

COLLINGWOOD
LIGHTING

EDITION 18

NEW STRIP LIGHTS FOR 2015

Introducing Collingwood Lighting's new range of LED strip.

The LED3528, LEDIP3528, LEDIP5050 & LED5050RGB are a quick yet durable way of creating stunning results. Great for signs, pelmets, stairs and walls in indoor and outdoor environments, and due to its 'next generation' current regulation technology, long lengths up to 20m suffer absolutely no light loss.



SPLASH PROOF
BESPOKE CUT LENGTHS
CURRENT REGULATED
ADHESIVE BACKING
FLEXIBLE



Find inspirational images of our strip products on pages 12-14, 30, 33, 36, 39, 43-48

For technical information on our new strip lights see pages 161-167

For more information visit our website **collingwoodlighting.com**
or scan the QR code to view our bespoke strip leaflet



Established 1901

7 YEAR EXTENDED WARRANTY

Collingwood Lighting offers a free 7 year extended warranty on all products carrying the G7 symbol. You can register either by contacting the sales team on 01604 495151 or by visiting collingwoodlighting.com.

All applications, once accepted and processed will receive confirmation and a unique reference number for future claims.

All products come with a guarantee for 12 months from purchase, unless otherwise stated.

Any modifications made to our products may invalidate the warranty.

All specifications are believed to be valid at time of going to press and are subject to change without notice.

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

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GL050

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APPLICATIONS



Living Spaces page 6

Choose from an extensive range of LED downlights, strip and wall lights to provide the perfect mix of task and ambient lighting.



Bar/ Restaurant page 43

Use strip lights to accentuate the bar area, and colour change to create mood lighting. Ground lights can be used as edging, and downlights can be used to highlight focal points.



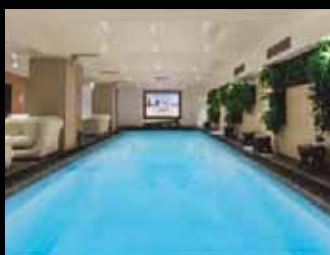
Garden page 16

Choose up & down wall lights to light an area, and ground lights to highlight garden features or mark out pathways. Spike lights for lighting flower beds or uplighting trees.



Public Places page 50

Up & down wall lights cast plenty of light for a high level output, while wall washing light bars cast a soft glow to accentuate details. Ground lights highlight focal points or act as markers, and colour change products can create great mood lighting for any situation.



Swimming Pool page 30

Up & down wall lights are ideal, casting plenty of light in the surrounding area, and low glare downlights can add a soft glowing light, while ground lights are great as markers. Use colour change products to give you whatever look you desire for your pool.



Retail page 57

Show your products in the best possible light with downlights to give out the perfect level of lighting and adjustable lights to highlight focal points. LED strip will add subtle emphasis to shelves and service desks for an understated but sophisticated look.



Hotel page 33

Select adjustable downlights for ambient light and colour change products to create mood lighting perfect for special events. Use LED strip to enhance key areas such as reception desks and fibre optic downlights to create a beautiful, understated look for function rooms.

COLLINGWOOD LIGHTING APPLICATIONS





Private residence - Moulton

Create this look by using:

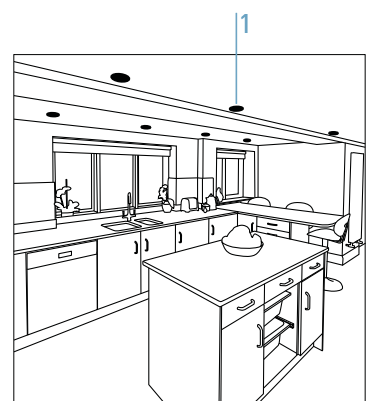


1. [page 69](#)
H2 PRO 60°



1. [page 72](#)
H4 FF 60°

To create a similar look you can also use:





Private residence - Albertville

Create this look by using:

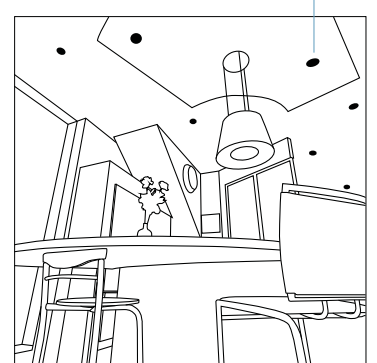


1. [page 69](#)
H2 PRO 60°

To create a similar look you can also use:



1. [page 72](#)
H4 FF 60°





Private residence

Create this look by using:

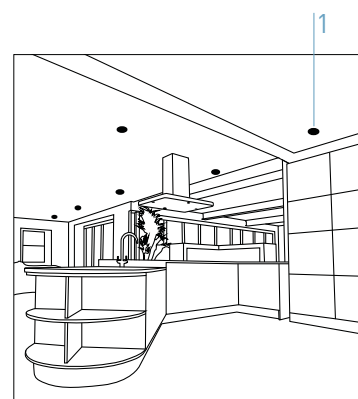


1. [page 69](#)
H2 PRO 38°

To create a similar look you can also use:



1. [page 71](#)
H4 FF 38°





Private residence

Create this look by using:



1. [page 71](#)
H4 FF 38°
(BACK WALL)



2. [page 72](#)
H4 FF 60°
(MAIN ROOM)

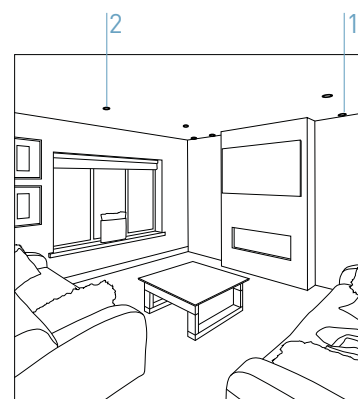
To create a similar look you can also use:



1. [page 77](#)
H5 500 ASYMMETRIC



2. [page 76](#)
H5 500 SYMMETRIC





Private residence

Create this look by using:

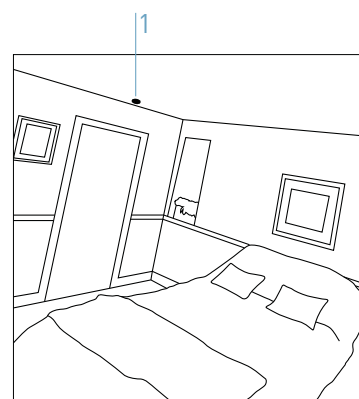


1. [page 72](#)
H4 FF 60°

To create a similar look you can also use:



1. [page 69](#)
H2 PRO 60°





Private residence - Courchevel

Create this look by using:

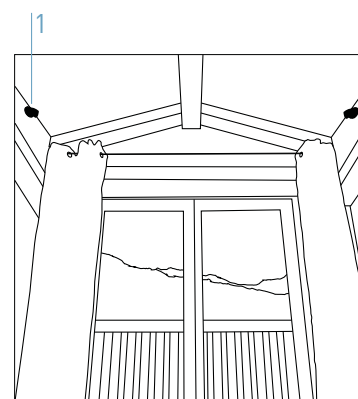


1. [page 144](#)
MF02 IP

To create a similar look you can also use:



1. [page 185](#)
UL010





Private residence

Create this look by using:



1. page 69
H2 PRO 38°



2. page 154
LEDSTRIP IP

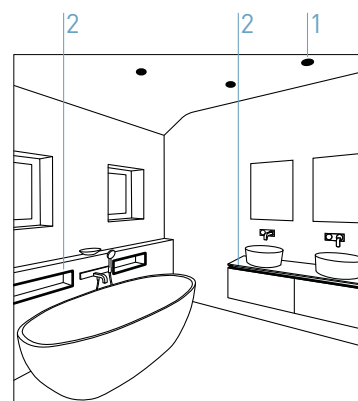
To create a similar look you can also use:



1. page 75
H5 500
TRIMLESS



2. page 152
STARSTRIP





Private residence

Create this look by using:



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



2. [page 154](#)
LEDSTRIP IP

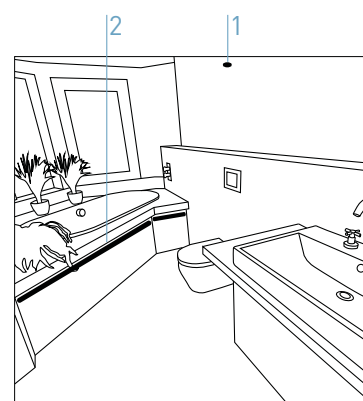
To create a similar look you can also use:



1. [page 75](#)
H5 500 TRIMLESS



2. [page 164](#)
LEDIP3528





Private residence

Create this look by using:



1. page 74
H4 EYEBALL



2. page 154
LEDSTRIP IP

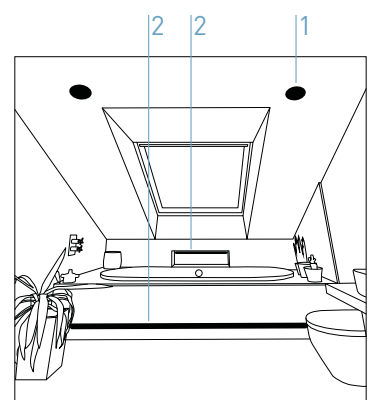
To create a similar look you can also use:



1. page 72
H4 FF 60°



2. page 164
LEDIP3528





Private residence

Create this look by using:



1. page 69
H2 PRO 38°



2. page 187
LEDLYTE IP



3. page 115
GL019 S

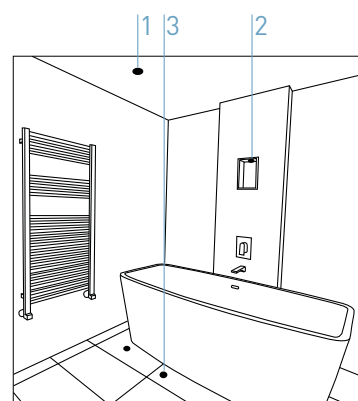
To create a similar look you can also use:



1. page 68
H2 LITE



3. page 110
GL050





Private residence

Create this look by using:



1. [page 132](#)
MC050



2. [page 213](#)
GL016 F RGB



3. [page 217](#)
UL030 RGB

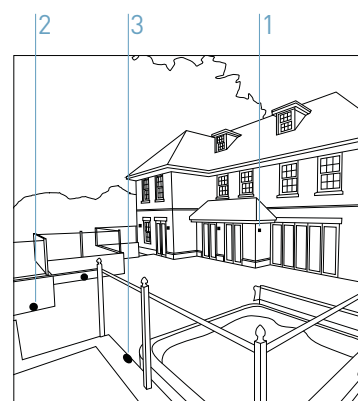
To create a similar look you can also use:



1. [page 131](#)
WL075A



2. [page 212](#)
GL050 RGB





Private residence

Create this look by using:



1. [page 107](#)
GL038A



2. [page 130](#)
WL070A



3. [page 181](#)
LEDLINE 400 110

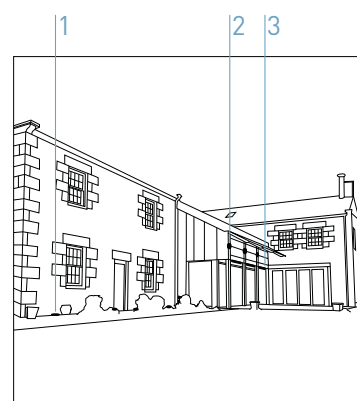
To create a similar look you can also use:



1. [page 109](#)
GL040



2. [page 132](#)
MC050





Private residence

Create this look by using:



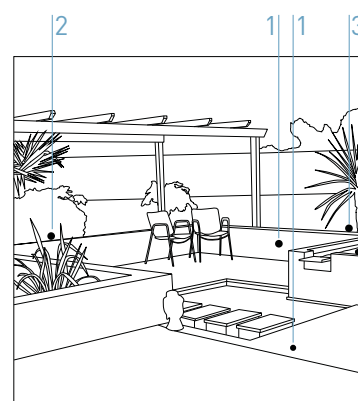
1. [page 110](#)
GL050



2. [page 184](#)
UL030



3. [page 196](#)
SL220A





Private residence

Create this look by using:



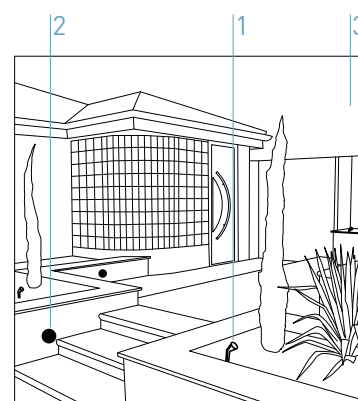
1. [page 219](#)
SL220A RGB



2. [page 129](#)
GL034A



3. [page 298](#)
SL030





Private residence

Create this look by using:



1. [page 198](#)
SL030



2. [page 109](#)
GL040

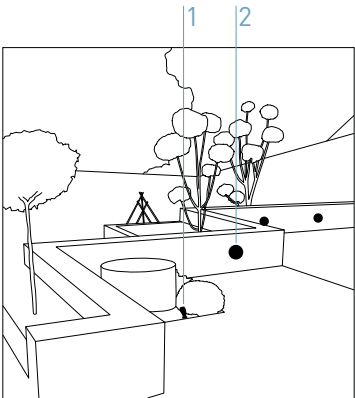
To create a similar look you can also use:



1. [page 196](#)
SL220A



2. [page 108](#)
GL090





Private residence

Create this look by using:



1. page 210
GL090 RGB



2. page 110
GL050

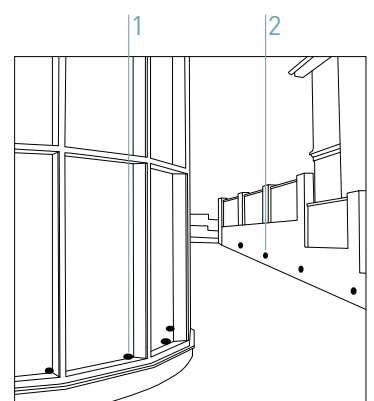
To create a similar look you can also use:



1. page 211
GL040 RGB



2. page 113
GL021





Private residence

Create this look by using:

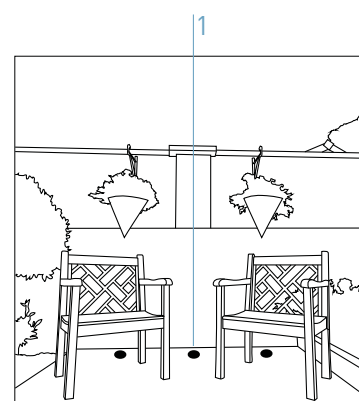


1. [page 107](#)
GL038A

To create a similar look you can also use:



1. [page 109](#)
GL040





Private residence

Create this look by using:

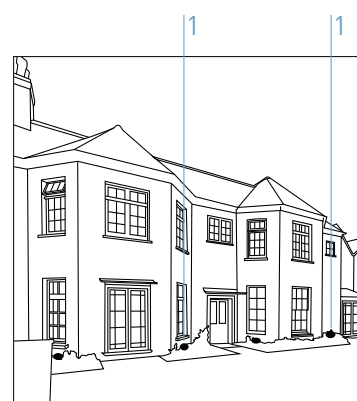


1. [page 107](#)
GL038A

To create a similar look you can also use:



1. [page 109](#)
GL040





Private residence - Kent

Create this look by using:



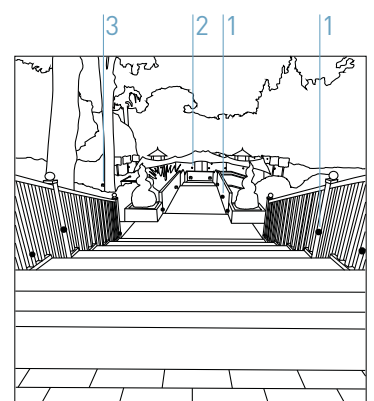
1. [page 129](#)
GL034A



2. [page 112](#)
GL016F AB



3. [page 194](#)
SL040A





Private residence

Create this look by using:



1. [page 142](#)
MC020 S

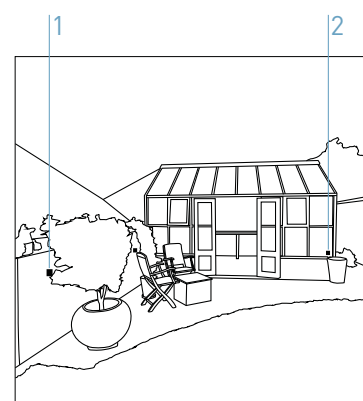


2. [page 185](#)
UL010

To create a similar look you can also use:



1. [page 134](#)
OCTOLED





Private residence

Create this look by using:



1. [page 129](#)
GL034A



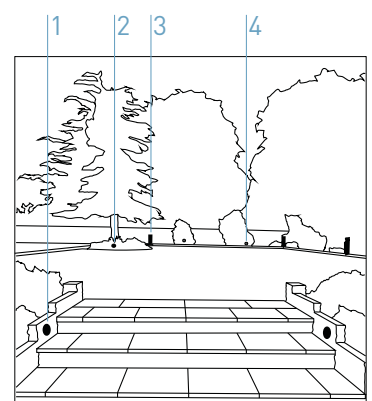
2. [page 180](#)
FL200



3. [page 203](#)
BOL LED 030 24V



4. [page 198](#)
SL030





Private residence

Create this look by using:

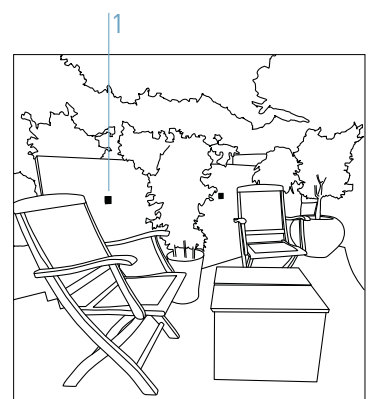


1. [page 142](#)
MC020 S

To create a similar look you can also use:



1. [page 134](#)
OCTOLED





Private residence - Kent

Create this look by using:



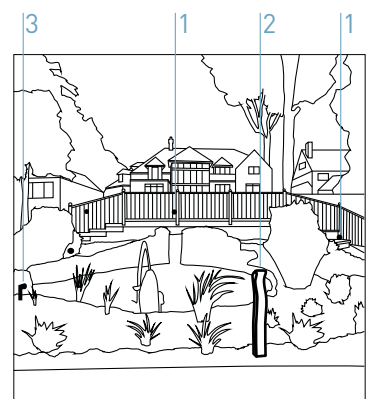
1. [page 129](#)
GL034A



2. [page 112](#)
GL016F AB



3. [page 194](#)
SL040A





Private residence

Create this look by using:



1. [page 196](#)
SL220A



2. [page 182](#)
LEDLINE 400 45

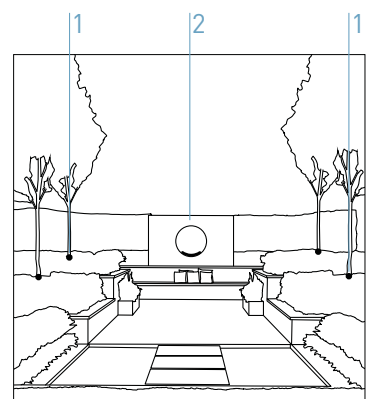
To create a similar look you can also use:



1. [page 194](#)
SL040A



1. [page 180](#)
FL200





Private residence

Create this look by using:



1. page 130
WL070A



2. page 109
GL040 F



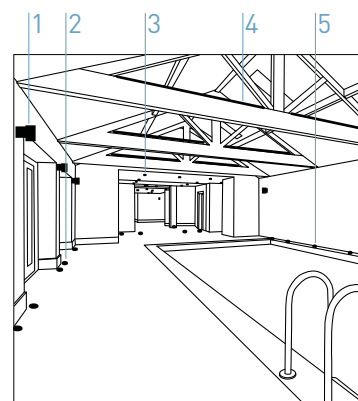
3. page 69
H2 PRO 60°



4. page 164
LEDIP3528



5. page 111
GL016 F





Physiotherapist - Barberaz

Create this look by using:

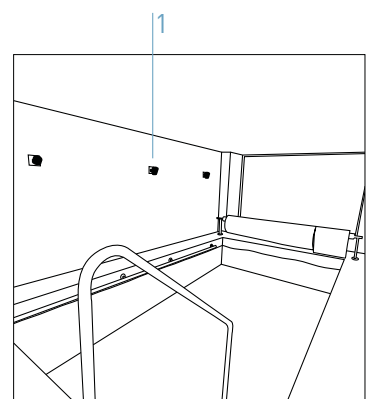


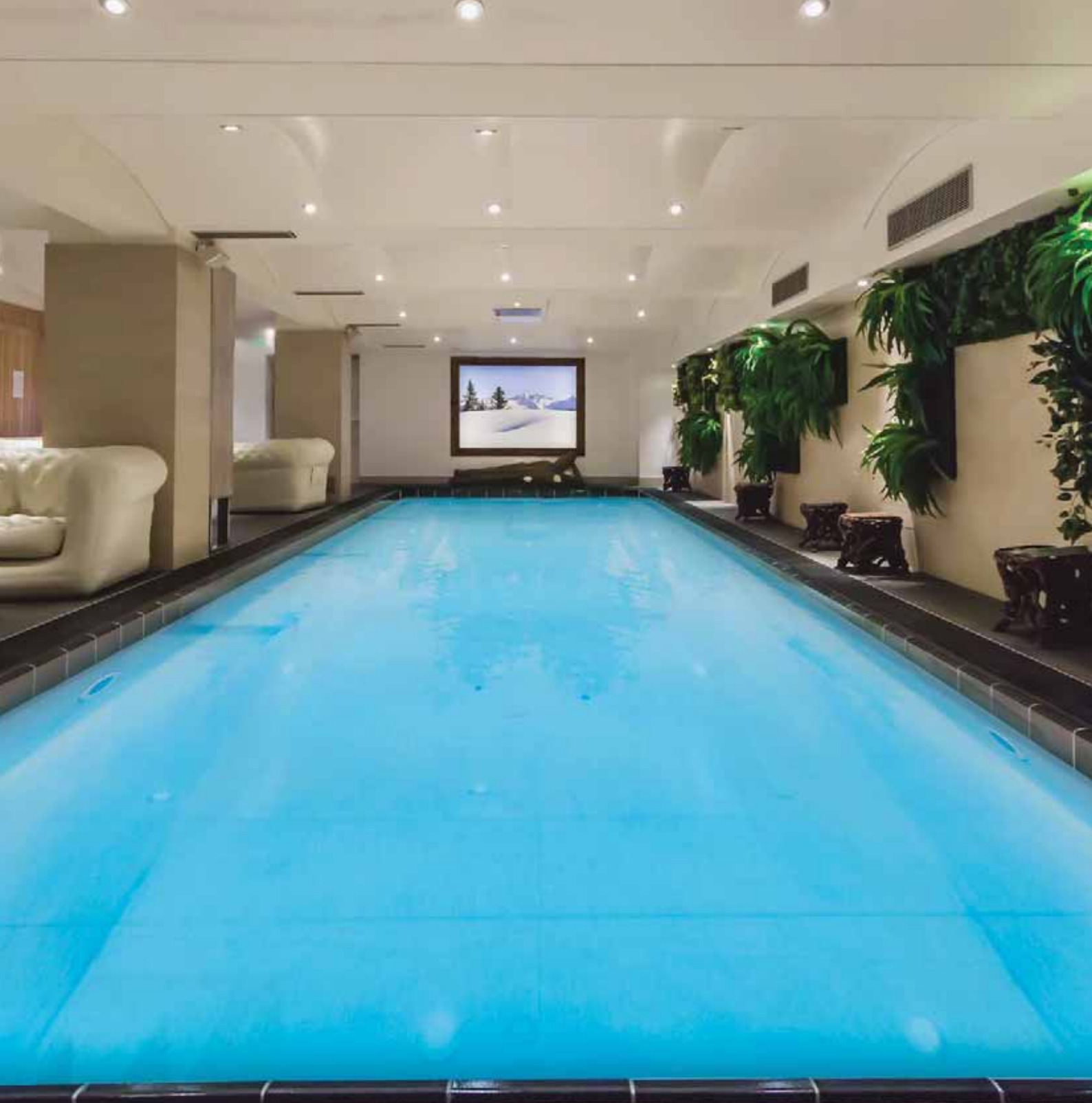
1. [page 184](#)
UL030

To create a similar look you can also use:



1. [page 182](#)
LEDLINE 400 45





Hotel - Val d'Isère

Create this look by using:

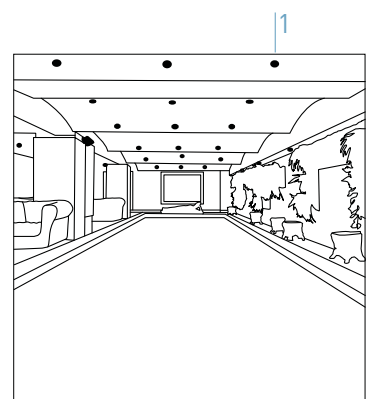


1. page 69
H2 PRO 38°

To create a similar look you can also use:



1. page 76
H5 500 SYM





Highgate House - Northamptonshire

Create this look by using:



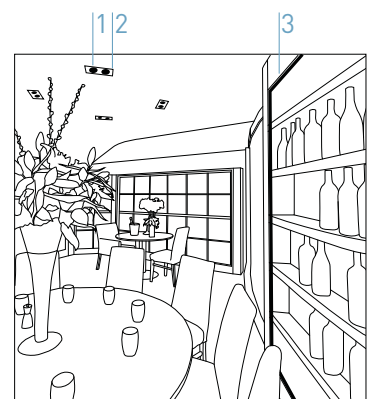
1. page 96
DL111



2. page 97
AR220



3. page 161
LED3528





The Halston Aparthotel - Carlisle

Create this look by using:



1. [page 69](#)
H2 PRO 60°



2. [page 88](#)
DL PENDANT

To create a similar look you can also use:



1. [page 72](#)
H4 FF 60°





Raithwaite Hall - Whitby

Create this look by using:



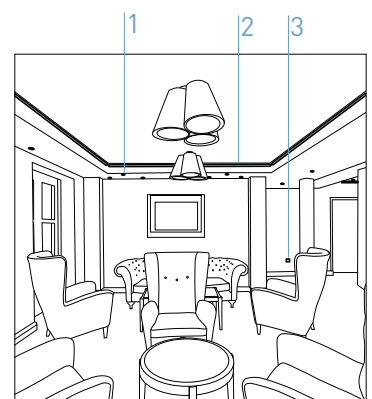
1. [page 71](#)
H4 FF 38°



2. [page 227](#)
STARSTRIP RGB



3. [page 139](#)
WL050





Carbis Bay - St Ives

Create this look by using:



1. [page 69](#)
H2 PRO



2. [page 109](#)
GL040

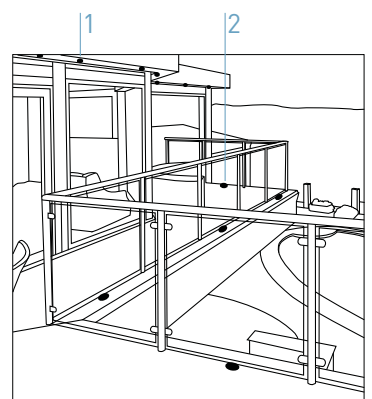
To create a similar look you can also use:



1. [page 68](#)
H2 LITE



1. [page 108](#)
GL090





Hotel - Aix en Provence

Create this look by using:



1. page 198
SL030



2. page 110
GL050

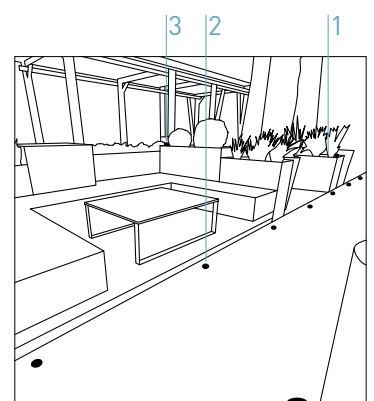


3. page 196
SL220A

To create a similar look you can also use:



2. page 119
GL018





Hotel - Val d'Isère

Create this look by using:



1. [page 69](#)
H2 PRO 38°



2. [page 226](#)
LED5050RGB

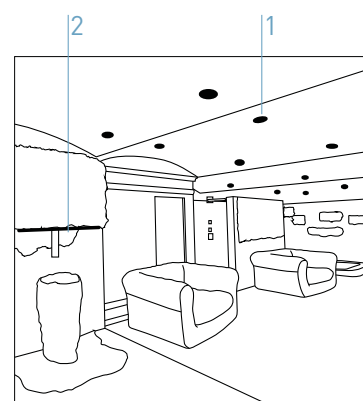
To create a similar look you can also use:



1. [page 71](#)
H4 FF 38°



2. [page 227](#)
STARSTRIP RGB





Hotel - Val d'Isère

Create this look by using:



1. page 99
LL030 A

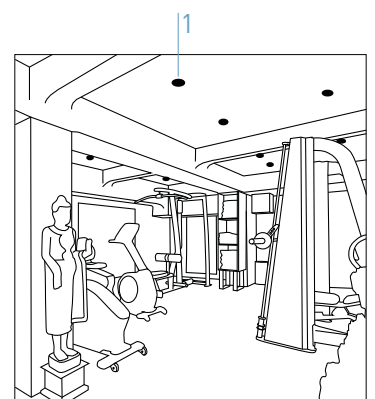
To create a similar look you can also use:



1. page 69
H2 PRO 38°



1. page 71
H4 FF 38°





Hotel - Aix en Provence

Create this look by using:



1. page 110
GL050



2. page 198
SL030



3. page 196
SL220A

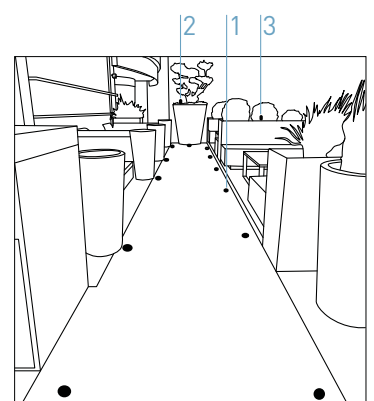
To create a similar look you can also use:



1. page 119
GL018



2. page 185
UL010





Physiotherapist - Albertville

Create this look by using:

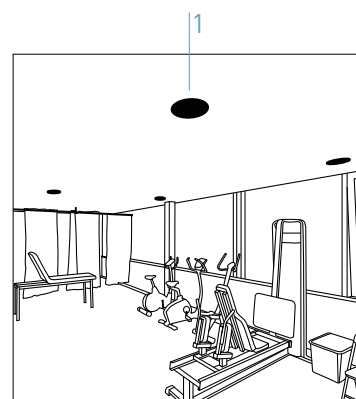


1. [page 80](#)
H6

To create a similar look you can also use:



1. [page 96](#)
DL111 45°





Barnsley Premier Leisure

Create this look by using:



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



2. [page 227](#)
STARSTRIP RGB

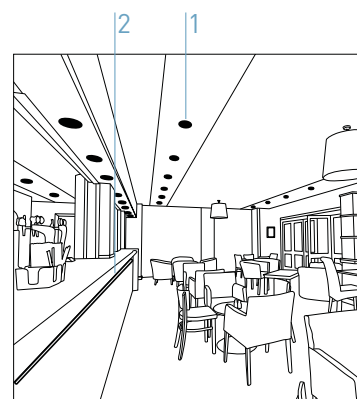
To create a similar look you can also use:



1. [page 96](#)
DL111 45°
+ AR119



2. [page 226](#)
LED5050RGB





The Halston Aparthotel - Carlisle

Create this look by using:



1. page 76
H5 500 SYM

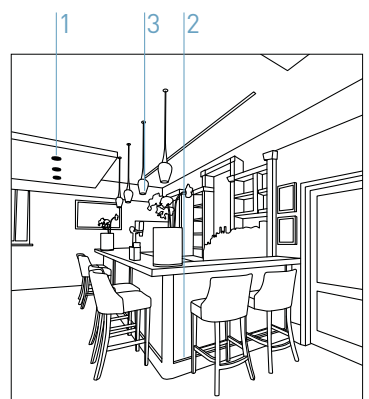


2. page 161
LED3528



3. page 88
DL PENDANT

To create a similar look you can also use:





Lourenzo's - Dumfermline

Create this look by using:



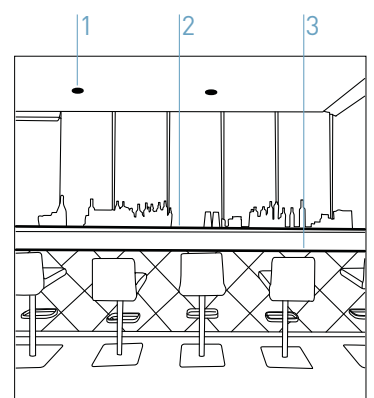
1. [page 75](#)
H5 500 TRIMLESS



2. [page 226](#)
LED5050RGB



3. [page 164](#)
LEDIP3528





Aakash Restaurant - Cleckheaton

Create this look by using:



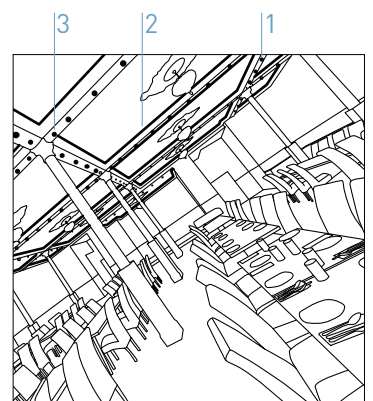
1. page 69
H2 PRO 60°



2. page 226
LED5050RGB



3. page 99
LL030A RGB





Dunton Caravan Park - Essex

Create this look by using:



1. page 69
H2 PRO 38°



2. page 165
LEDIP5050

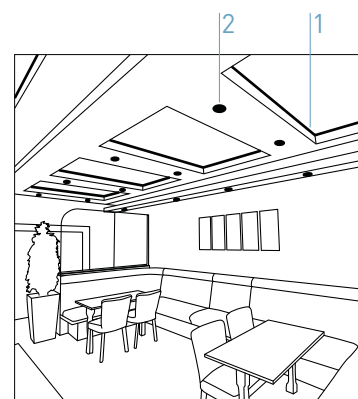
To create a similar look you can also use:



1. page 71
H4 FF 38°



2. page 161
LED3528





Aakash Restaurant - Cleckheaton

Create this look by using:



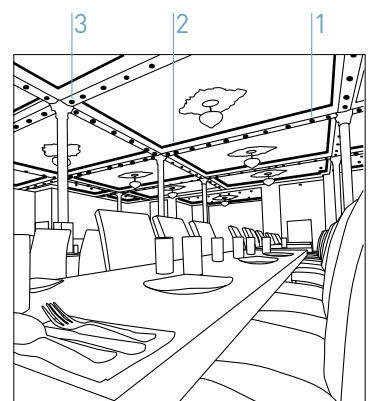
1. [page 69](#)
H2 PRO 60°



2. [page 226](#)
LED5050RGB



3. [page 99](#)
LL030A RGB





The Star Inn The City - York

Create this look by using:



1. page 203
BOL LED 030 24V



2. page 130
WL170A

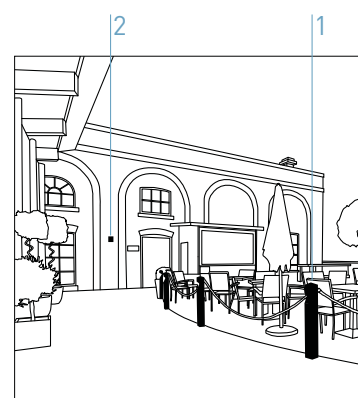
To create a similar look you can also use:



1. page 202
BOL LED 030 MAINS



2. page 132
MC050





Castle Howard - York

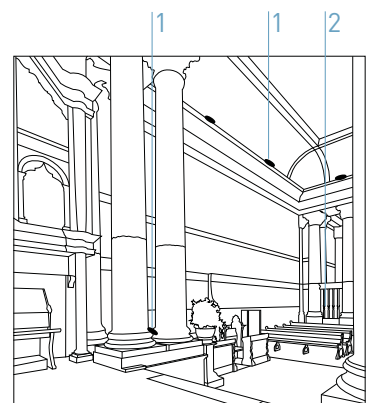
Create this look by using:



1. [page 180](#)
FL200



2. [page 152](#)
STARSTRIP





Church - Val d'Isère

Create this look by using:

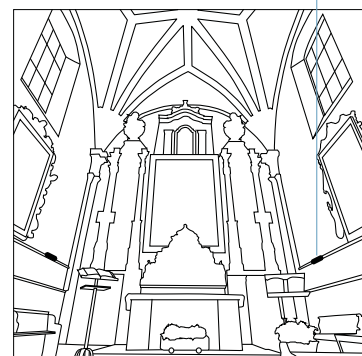


1. [page 180](#)
FL200

To create a similar look you can also use:



1. [page 183](#)
LEDLINE 400 25X6





Bradford University

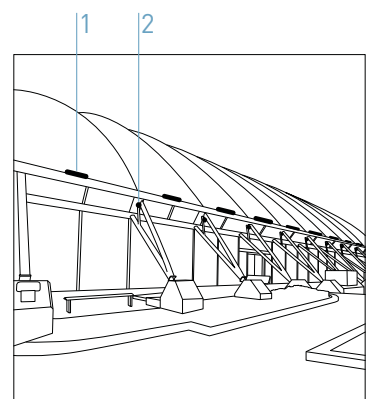
Create this look by using:



1. [page 225](#)
LEDLINE 400 25X6 RGB



2. [page 217](#)
UL030 RGB





Kenneth House - Leeds

Create this look by using:



1. [page 183](#)
LEDLINE 400 25X6

To create a similar look you can also use:



1. [page 180](#)
FL200





Errol Flynn Cinema - Northampton

Create this look by using:



1. [page 69](#)
H2 PRO 38°



2. [page 138](#)
WL041 IP

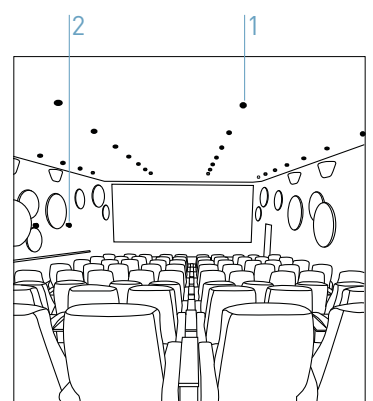
To create a similar look you can also use:



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



2. [page 134](#)
OCTOLED





Monastery - Moustiers-Sainte-Marie

Create this look by using:



1. [page 145](#)
MS02 IP



2. [page 182](#)
LEDLINE 400 45

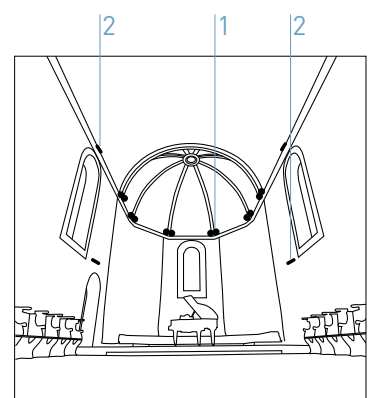
To create a similar look you can also use:



1. [page 185](#)
UL010



2. [page 180](#)
FL200





Canalside Sports Complex - Huddersfield

Create this look by using:



1. page 69
H2 PRO 38°



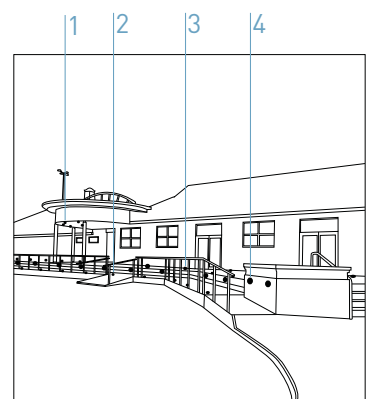
2. page 110
GL050



3. page 109
GL040



3. page 129
GL034A





Kings Coffee Shop - Retford

Create this look by using:



1. page 69
H2 PRO 60°

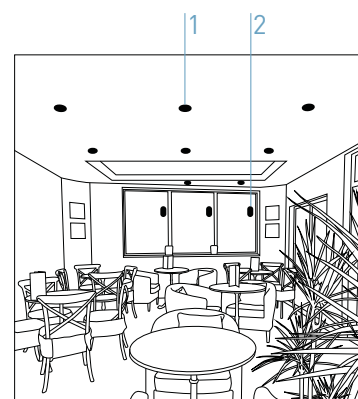
To create a similar look you can also use:



1. page 76
H5 500 SYM



2. page 130
WL070A





Retail - Albertville

Create this look by using:

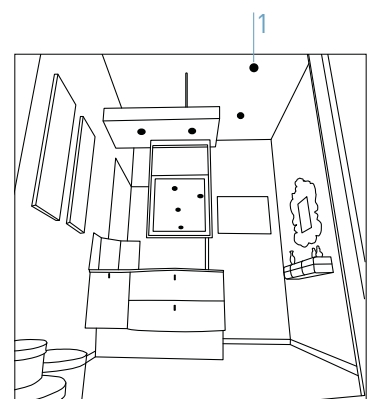


1. page 71
H4 FF 38°

To create a similar look you can also use:



1. page 69
H2 PRO 38°





Retail - Albertville

Create this look by using:



1. page 69
H2 PRO 38°

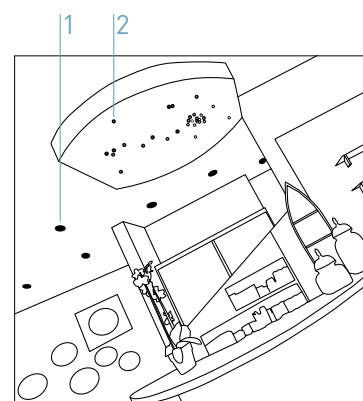


2. page 91
FIBRE LED LIGHT

To create a similar look you can also use:



1. page 71
H4 FF 38°



WHAT IS AN LED?

