BOLLARDS			COLOUR CHANG	GE	
	SL030 F 27 SL030 F AMBER SL030 F BLUE SL030 F GREEN SL030 F NW SL030 F RED SL030 F WW	237	*	BOL LED 030 MAINS 27 <b>NEW</b> BOL LED 030 MAINS NW BOL LED 030 MAINS WW	242		GL008RGBW	259
	SL040A F 27 SL040A F NW SL040A F WW SL040A S 27 SL040A S NW SL040A S WW	236	R	BOL LED 1 27 <b>NEW</b> BOL LED 1 NW BOL LED 1 WW	243		GL016RGBW	263
	SL13027 SL13030 SL13040	237		BOL LED BRACKET	244		GL040CARGB	261
	SL220A F NW SL220A F WW	235	<b>COLOUR</b> CHANG	SE SE			GL050RGBW	262
	SL220A MAINS F NW SL220A MAINS F WW	234	DE -	C100924	256		GL090RGBW	260
	SL220A MAINS S NW SL220A MAINS S WW	234		CF505RGBW	277	A 6	LED 3 RGB EXT	278
	SL220A S NW SL220A S WW	235		COLLINGWOODRGBW REQUIRES TR2818	253	***	LEDRGBWEXT	278
	SL320A F 27 SL320A F NW SL320A F WW	235	7	CR575RGBW	277		LED RGB 0.75 CABLE	277
BOLLARDS				DL329RGBW	272		LL030CARGB	274
	B0L255WW	245		DMX2102	257		LL090RGBW	273
	BOL256WW	246		DMX RS 485 CABLE	277		LSR0527XXX LSR0530XXX LSR0540XXX	276
	BOL255RM	247		GL007RGBW	258		PR3002	255

COLOUR CHANG	E				WIRING & DRIVERS	
	DD0044	25/	- William on on Dob	244	10/	
	PR3011	254	WL021CARGB	266	JB4	297
	RC2819	252	WL070RGBW	264	JB5	297
	SL021CARGB	275	WL075CARGB	265	JB6	297
	SL220CARGB	275	WL220CARGB	266	JB7	297
	TR2818	253	WIRING & DRIVERS		PDC/GRID DIMMER	296
	UL010RGBW	271	CR135 BL CR135 RED	297	PDCINT1-10V	288
B	UL030RGBW	270	HAL 104	288	PL/IP/350 1-9	292
4	UL345CARGB	267	IX 265	296	PL/IP/350 3-12	292
	UL346CARGB	268	IX 365	296	PL/IP/700 1-3	292
-	UL347CARGB	269	JB1	296	PL/IP/700 3-9	292
1 0 1 W	WC2820BLK	252	JB2	296	PLDCC/350/10-28	290
6	WC2820WH	252	JB3	296	PLDCC/700/12-24	292
-						

# INDEX (PRODUCT RANGE)

WIRING & DRIVE	ERS						
e latte de	PLDM35020	290		PS3024	294	PSDIP6024	294
	PLDM70011	292	A. E. E.	PS5024	294	PSIP15024	294
	PLDM/700 3	290		PSDAL20024	294	PSIP25024	294
	PLD UNI-DRIVE 350MA	290		PSDAL350M	290	PSMD35039	290
	PLD UNI-DRIVE 700MA	292		PSDAL700M	292	PSMD3501324	290
	PLR/350 1-5	290		PSDAL900M	292	PSMD70024	292
	PLU/350 1-9	290		PSDIM350	290	PSMD700610	290
W. S. S. S.	PLU/700 3-9	292		PSDIM700	292	PSMDIP10024	294
	PLU/PP/350 1-9	290		PSDIM900	292	UY2 CONNECTOR	296
	PLU/PP6/350 1-9	290	The state of the s	PSDIN350M	290	WC 5-9	296
	PS10024	294		PSDIN700M	292	WCR 275 BLACK	297
	PS1524	294		PSDIP10024	294	WCR 375 BLACK	297

14800121	90	DL283WHWWEM	84	DLT284BSWWDIM	83	DM022430	102	GL018 SQ BLUE	129
ACRYLIC COVER C 1M		DL284BSNWDIM		DLT284BSWWEM		DM298FP		GL018 SQ NW	
ACRYLIC COVER F 1M	170	DL284BSNWEM	83	DLT284WHNWDIM	83	DM298GRID	89	GL018 SQ WW	
AR119 SIL		DL284BSWWDIM		DLT284WHNWEM		DMX2102	257	GL018 T BLUE	
AR120 SIL	101	DL284BSWWEM	83	DLT284WHWWDIM	83	DMX RS 485 CABLE	277	GL018 T NW	130
AR220 SIL	101	DL284WHNWDIM	83	DLT284WHWWEM	83	FIBRE LED 1/30	99	GL019DC0F27	123
B0L255RM		DL284WHNWEM	83	DLT291BSNW		FIBRE LED 2/30	99	GL019DC0F30	123
B0L255WW	245	DL284WHWWDIM	83	DLT291BSWW	86	FIBRE LED LIGHT NW	98	GL019DC0F40	123
B0L256WW	246	DL284WHWWEM	83	DLT291WHNW	86	FL01BC2P30	210	GL019DMBL27	121
BOL LED 030 MAINS 27	242	DL291BSNW	86	DLT291WHWW		FL01BC2P40	210	GL019DMBL30	121
BOL LED 030 MAINS NW	242	DL291BSWW	86	DLT292BSNW	85	FL01BC2X30	210	GL019DMBL40	121
BOL LED 030 MAINS WW	242	DL291WHNW	86	DLT292BSWW	85	FL01BC2X40	210	GL019DNBL27	121
BOL LED 1 27	243	DL291WHWW	86	DLT292WHNW	85	FL02BC2P30	211	GL019DNBL30	121
BOL LED 1 NW	243	DL292BSNW	85	DLT292WHWW	85	FL02BC2P40	211	GL019DNBL40	121
BOL LED 1 WW	243	DL292BSWW	85	DLT35638NW	69	FL02BC2X30	211	GL019 F 27	120
BOL LED BRACKET		DL292WHNW	85	DLT35638NWEM		FL02BC2X40	211	GL019 F AMBER	120
C100924	256	DL292WHWW	85	DLT35638WW	69	FL03BC2P30	212	GL019 F BLUE	120
CF505RGBW	277	DL329RGBW	272	DLT35638WWEM		FL03BC2P40	212	GL019 F GREEN	120
CO7010		DL35638NW	69	DLT35660NW		FL03BC2X30	212	GL019 F NW	120
CO7020	169	DL35638NWEM	69	DLT35660NWEM	69	FL03BC2X40	212	GL019 F RED	
CO7ECA	169	DL35638WW	69	DLT35660WW		FL05BC2P30	213	GL019 F WW	
C07ECB		DL35638WWEM		DLT35660WWEM		FL05BC2P40		GL019LGF27	
C07MB		DL3566027		DLT388BS5530		FL05BC2X30		GL019LGFNW	
COLLINGWOODRGBWAPP		DL3566027EM		DLT388BS5540		FL05BC2X40		GL019LGFWW	
CON EXT M/F 6X12		DL35660NW		DLT388MW5530		FL10BC2X30		GL 019L GS27	
CON FEMALE 6X12		DL35660NWEM		DLT388MW5540		FL10BC2X40		GL019LGSNW	
CON MALE 6X12		DL35660WW		DLT4074528		FL200F27		GL019LGSWW	
CONNECTOR 6X12		DL35660WWEM		DLT4074528EM		FL200FNW		GL 019 S 27	
CONNECTOR 6X12 5M		DL4094528		DLT4074530		FL200FWW		GL019 S AMBER	
CONNECTOR 6X12 3M		DL4094528EM		DLT4074530EM		GH220B		GL019 S BLUE	
CONNECTOR L 6X12		DL4094530		DLT4074540		GH220S		GL019 S GREEN	
CONNECTOR X 6X12		DL4094530EM		DLT4074540EM		GL007 FROSTED NW		GL019 S NW	
CR135 BL		DL4094540		DLT4286500				GL019 SQ F BLUE	
						GL007 FROSTED WW			
CR135 RED		DL4094540EM		DLT4286500EM		GL007RGBW		GL019 SQ F NW	
CR575RGBW		DL800MW10030		DLT4335530		GL008RGBW		GL019 SQ F WW	