LEDs are essentially small complex semiconductors, meaning they are a very efficient source of light. The internal structure of the LED converts electrical energy into light. Modifying this internal structure allows the LED to be tailored to create many variations of colour, light quality and brightness, all of which mean LEDs are highly efficient, flexible, dynamic and robust light sources.

While robust and efficient, as a result of the electrical energy input, a by-product of heat is generated. As heat will quickly degrade the LED and reduce the amount of light emitted, it is the main challenge of lighting designers and manufacturers to remove this heat quickly and efficiently.

One of Collingwood's main strengths is that all products are designed from the ground up around the LED, ensuring that this heat is quickly removed. The result is that the LED retains its maximum light output, ensuring the energy saving benefits of Collingwood LED products are maximised throughout the products lifetime.

7 YEAR WARRANTY

Collingwood Lighting offers a free 7 year warranty on all products carrying the G7 symbol. You can register either by contacting the sales team on 01604 495151 or by visiting collingwoodlighting.com.

All applications, once accepted and processed will receive confirmation and a unique reference number for future claims.



COLLINGWOOD LIGHTING

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

We're designers and makers – insightful, agile and inventive. We're driven to seek the smartest, most effective ways of doing things. To making brilliant products and delivering outstanding service, and to being the first and best choice for our customers.

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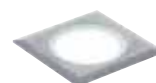
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GROUND LIGHTS

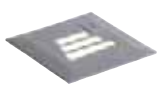
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Downlights

Why choose Collingwood downlights?

Halers LED downlights have been designed to ensure the best performance is achieved using only the best components. Conforming to the latest building regulations ensures a wide range of installations can be met, along with a comprehensive range of styles, finishes and LED colours to suit all tastes. Collingwood Lighting is so confident in the Halers range of products that they offer a 7 year extended warranty for peace of mind.

Collingwood downlights provide both functional and decorative solutions to your lighting schemes. Recessing downlights is not always an option, so with a surface mounted LED downlight you get the best of both worlds. You can choose from a comprehensive range of styles, finishes and LED colours to suit all tastes. Collingwood Lighting is so confident in their products they offer a 7 year extended warranty for peace of mind.

38° vs 60°

Choosing the right beam angle plays an important part in your lighting design. For this reason Collingwood lighting offers the choice of two beam angles when using the Halers H2 Pro and H4 FF- a 38° and 60°. The 60° beam angle allows the products to be fitted 1.6m apart instead of the usual 1.2m, creating a more uniform spread of light and enabling light to be projected much higher at wall level. All this can help reduce the number of fittings required and produce a different quality of light.

Fire rated

Building Regulations ensure that you get the right product for the job. Collingwood Lighting has designed the Halers range with this in mind. Firerated to 30, 60 and 90 minutes gives you the confidence that you are choosing the right product to protect you and meet any special requirements for your installation needs.

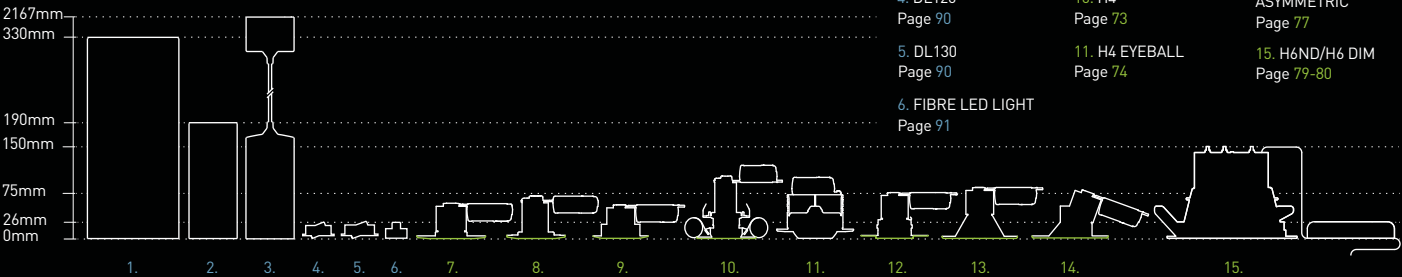
LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



Size Comparison

Downlights















































































































































Downlights

Consummate, resourceful, superior

Winners of the Green Apple Award for 'Environmental best practice' and highly commended for 'Innovative lighting product of the year' by the electrical industry. The Halers range offers the perfect downlight solutions. Collingwood lighting also offers a decorative and functional range of LED downlights. Including surface mount, recessed and pendants. All made to the highest quality using aluminium and offering several LED colours.

Use our quick comparison table to find which products in our range offer the features needed to create the perfect install. We also offer LED replacement units which can be found on pages 94-99

	H2 LITE	H2 PRO	H4 FF	H4 EYEBALL	H5 500 TRIMLESS	H5 500 SYM	H5 500 ASYM	H6ND	H6 DIM	DL SURFACE	DL PENDANT	DL 120	DL 130	FIBRE LED LIGHT
														
	Page 68	Page 69	Page 71-72	Page 74	Page 75	Page 76	Page 77	Page 79	Page 80	Page 87	Page 88	Page 90	Page 90	Page 91
Dimmable														
Fire-rated														
Tilt angle 20°														
IP rated														
Beam angle options														
LED colour options														
Bezel finish options														
Recessed														
Low Glare														

*Driver dependant. Please refer to collingwoodlighting.com

DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912
GB2462155

H2 Lite

FIRE-RATED LED DOWNLIGHT

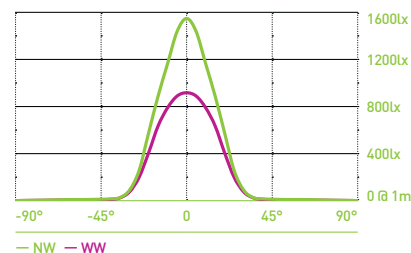


Features & Benefits

- 30, 60 & 90 minute fire rating
- Adjustable driver position for easy installation
- Equivalent to 35W Halogen
- Low profile, only 58mm height

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	B/Steel	DL280BSNW	38°	7.9W	L70, B10 70,000hrs	>70Ra	450	57	1586
	Chrome	DL280CRNW							
	White	DL280WHNW							
WW / 3000K	B/Steel	DL280BSWW				>85Ra	330	42	922
	Chrome	DL280CRWW							
	White	DL280WHWW							



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy)
Construction material	Mild Steel / Aluminium
Cut-out (mm)	65-92
Face temperature when lit (°C)	50
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	300

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz, 80-240V DC

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	No	N/A	N/A	N/A

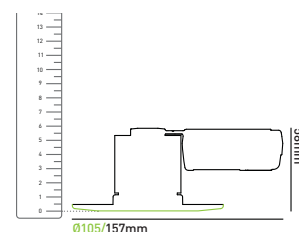
ACCESSORIES

Product code	Description	
DLCONVERT63	Hole converter plate for H2 Lite	78
LEDEP05	3 hour maintained through hole emergency pack	84

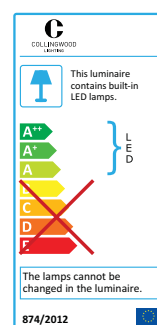
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent Nos: GB2462155

H2 Pro

DIMMABLE FIRE-RATED LED DOWNLIGHT

Bezels sold separately

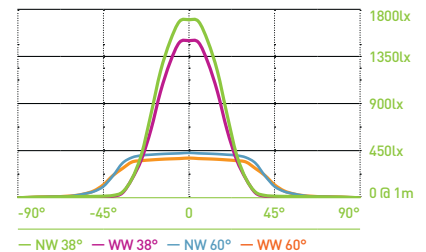


Features & Benefits

- 30, 60 & 90 minute fire rating
- Equivalent to 50W Halogen
- Flexible driver position for easy installation
- Low profile depth - 70mm

PHOTOMETRICS @ 25°C

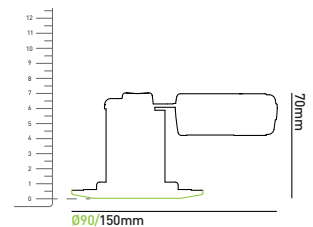
Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	N/A	DLP38NWDIM	38°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	1700
	N/A	DLP60NWDIM	60°				565	66	430
WW / 3000K	N/A	DLP38WWDIM	38°				530	62	1500
	N/A	DLP60WWDIM	60°				530	62	380



GENERAL

Bathroom zone	1 (ceiling only)
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
Cut-out (mm)	60-70
Face temperature when lit (°C)	35
IP rating	65
Maximum ambient temperature (ta = °C)	40
Maximum ceiling thickness (mm)	40
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	300

Dimensions



WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	1	N/A	N/A

ACCESSORIES

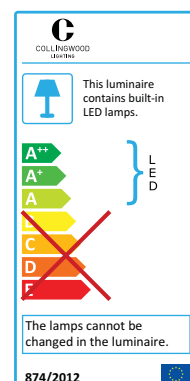
Product code	Description	
H2 Pro Bezels	Round & Square H2 Pro bezel options	70
DLCONVERT70	Large hole converter plate for H2 Pro/H4 FF	78
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

WARRANTY

1 year (7 year extended warranty available)

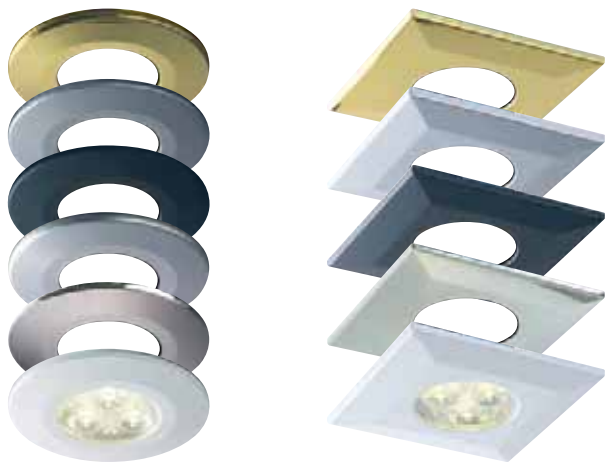
2

Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



H2 Pro bezels

H2 PRO BEZEL OPTIONS

Features & Benefits

Can be applied after decoration is complete

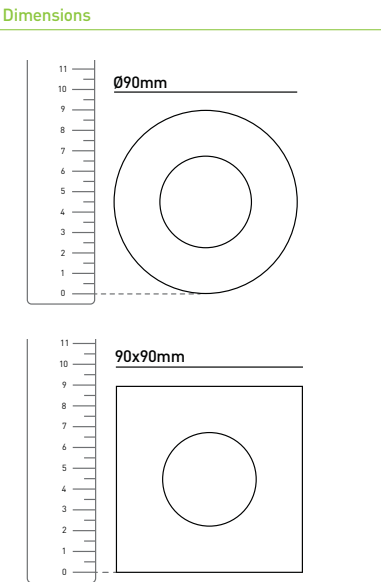
Black/Primed bezel can be painted with a wide range of paints designed for domestic ceiling use