CX7010		DL800MW10040		DLT4335530EM		GL016DC0F27		GL019 SQ S BLUE	
CX7020		DL801MW		DLT4335540		GL016DC0F30		GL019 SQ S NW	
CXECA		DLCONVERT70BS		DLT4335540EM		GL016DC0F40		GL019 S RED	
CXECB		DLCONVERT70CR		DLT4353830		GL016 F 27		GL019 S T 27	
CXECC		DLCONVERT70MW		DLT4353830EM		GL016 F AB 27		GL019 S T BLUE	
CXECD		DLCONVERT70PG		DLT4353840		GL016 F AB AMBER		GL019 S TK 27	
DH02WH		DLCONVERT70WH		DLT4353840EM		GL016 F AB BLUE		GL019 S TK BLUE	
DH03WH		DLCONVERT98BS		DLT4357030		GL016 F AB GREEN		GL019 S TK NW	
DH04WH		DLCONVERT98CR		DLT4357030EM		GL016 F AB NW		GL019 S T NW	
DH05WH		DLCONVERT98WH		DLT4357040		GL016 F AB RED		GL019 S T WW	
DL/CONVERTBLK		DL PENDANT F NW		DLT4357040EM		GL016 F AB WW		GL019 S WW	
DL/CONVERTCR	88	DL PENDANT F WW		DLT4365530	78	GL016 F AMBER	117	GL021 27	137
DL/CONVERTSIL		DL SURFACE F NW		DLT4365530EM	78	GL016 F BLUE	117	GL021 BLUE	137
DL120 27		DL SURFACE F WW	95	DLT4365540	78	GL016 F GREEN	117	GL021 NW	137
DL120 NW		DLT2425527		DLT4365540EM	78	GL016 F NW	117	GL021 WW	137
DL120 WW	97	DLT2425527EM	72	DLT4414528	80	GL016 F RED	117	GL022 27	137
DL130 27	97	DLT2425528	73	DLT4414528EM	80	GL016 F WW	117	GL022 BLUE	137
DL130 NW	97	DLT2425528EM	73	DLT4414530	80	GL016RGBW	263	GL022 NW	137
DL130 WW	97	DLT2425530	72	DLT4414530EM	80	GL016 SQ 27	117	GL022 WW	137
DL201FNW	94	DLT2425530EM	72	DLT4414540	80	GL016 SQ BLUE	117	GL034A 27	136
DL201FWW		DLT2425540	72	DLT4414540EM	80	GL016 SQ NW		GL034A NW	136
DL201SNW		DLT2425540EM	72	DLT4435527	79	GL016 SQ WW	117	GL034A WW	136
DL201SWW		DLT283BSNWDIM	84	DLT4435527EM	79	GL018 C AB 27	128	GL038A F 27	111
DL282WHNWDIM		DLT283BSNWEM		DLT4435530	79	GL018 C AB AMBER		GL038A F BL	111
DL282WHWWDIM		DLT283BSWWDIM		DLT4435530EM		GL018 C AB BLUE		GL038A F NW	
DL283BSNWDIM		DLT283BSWWEM		DLT4435540		GL018 C AB GREEN		GL038A F WW	
DL283BSNWEM		DLT283CRNWDIM		DLT4435540EM		GL018 C AB NW		GL040CARGB	
DL283BSWWDIM		DLT283CRNWEM		DLT4566000		GL018 C AB RED		GL040DMBL27	
DL283BSWWEM		DLT283CRWWDIM		DLT469BS6030		GL018 C AB WW		GL040DMBL30	
DL283CRNWDIM		DLT283CRWWEM		DLT469BS6040		GL018 C AMBER		GL040DMBL40	
DL283CRNWEM		DLT283WHNWDIM		DLT469MW6030		GL018 C BLUE		GL040DNBL27	
DL283CRWWDIM		DLT283WHNWEM		DLT469MW6040		GL018 C GREEN		GL040DNBL30	
DL283CRWWDIM		DLT283WHWWDIM		DLT470BS6500				GL040DNBL40	
DL283URWWEM DL283WHNWDIM						GL018 C NW GL018 C RED			
		DLT283WHWWEM		DLT470MW6500				GL040 F 27	
DL283WHNWEM		DLT284BSNWDIM		DM012527		GL018 C WW		GL040 F NW	
DL283WHWWDIM	84	DLT284BSNWEM	83	DM012540	102	GL018 SQ 27	129	GL040 F WW	113

# INDEX (ALPHABETICAL)

GL040 S 27	113	LEDEP07	92	LSV0265050	174	MF02 IP BLUE	153	PSDIP10024	294
GL040 S NW		LEDLINE 400 27 110		LSV0427050		MF02 IP GRFFN		PSDIP6024	
GL040 S WW		LEDLINE 400 27 25X6		LSV0430050		MF02 IP NW		PSIP15024	
GL041 F NW		LEDLINE 400 27 45		LSV0440050		MF02 IP RED		PSIP25024	
GL041 F WW		LEDLINE 400 NW 110		LSV0465050		MF02 IP WW		PSMD3501324	
GL041 S NW		LEDLINE 400 NW 110		LSV0527050		ML01 27		PSMD35039	
GL041 S WW		LEDLINE 400 NW 45		LSV0530050		ML01 AMBER		PSMD70024	
GL050 27		LEDLINE 400 WW 110		LSV0540050		ML01 BLUE		PSMD700610	
GL050 BLUE		LEDLINE 400 WW 25X6		LSV0565050		ML01 GREEN		PSMDIP10024	
GL050 NW		LEDLINE 400 WW 45		LSV0627050		ML01 NW		RB359BLK	
GL050RGBW		LED LYTE 1M EXT		LSV0630050		ML01 RED		RB359BS	
GL050 WW	116	LED LYTE 27	230	LSV0640050	177	ML01 WW	156	RB359CR	
GL051 27	116	LED LYTE 6 WAY EXT	231	LSV0665050	177	ML02 27	157	RB359MW	76
GL051 BLUE	116	LED LYTE AMBER	230	LSV4227050	178	ML02 AMBER	157	RB359PG	76
GL051 NW	116	LED LYTE BLUE	230	LSV4230050	178	ML02 BLUE	157	RB359SIL	76
GL051 WW	116	LED LYTE IP 27	228	LSV4240050	178	ML02 GREEN	157	RB359WH	76
GL063	110	LED LYTE IP AMBER		LSV4265050	178	ML02 NW	157	RB442BS	81
GL063 27	110	LED LYTE IP BLUE	228	LSV4427050	180	ML02 RED	157	RB442CR	81
GL064		LED LYTE IP GREEN		LSV4430050		ML02 WW		RB442MW	
GL064 27		LED LYTE IP NW		LSV4440050		ML03 27		RB442WH	
GL07D24X27		LED LYTE IP RED		LSV44465050		ML03 AMBER		RC2819	
GL07D24X27								RDSLBLK2030	
		LED LYTE IP T 27		LSV4527050		ML03 BLUE			
GL07D24X40		LED LYTE IP T BL		LSV4530050		ML03 GREEN		RDSLBLK2040	
GL07D38X27		LED LYTE IP T NW		LSV4540050		ML03 NW		RDSLBLK7030	
GL07D38X30		LED LYTE IP WW		LSV4565050		ML03 RED		RDSLBLK7040	
GL07D38X40		LED LYTE NW		LSV4627050		ML03 WW		RDSLSIL2030	
GL07D60X27		LED LYTE RED		LSV4630050		MS02 IP 27		RDSLSIL2040	202
GL07D60X30	108	LED LYTE SURFACE 27	227	LSV4640050	181	MS02 IP AMBER	154	RDSLSIL7030	202
GL07D60X40	108	LED LYTE SURFACE NW	227	LSV4665050	181	MS02 IP BLUE	154	RDSLSIL7040	202
GL08D24X27	107	LED LYTE SURFACE WW	227	LSV8227050	182	MS02 IP GREEN	154	RDSLWH2030	202
GL08D24X30	107	LED LYTE WW	230	LSV8230050	182	MS02 IP NW	154	RDSLWH2040	202
GL08D24X40	107	LED RGB 0.75 CABLE	277	LSV8240050	182	MS02 IP RED	154	RDSLWH7030	202
GL08D38X27	107	LEDRGBWEXT	278	LSV8265050	182	MS02 IP WW	154	RDSLWH7040	202
GL08D38X30		LEDSTRIP IP AMB		LSV8427050		OCTOLED27		RDSMBLK2030	