PRODUCT DATA		
Finish	Product code	Description
Black	BEZELBLK	Round matt black bezel
	BEZELSQBLK	Square matt black bezel
B/Steel	BEZELBS	Round Brushed Steel bezel
Chrome	BEZELCR	Round Chrome bezel
	BEZELSQCR	Square Chrome bezel
P/Gold	BEZELPG	Round Polished Gold bezel
	BEZELSQPG	Square Polished Gold bezel
Silver	BEZELSIL	Round Silver bezel
	BEZELSQSIL	Square Silver bezel
White	BEZELWH	Round White bezel
	BEZELSQWH	Square White bezel

GENERAL	
Bathroom zone	N/A
Construction material	Plastic
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A

WIRING	
Cable	N/A
Series/Parallel	N/A

WARRANTY	
Covered as part of the H2 Pro warranty	



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET

Patent No: GB2462155
GB2487912
Patent Pending: 1401065.6



H4 FF 38°

ADJUSTABLE DIMMABLE FIRE-RATED LED DOWNLIGHT

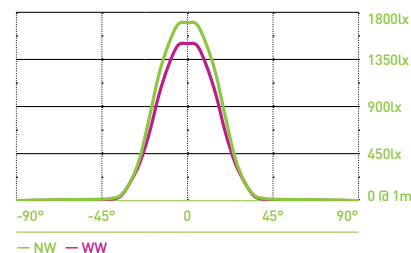


Features & Benefits

- Adjustable to $\pm 20^\circ$ to direct light
- 30, 60 & 90 minute fire rating
- Equivalent to 50W Halogen
- Flexible driver position for easy installation
- Low profile. Only 56mm height

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	B/Steel	H4FF38BSNWDIM	38°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	1700
	Chrome	H4FF38CRNWDIM							
	White	H4FF38WHNWDIM							
WW / 3000K	B/Steel	H4FF38BSWWDIM					530	62	1500
	Chrome	H4FF38CRWWDIM							
	White	H4FF38WHWWDIM							



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Steel / Aluminium
Cut-out (mm)	68-80
Face temperature when lit (°C)	55
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	± 20
Weight (g)	300

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

ACCESSORIES

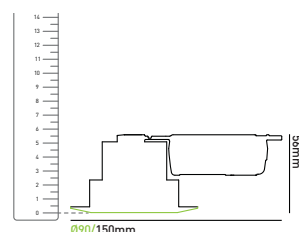
Product code	Description	
DLCONVERT70	Hole converter plate for H4 FF / H2 Pro	78
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

WARRANTY

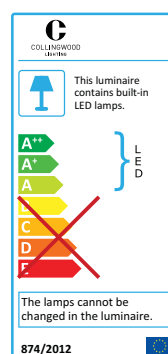
1 year (7 year extended warranty available)

2

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

Patent No: GB2462155
GB2487912
Patent Pending: 1401065.6



H4 FF 60°

ADJUSTABLE DIMMABLE FIRE-RATED LED DOWNLIGHT



Features & Benefits

Adjustable to $\pm 20^\circ$ to direct light

30, 60 & 90 minute fire rating

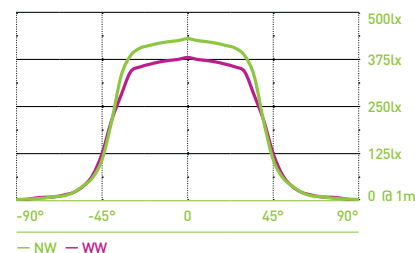
Equivalent to 50W Halogen

Flexible driver position for easy installation

Low profile. Only 56mm height

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx (1m)
NW / 4000K	B/Steel	H4FF60BSNWDIM	60°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	430
	Chrome	H4FF60CRNWDIM							
	White	H4FF60WHNWDIM							
WW / 3000K	B/Steel	H4FF60BSWWDIM					530	62	380
	Chrome	H4FF60CRWWDIM							
	White	H4FF60WHWWDIM							



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy - 2014 regulations)
Construction material	Steel / Aluminium
Cut-out (mm)	68-80
Face temperature when lit (°C)	55
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	± 20
Weight (g)	300

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

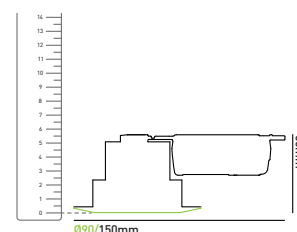
ACCESSORIES

Product code	Description	
DLCONVERT70	Hole converter plate for H4 FF / H2 Pro	78
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

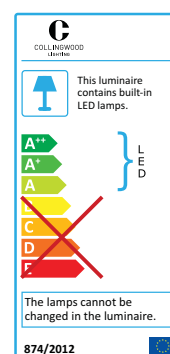
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

H4

LOW GLARE ADJUSTABLE LED DOWNLIGHT



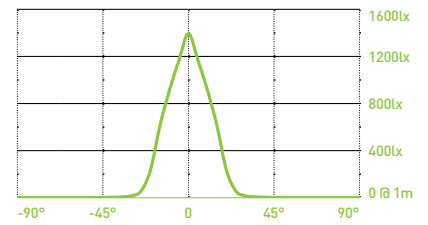
Features & Benefits

- Adjustable, allows angle of light to be changed
- Flexible driver position for easy installation
- Low glare, equivalent to 35W Halogen

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx (1m)
NW / 4000K	Black	DL/01/BLK/NW/DIM*	38°	8.5W	L70, B10 70,000hrs	>70Ra	410	48	1395
	Chrome	DL/01/CR/NW/DIM*							
	Gold	DL/01/PG/NW/DIM*							
	Silver	DL/01/SIL/NW/DIM*							

* While stocks last



GENERAL

Bathroom zone	N/A
Building regulations	P (electrical safety)
Construction material	Mild Steel / Aluminium
Cut-out (mm)	90-100
Face temperature when lit (°C)	20
IP rating	20
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	±20
Weight (g)	400

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

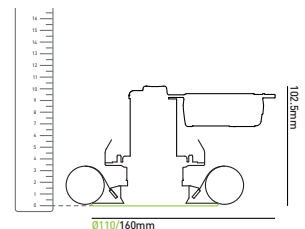
ACCESSORIES

Product code	Description	
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

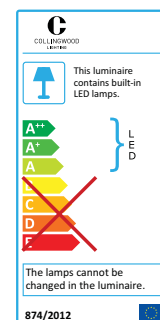
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912
GB2462155

H4 Eyeball

ADJUSTABLE FIRE-RATED LED DOWNLIGHT

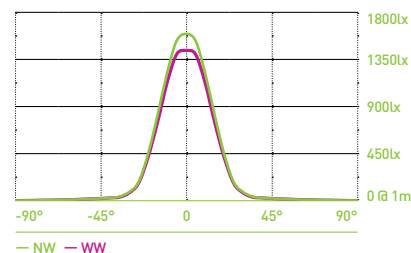


Features & Benefits

- 30, 60 & 90 minute fire rating
- Equivalent to 50W Halogen
- Fully adjustable 'Eyeball' fitting, allows change of light direction
- 2 spring settings for various ceiling thicknesses

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx (1m)
NW / 4000K	B/Steel	DL185BSNWDIM	38°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	1700
	Chrome	DL185CRNWDIM							
	White	DL185WHNWDIM							
WW / 3000K	B/Steel	DL185BSWWDIM	38°	8.5W	L70, B10 70,000hrs	>80Ra	530	62	1500
	Chrome	DL185CRWWDIM							
	White	DL185WHWWDIM							



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy)
Construction material	Mild Steel / Aluminium
Cut-out (mm)	100-110
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	360
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	±20
Weight (g)	500

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

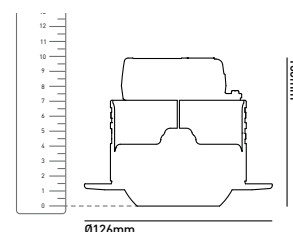
ACCESSORIES

Product code	Description	
DLCONVERT98	Hole converter plate for H4 EYEBALL / H5 500	78
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

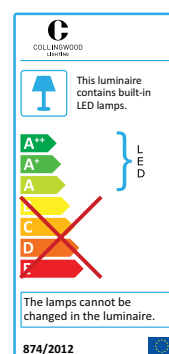
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

H5 500 Trimless

FIRE-RATED, PLASTER IN, TRIMLESS LED DOWNLIGHT

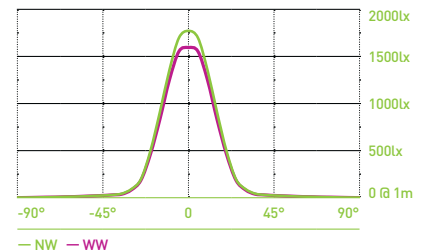


Features & Benefits

- 2 part installation for first and second fix
- 30, 60 & 90 minute fire rating
- Equivalent to 50W Halogen
- Flexible driver position for easy installation
- Plastered in low glare, discreet fitting

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	White	DL282WHNWDIM	38°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	1700
WW / 3000K	White	DL282WHWWDIM					530	62	1500



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy)
Construction material	Mild Steel / Aluminium
Cut-out (mm)	64
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	300

WIRING

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

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

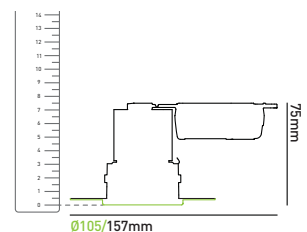
ACCESSORIES

Product code	Description	
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

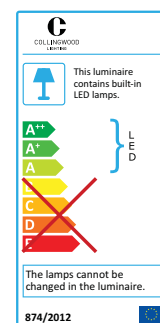
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent Nos: GB2462155
GB2487912

H5 500 Symmetric

LOW GLARE FIRE-RATED LED DOWNLIGHT

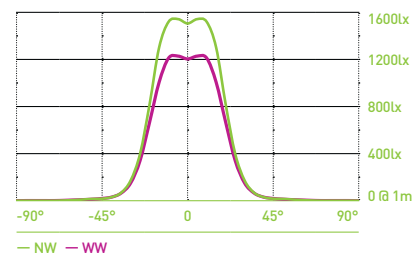


Features & Benefits

- 30, 60 & 90 minute fire rating
- Equivalent to 50W Halogen
- Flexible driver position for easy installation
- Low glare