GL08D38X40		LEDSTRIP IP BL		LSV8430050		OCTOLEDNW		RDSMBLK2040	
GL08D60X27		LEDSTRIP IP NW		LSV8440050		OCTOLEDWW		RDSMBLK7030	
GL08D60X27		LEDSTRIP IP RED		LSV8465050		PDC/GRID DIMMER		RDSMBLK7040	
GL08D60X40		LEDSTRIP IP WW		LSV8527050		PDCINT1-10V		RDSMSIL2030	
						PL/IP/350 1-9		RDSMSIL2030	
GL090 F 27		LINE PROF END CAP		LSV8530050		, ,			
GL090 F BL		LINE PROF FIX CLIP		LSV8540050		PL/IP/350 3-12		RDSMSIL7030	
GL090 F NW		LINE PROFILE 20MM 1M		LSV8565050		PL/IP/700 1-3		RDSMSIL7040	
GL090 F WW		LL030CARGB		LSV8627050		PL/IP/700 3-9		RDSMWH2030	
GL090RGBW		LL090RGBW		LSV8630050		PLDCC/350/10-28		RDSMWH2040	
GL090 S 27	112	LSBFC10		LSV8640050		PLDCC/700/12-24	292	RDSMWH7030	204
GL090 S BL		LSBFC8	172	LSV8665050	185	PLDM/700 3	290	RDSMWH7040	204
GL090 S NW	112	LSBFCD10	172	MC010 S 27	151	PLDM35020	290	RDSSBLK2030	206
GL090 S WW		LSBFCD8	172	MC010 S AMBER	151	PLDM70011	292	RDSSBLK2040	206
GL09D24X27	106	LSBFCS10	172	MC010 S BLUE	151	PLD UNI-DRIVE 350MA	290	RDSSBLK5030	206
GL09D24X30	106	LSBFCS8	172	MC010 S GREEN	151	PLD UNI-DRIVE 700MA	292	RDSSBLK5040	
GL09D24X40		LSC0327XXX		MC010 S NW		PLR/350 1-5	290	RDSSSIL2030	
GL09D38X27		LSC0330XXX		MC010 S RED		PLU/350 1-9		RDSSSIL2040	
GL09D38X30		LSC0340XXX		MC010 S WW		PLU/700 3-9		RDSSSIL5030	
GL09D38X40		LSC4327XXX		MC015 S 27		PLU/PP/350 1-9		RDSSSIL5030	
GL09D60X27						PLU/PP6/350 1-9		RDSSSIL5040	
		LSC4330XXX		MC015 S NW					
GL09D60X30		LSC4340XXX		MC015 S WW		PR3002		RDSSWH2040	
GL09D60X40		LSC4527XXX		MC020 S 27		PR3011		RDSSWH5030	
GS220B		LSC4530XXX		MC020 S AMBER		PROFILE 6X12 BLK 1M		RDSSWH5040	
GS220S		LSC4540XXX		MC020 S BLUE		PROFILE 6X12 SIL 1M		RHCL	
HAL 104		LSC8327XXX	189	MC020 S GREEN		PS10024		RHCM	201
IX 265		LSC8330XXX	189	MC020 S NW	150	PS1524	294	RHCS	
IX 365	296	LSC8340XXX	189	MC020 S RED		PS3024	294	RL1112027	
JB1	296	LSC8EXT	173	MC020 S WW	150	PS5024	294	RL1112030	100
JB2	296	LSC8PWL	173	MC025 S 27	152	PSDAL20024	294	RL1112040	100
JB3		LSFC12	172	MC025 S NW		PSDAL350M		RL1114027	
JB4		LSFCD12		MC040 27		PSDAL700M		RL1114030	
JB5		LSFCS12		MC040 NW		PSDAL900M		RL1114040	
JB6		LSR0527XXX		MC040 WW		PSDIM180		RP28010	
JB7		LSR0530XXX		MC050 27		PSDIM350		RP28020	
LED 3 RGB EXT		LSR0540XXX		MC050 NW		PSDIM700		RP7010	
LED COVE PACK 1M		LSV0227050		MC050 WW		PSDIM900		RP7020	
LEDEM01		LSV0230050 LSV0240050		MF02 IP 27 MF02 IP AMBER		PSDIN350M PSDIN700M		RP7ECA	
LEDEP06									

SKB11R1	196	SQSLSIL2030	203	UL010 27	226	WL160 27	141	XTS241	197
SKB11R2		SQSLSIL2040		UL010 BL		WL160 NW		XTS242	
SKB11R3	196	SQSLSIL7030		UL010 NW	226	WL160 WW		XTS243	197
SKB11T1	196	SQSLSIL7040	203	UL010RGBW		WL170A 27		XTS341	
SKB11T2	196	SQSLWH2030	203	UL010 WW		WL170A NW		XTS342	197
SKB11T3	196	SQSLWH2040	203	UL030 27	225	WL170A WW	138	XTS343	197
SKB121	196	SQSLWH7030	203	UL030 BL	225	WL175A 27	139	XTS351	197
SKB122	196	SQSLWH7040	203	UL030 NW	225	WL175A NW	139	XTS352	197
SKB123	196	SQSMBLK2030	205	UL030RGBW	270	WL175A WW	139	XTS353	197
SL020A BLK F 27	235	SQSMBLK2040	205	UL030 WW	225	WL220A F NW	145	XTS361	197
SL020A BLK F NW	235	SQSMBLK7030	205	UL345CARGB	267	WL220A F WW	145	XTS362	197
SL020A BLK F WW	235	SQSMBLK7040	205	UL346CARGB	268	WL220A MAINS F NW	144	XTS363	197
SL020A BLK S NW	235	SQSMSIL2030	205	UL347CARGB	269	WL220A MAINS F WW	144	XTS371	197
SL020A BLK S WW	235	SQSMSIL2040	205	ULBRACKET	231	WL220A MAINS S NW	144	XTS372	197
SL021CARGB	275	SQSMSIL7030	205	ULM345M27	219	WL220A MAINS S WW	144	XTS373	197
SL030 F 27	237	SQSMSIL7040	205	ULM345M30	219	WL220A S NW	145	XTS381	197
SL030 F AMBER	237	SQSMWH2030	205	ULM345M40	219	WL220A S WW	145	XTS382	197
SL030 F BLUE	237	SQSMWH2040	205	ULM346M27	220	WL220CARGB	266	XTS383	197
SL030 F GREEN	237	SQSMWH7030	205	ULM346M30	220	WL240A F 27	143	XTS391	197
SL030 F NW	237	SQSMWH7040	205	ULM346M40	220	WL240A F NW	143	XTS392	197
SL030 F RED	237	SQSSBLK2030	207	ULM347M27	221	WL240A F WW	143	XTS393	197
SL030 F WW	237	SQSSBLK2040	207	ULM347M30	221	WL261F27	159	XTS401	197
SL040A F 27	236	SQSSBLK5030	207	ULM347M40	221	WL261FNW	159	XTS402	197
SL040A F NW		SQSSBLK5040		ULS345M27		WL261FWW		XTS403	
SL040A F WW		SQSSSIL2030		ULS345M30		WL261S27		XTS41001	
SL040A S 27		SQSSSIL2040		ULS345M40		WL261SNW		XTS41002	
SL040A S NW		SQSSSIL5030		ULS346M27		WL261SWW		XTS41003	
SL040A S WW		SQSSSIL5040		ULS346M30		WL262F27		XTS411	
SL13027		SQSSWH2030		ULS346M40		WL262FNW		XTS412	
SL13030		SQSSWH2040		ULS347M27		WL262FWW		XTS413	
SL13040		SQSSWH5030		ULS347M30		WL262S27		XTS42001	