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	B/Steel	DL284BSNWDIM	40°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	1600
	Chrome	DL284CRNWDIM							
	White	DL284WHNWDIM							
WW / 3000K	B/Steel	DL284BSWWDIM					530	62	1300
	Chrome	DL284CRWWDIM							
	White	DL284WHWWDIM							



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy)
Construction material	Mild Steel / Aluminium
Cut-out (mm)	95-115
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) Driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	300

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

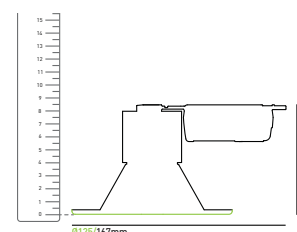
ACCESSORIES

Product code	Description	
DLCONVERT98	Hole converter plate for H5 500 / H4 EYEBALL	78
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

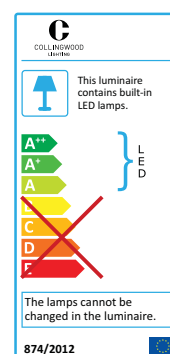
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET

Patent Nos: GB2462155
GB2487912



H5 500 Asymmetric

LOW GLARE FIRE-RATED LED DOWNLIGHT

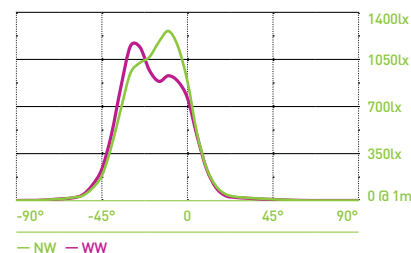


Features & Benefits

- 30, 60 & 90 minute fire rating
- Equivalent to 50W Halogen
- Flexible driver position for easy installation
- Low glare
- Powerful asymmetric illumination

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	B/Steel	DL283BSNWDIM	40°	8.5W	L70, B10 70,000hrs	>80Ra	565	66	1300
	Chrome	DL283CRNWDIM							
	White	DL283WHNWDIM							
WW / 3000K	B/Steel	DL283BSWWDIM					530	62	1220
	Chrome	DL283CRWWDIM							
	White	DL283WHWWDIM							



GENERAL

Bathroom zone	1 (ceiling only)
Building regulations	Part B (fire protection), C (moisture protection), E (acoustic protection), P (electrical safety) and L (conservation of energy)
Construction material	Mild Steel / Aluminium
Cut-out (mm)	95-115
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	20
Weight (g)	300

WIRING

Cable/flying lead (m)	0.15 (Class II)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

ACCESSORIES

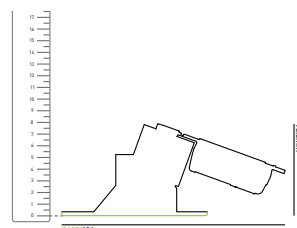
Product code	Description	
DLCONVERT98	Hole converter plate for H5 500 / H4 EYEBALL	78
DM298GRID	Mains grid dimmer	83
LEDEP05	3 hour maintained through hole emergency pack	84

WARRANTY

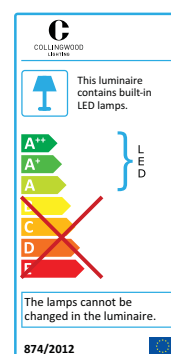
1 year (7 year extended warranty available)

2

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

DLCONVERT63
H2 LITE sold separately



DL/CONVERT / DLCONVERT70
H2 Pro / H4 FF sold separately



DLCONVERT98
H5 500 / H4 EYEBALL sold separately



DLCONVERT

SOLE CONVERTER PLATES FOR THE HALERS DOWNLIGHT RANGE

PRODUCT DATA

Finish	Product code	Description	Cut-out (mm)
Black	DL/CONVERTBLK	Retrofit of H2 Pro into holes up to Ø150mm	60-150
B/Steel	DLCONVERT63BS	Retrofit of H2 Lite into holes up to Ø150mm	63-150
	DLCONVERT70BS	Retrofit of H2 Pro/H4 FF into holes up to Ø150mm	70-150
	DLCONVERT98BS	Retrofit of H4 EYEBALL/H5 500 into holes up to Ø150mm	98-150
	DL/CONVERTCR	Retrofit of H2 Pro into holes up to Ø150mm	60-150
Chrome	DLCONVERT63CR	Retrofit of H2 Lite into holes up to Ø150mm	63-150
	DLCONVERT70CR	Retrofit of H2 Pro/ H4 FF into holes up to Ø150mm	70-150
	DLCONVERT98CR	Retrofit of H4 EYEBALL/H5 500 into holes up to Ø150mm	98-150
	DL/CONVERTPG	Retrofit of H2 Pro into holes up to Ø150mm	60-150
P/Gold	DL/CONVERTPG	Retrofit of H2 Pro into holes up to Ø150mm	60-150
Silver	DL/CONVERTSIL	Retrofit of H2 Pro into holes up to Ø150mm	60-150
White	DLCONVERT63WH	Retrofit of H2 Lite into holes up to Ø150mm	63-150
	DLCONVERT70WH	Retrofit of H2 Pro/ H4 FF into holes up to Ø150mm	70-150
	DLCONVERT98WH	Retrofit of H4 EYEBALL/H5 500 into holes up to Ø150mm	98-150

GENERAL

Bathroom zone	N/A
Construction material	Mild Steel
Cut-out (mm)	See chart above
IP rating	N/A
Weight (g)	N/A

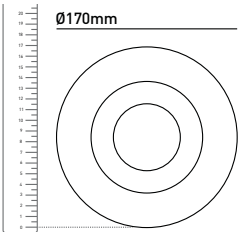
WIRING

Cable	N/A
Series/Parallel	N/A

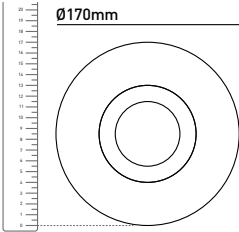
WARRANTY

1 year

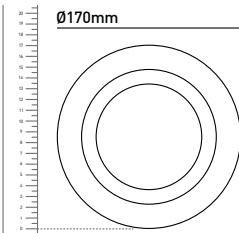
Dimensions



DLCONVERT63



DLCONVERT /
DLCONVERT70



DLCONVERT98

DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



H6ND

NON DIMMABLE COMMERCIAL LED DOWNLIGHT

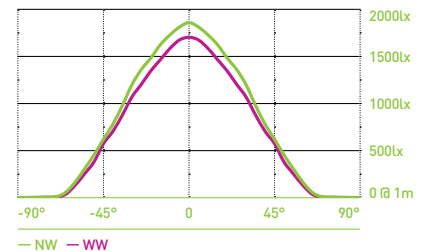


Features & Benefits

- Low glare
- Replaces 2x 26W CFL fitting
- High powered, equivalent to 100W AR111

PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	White	H6NDNW	80°	34W	L70, B10 70,000hrs	>80Ra	2300	67	1860
WW / 3000K	White	H6NDWW				>80Ra	2100	62	1705



GENERAL

Bathroom zone	2
Building regulations	P (electrical safety) & L (conservation of energy)
Construction material	Aluminium
Cut-out (mm)	160-190
Face temperature when lit (°C)	42
IP rating	44
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	1.1

WIRING

Cable/flying lead (m)	0.17 (Class II, complete with GST connector)
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	No	N/A	N/A	N/A

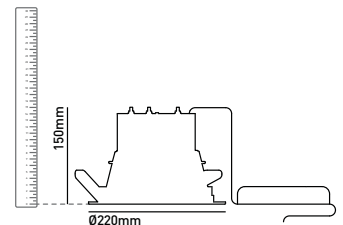
ACCESSORIES

Product code	Description	
DLCONVERT160	Hole converter plate for H6ND/DIM	82
LEDEP05	3 hour maintained through hole emergency pack	84

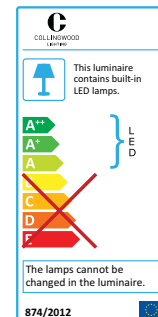
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



H6DIM

DIMMABLE COMMERCIAL LED DOWNLIGHT

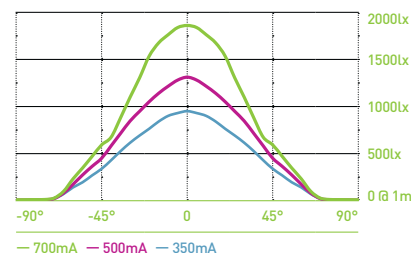


Features & Benefits

- Low glare
- Replaces 1x 18W, 2x 18 & 2x 26W CFL fitting
- High powered, equivalent to 100W AR111
- 1-10V & Dali dimmable

PHOTOMETRICS @ 25°C

Colour	Product code	mA	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx(1m)
NW / 4000K	H6DIMNW	700	80°	34W	L70, B10 70,000hrs	>80Ra	2300	67	1860
		500		25W			1850	74	1311
		350		17W			1300	76	954
WW / 3000K	H6DIMWW	700		34W			2100	62	1705
		500		25W			1650	66	1294
		350		17W			1100	64	900



GENERAL

Bathroom zone	N/A
Building regulations	P (electrical safety) & L (conservation of energy)
Construction material	Aluminium
Cut-out (mm)	160-190
Face temperature when lit (°C)	42
IP rating	44
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	1.1

WIRING

Cable/flying lead (m)	0.17 (Class II, complete with GST connector)
Type of wiring required	Parallel (mains) 110-240V AC or DC 50/60Hz

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (1-10V, DALI)	N/A	N/A	N/A

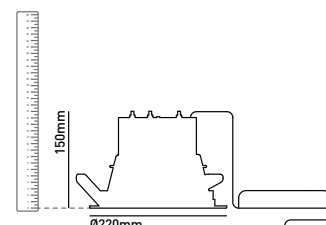
ACCESSORIES

Product code	Description	
DLCONVERT160	Hole converter plate for H6ND/DIM	82
LEDEP05	3 hour maintained through hole emergency pack	84
SYNC CABLE 4M	Sync cable, 4m length	81
PDC/GRID DIMMER	1-10V grid dimmer kit for multiple fitting types	264

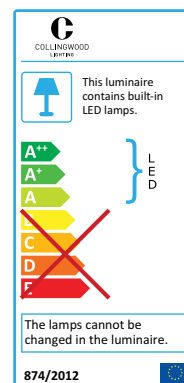
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



SYNC CABLE 4M

SYNC CABLE, 4M LENGTH

Features & Benefits

- 4m lengths for flexible distance between fittings
- Link up to 5x H6DIM fittings when using 1-10V dimmer or 10x H6DIM with DALI
- Plug & Play for easy installation