SL220A F NW		SQSSWH5040		ULS347M40		WL262SNW		XTS42001	
SL220A F WW		TLBLK2030		U PROFILE 6X12 1M		WL262SWW		XTS42002	
SL220A MAINS F NW		TLBLK2040		UY2 CONNECTOR		WL320A F NW		XTSF101	
SL220A MAINS F WW		TLBLK7030		WB/M 01		WL320A F WW		XTSF102	
SL220A MAINS F WW		TLBLK7040		WB/M 02/30 DEGREE		WL33927		XTSF103	
SL220A MAINS S WW			176	WB/M 02/30 DEGREE		WL339NW		XTSF301	
SL220A MAINS 3 WW		TLSIL2030		WB/M BOX		WL339WW		XTSF302	
SL220A S WW		TLSIL7030		WC2820BLK		WL34027		XTSF303	
SL220CARGB		TLSIL7040		WC2820WH		WL340NW		XTSF41001	
SL320A F 27		TLSIL7040		WC 5-9		WL340WW		XTSF41001XTSF41002	
SL320A F NW			198	WCR 275 BLACK		WL340VVV		XTSF41002XTSF41003	
SL320A F WW		TLWH2040		WCR 375 BLACK		WL341NW		XTSF41003XTSF42001	
SM28010			170	WL020A BLK F NW		WL341WW		XTSF42001	
SM28020		TMBLK2030		WL020A BLK F NW		WL34227		XTSF42002XTSF42003	
		TMBLK2030				WL3427WL342NW			
011202011					145			XTSV12	197
SM28MB		TMBLK7030		WL020A BLK S WW		WL342WW			
SM7010		TMBLK7040		WL021CARGB		WL370A 27			
			199	WL041 IP 27		WL370A NW			
SM7ECA		TMSIL2040		WL041 IP AMBER		WL370A WW			
SM7ECB		TMSIL7030		WL041 IP BLUE		WL80GX0X30			
SM7LC		TMSIL7040		WL041 IP NW		WL80GX0X40			
SM7MA		TMWH2030		WL041 IP WW		WL92KC1E30			
SP4R1		TMWH2040		WL050 27		WL92KC1E40			
SP4R2		TMWH7030		WL050 BLUE		WL92KC1S30			
SP4R3		TMWH7040		WL050 NW		WL92KC1S40			
SPBLK2M		TR2818		WL050 WALL BOX		WL92KC1SE30			
SPR62		TSBLK2030		WL050 WW		WL92KC1SE40			
SPR63		TSBLK2040		WL060 27		WL92KC1X30			
SPSIL2M		TSBLK5030		WL060 NW		WL92KC1X40			
SPW11		TSBLK5040		WL060 WW		XTS111			
SPW12		TSSIL2030		WL070A 27		XTS112			
SPW13		TSSIL2040		WL070A NW		XTS113			
SQB360BLK		TSSIL5030		WL070A WW		XTS141			
SQB360CR		TSSIL5040		WL070RGBW	264	XTS142			
SQB360MW		TSWH2030	200	WL075A 27	139	XTS143			
SQB360PG		TSWH2040	200	WL075A NW	139	XTS211	197		
SQB360SIL	76	TSWH5030	200	WL075A WW	139	XTS212			
SQSLBLK2030	203	TSWH5040	200	WL075CARGB	265	XTS213	197		
SQSLBLK2040	203	TUBE/33	131	WL140A F 27	143	XTS231	197		
SQSLBLK7030	203	TUBE/50	131	WL140A F NW	143	XTS232	197		
	203	TUBE/68		WL140A F WW		XTS233			



#### COLLINGWOOD LIGHTING LIMITED TERMS AND CONDITIONS OF TRADING

#### INTERPRETATION

- 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 Wates (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
    reacist learness and conditions around it writing between the Buyer and the Company.

  - 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 for parts thereoff to be supplied to the Buyer by the Company. 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.

  APPLICATION OF TERMS

- 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
- any representations about the occurs and thave no effect times appearing agreed in writing and silvy a director of the Company.

  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.

  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.

  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 2.4 Goods supplied thereunder.

- Goods supplied thereunder.

  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. The Buyer must ensure that the terms of any order or related document are complete and accurate. 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. 2.6
- 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.

  DESCRIPTION

- The description of the Goods shall be as set out in the Company's price list.
- The uescription of the Goods shall be as set out in the Company aprice list.

  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.

  The Buyer should always ensure that the Goods ordered are suitable for the intended purpose before commencing installation, bulk production or investment in tooling.
- 3.3

- Unless otherwise agreed in writing by the Company delivery of the Goods shall take place at the
- address detailed in the Buyer's order.

  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.
- 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 4.3 Buyer to terminate the Contract.
- Buyer to terhinate the Contract.

  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 lincluding loss or damage caused by negligence; the Goods will be deemed to have been delivered; and the Company may store the Goods until deliverely whereupon the Buyer will be liable for all related costs and expenses fincluding without limitation storage and insurance). The Buyer will provide at its expense at the Delivery Point adequate and appropriate equipment and
- manual labour for loading the Goods. 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 4.6 reject the other instalments.

#### NON-DELIVERY

- The quantity of any consignment of Goods as recorded by the Company upon despatch from the
- The quantity of any consignment of doods as recorded by the Company upon despace. From the Company's place of business shall be conclusive evidence of the quantity received by the Buyer. 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.

  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 5.2
- 5.3

- The Goods are at the risk of the Buyer from the time of delivery.
- 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.

  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 lat no cost to the Company's property; not destroy, or so that they remain readily identifiable as the Company's property; not destroy, the Company is property; not destroy, and the company is property; not destroy, the company is property; not destroy, and the company is property; not destroy, the company is property; not destroy, and the company is property in the company is property; not destroy, and the company is property in the company is property. 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.]

  The Buyer may resell the Goods before ownership has passed to it on the following conditions:

- The Buyer may resell the Goods before ownership has passed to it on the following conditions: any sale shall be effected in the ordinary course of the Buyer's business at full market value; and 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.

  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.

  The Buyer's right to possession of the Goods shall terminate immediately if: the Buyer has a bankruptcy order made against him or makes an arrangement or composition with his creditors, or thereins a known composition of the Goods is a constant of the Goods and the good of the Goods and the Goods of the Goods o
- the buyer has a bank uptcy order hade against hint of makes an arrangement or composition with mistoreditors, 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 the Buyer and the Buyer are the Buyer and the Buyer and the Buyer buy 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

- 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.

  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 to possession has terminated, to recover them

- Unless otherwise agreed by the Company in writing (and except in cases of obvious error) the price for

- 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. 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. 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. 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. The price for the Goods shall be exclusive of any value added tax which shall be paid at the rate and in
- 7.5 The price for the Goods shall be exclusive of any value added tax which shall be paid at the rate and in
- 7.6
- The price for the obods shatu be exclusive or any value added tax which shat be paid at the rate and in the manner for the time being provided by law.

  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. 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. days. Betv PAYMENT

- **8.** 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.

  No payment shall be deemed to have been received until the Company has received cleared funds. All payments payable to the Company under the Contract shall become due immediately upon termination of this Contract despite any other provision.
- 84
- termination of this Contract despite any other provision.

  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. If the Buyer mill be 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. 8.5

#### QUALITY

- **QUALITY**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.

  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 lif 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.
- Goods to the Company's place of business at the Buyer's expense for the examination to take place. 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 nonel good trade practice; or the Buyer alters or repairs such Goods without the written consent of the Company.

  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 for 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, 9.3
- 9.4 at the Buyer's expense, return the Goods or the part of such Goods which is defective to the Company. If the Company complies with Condition 9.4 it shall have no further liability for a breach of the warrant in Condition 9.1 in respect of such Goods.
- 96

- Where a defect is discovered the Buyer will inform the Company immediately notwithstanding the expiry of the warranty period in Condition 9.2.

  LIMITATION OF LIABILITY (The Buyer's attention is drawn to the provisions of this Condition)

  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 subon the company including any lability 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. 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. 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. Subject to Conditions 10.2 and 10.3:

- 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 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
- 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 INTELLECTUAL PROPERTY

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. FORCE MAJEURE

- 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) it is calacted the Collinary of the Calacter the Collinary 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.
- GENERAL
- 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.
- 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.
- ire or delay by the Company in enforcing or partially enforcing any provision of the Contra 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.
- The parties to this Contract do not intend that any term of this Contract will be enforceable by virtue of
- The parties to this Contract do not intend that any term of ints Contract will be enforceable by virtue or the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it. 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. 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.

## **Collingwood Lighting**

Brooklands House, Sywell Aerodrome Sywell Northampton, NN6 0BT

- t +44 (0) 1604 495 151
- **f** +44 (0) 1604 495 095
- e sales@collingwoodgroup.com
- $\boldsymbol{w} \ \text{collingwoodlighting.com}$

Published September 2018