PRODUCT DATA	
Product Code	SYNC CABLE 4M
GENERAL	
Bathroom zone	N/A
Construction material	Copper cable, rubber outer
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	Parallel (Plug & Play)
USE IN CONJUNCTION WITH	
Product code	Description
H6DIM	Commercial dimmable LED downlight
WARRANTY	
1 year	2



DLCONVERT160
HOLE CONVERTER PLATE FOR H6ND/DIM

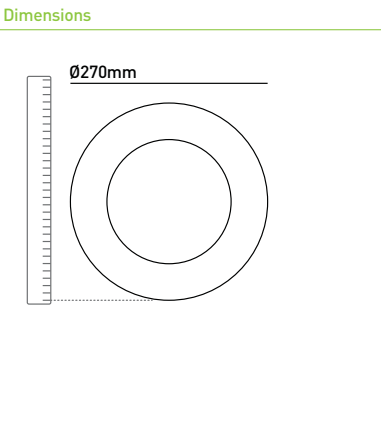
Features & Benefits
Retrofit of H6ND/H6DIM into holes up to Ø250mm

PRODUCT DATA	
Finish	Product code
White	DLCONVERT160WH

GENERAL	
Bathroom zone	N/A
Construction material	Mild Steel
Cut-out (mm)	160-250
IP rating	N/A
Weight (g)	N/A

WIRING	
Cable	N/A
Series/Parallel	N/A

WARRANTY	
1 year	2



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



DM298GRID

LED MAINS GRID DIMMER

Features & Benefits

- Compatible with the Halers downlight range
- Minimum brightness can be adjusted

PRODUCT DATA

Product Code	DM298GRID
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GENERAL

Construction material	Plastic
Dimmer type	Push On/Off rotary dial
Grid plate adapters	Deta, GET, BG, Wandsworth, MK Logic, Hamilton, MEM & Crabtree (included)
IP rating	20
Weight (g)	50

ELECTRICAL CHARACTERISTICS

Mains supply voltage	240V AC
Mains supply voltage range	220V AC - 240V AC
Mains supply frequency	50/60Hz
Load type	LED dimmable driver only
Min load capacity	25W
Max load capacity	90W
Phase firing	Leading edge
Ambient temperature (ta = °C)	-25 to +50
Case temp (tc = °C)	50

WIRING

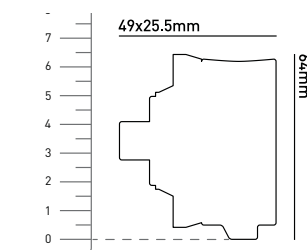
Connection terminal diameter (mm)	3
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WARRANTY

1 year

2

Dimensions



DOWNLIGHTS (HALERS RANGE)
TECHNICAL SPECIFICATION SHEET



LEDEP05
3HR MAINTAINED THROUGH HOLE EMERGENCY PACK

- Features & Benefits**
- Emergency mode powers H2 / H4 / H4 FF / H4 EYEBALL / H5 500 & H6ND / H6DIM at 175mA. Approx 25% light output compared to normal running
 - Can be used with other light fittings using 1-3 high power LEDs at 700mA
 - Provides minimum of 3 hours of emergency lighting
 - Green indicator light indicates charging of batteries

PRODUCT DATA					
Product Code	LEDEP05				
	LEDEP05BAT				

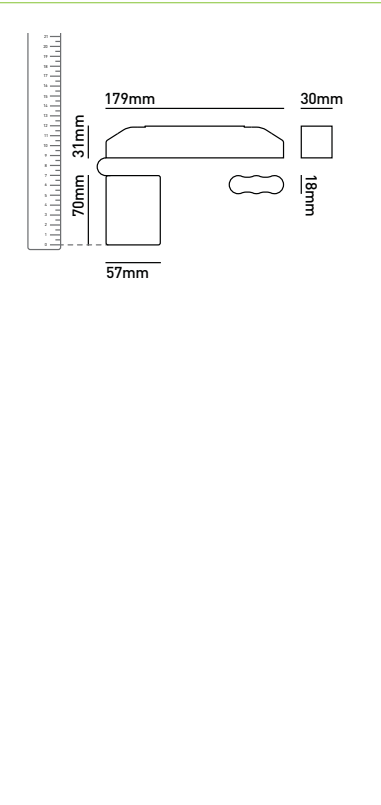
ELECTRICAL CHARACTERISTICS	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage	0.07A	220V-240V 50-60Hz	175A	6-12V	55%
N/A					

GENERAL	
Ambient temp (ta = °C)	50
Case temp (tc = °C)	70
Control	N/A
Double insulation	Yes
Efficiency	N/A
Inrush current	5A 0.3µs
IP rating	20
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating (delete as appropriate)
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING	
Connection output	Flying lead
Input cable required	0.5 - 1.5mm²
Output cable required	0.240mm² (supplied)

WARRANTY	
1 year	2

Dimensions



DOWNLIGHTS (HALERS RANGE)

TECHNICAL SPECIFICATION SHEET



LED EM01

LED EMERGENCY MODULE

Features & Benefits

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

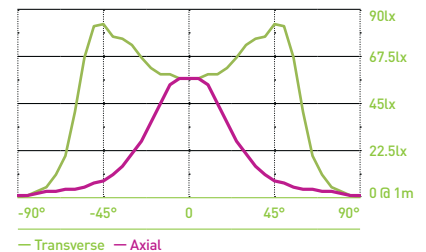
PHOTOMETRICS @ 25°C

Colour	Finish	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	Lx (1m)
WH / 6500K	White	LED01	Axial: 50° Transverse : 118°	2W	L70, B10 70,000hrs	>80Ra	120	60	60

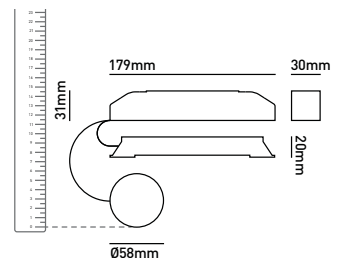
Mounting Height (m)	A	B	C	D	E
2.00	1.62	4.50	3.93	2.27	0.93
2.50	1.88	4.58	4.05	2.55	1.01
3.00	2.18	4.86	4.52	2.67	1.03
3.50	2.36	5.47	5.04	2.83	1.00
4.00	2.70	6.03	5.57	2.91	1.07

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

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



Dimensions



GENERAL

Bathroom zone	N/A
Building regulations	P (electrical safety)
Construction material	Aluminium
Cut-out (mm)	44-50
Face temperature when lit (°C)	30
IP rating	20
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	800

WIRING

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

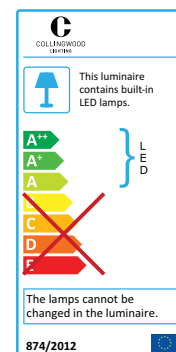
LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	N/A	N/A	N/A	N/A	N/A

WARRANTY

1 year

Energy efficiency rating



DOWNLIGHTS (COLLINGWOOD RANGE)

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

DL201
Patent No: GB2487912



DL SURFACE
For size reference only

DL201

LARGE STRAIGHT TO MAINS SURFACE MOUNTED LED DOWNLIGHT



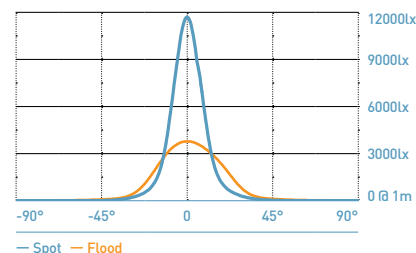
Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	DL201FNW	38°	22W	L70, B10 70,000hrs	>80Ra	1500	68	3786
	DL201SNW*	18°				1500	68	11695
WW / 3000K	DL201FWW	38°				1350	61	3315
	DL201SWW*	18°				1350	61	9154

* Spot version to order only, 90 day lead time



GENERAL

Bathroom zone	N/A
Building regulations	P (electrical separated) & L (conservation of energy)
Construction material	Anodised aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	45
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage)	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	4.3

WIRING

Cable/flying lead (m)	N/A (Supplied with 2pc male/female IP65 connector, 5-9mm² MAX)
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)	N/A	No	N/A	N/A	N/A

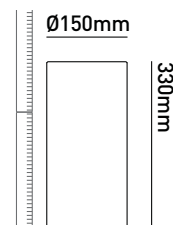
ACCESSORIES

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

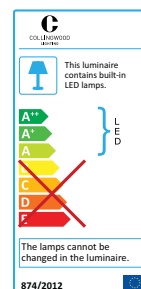
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (COLLINGWOOD RANGE)

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

DL SURFACE

SURFACE MOUNT DIMMABLE LED DOWNLIGHT

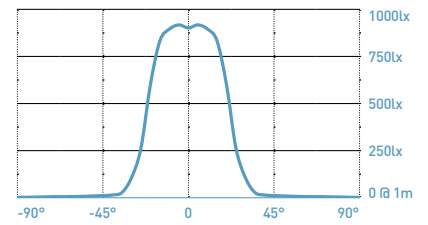


Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	DL SURFACE NW	38°	8W	L70, B10 70,000hrs	>70Ra	455	57	901
WW / 3000K	DL SURFACE WW				>80Ra	340	43	835



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	40
IP rating	44
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	600

WIRING

Cable/flying lead (m)	N/A
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)	N/A	Yes (mains)	2	N/A	N/A

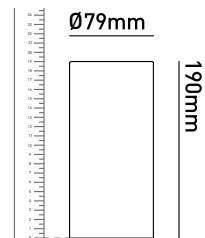
ACCESSORIES

Product code	Description	
DM298GRID	LED mains grid dimmer	83

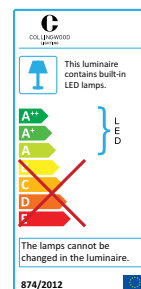
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (COLLINGWOOD RANGE)
TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

DL PENDANT
PENDANT LED DOWNLIGHT

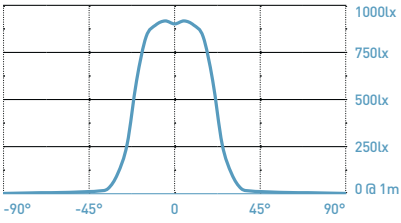


Features & Benefits

- Ceiling fitting kit included
- Equivalent to 35W Halogen
- Cable length can be adjusted

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	DL PENDANT NW	38°	8W	L70, B10 70,000hrs	>70Ra >80Ra	455	57	901
WW / 3000K	DL PENDANT WW					340	43	835



GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	40
IP rating	20
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	1

WIRING

Cable/flying lead (m)	N/A
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)	N/A	No	N/A	N/A	N/A

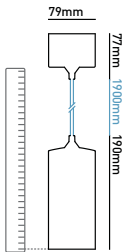
ACCESSORIES

Product code	Description	
DL DROP ROD	1m anodised aluminium drop rod for added rigidity	89

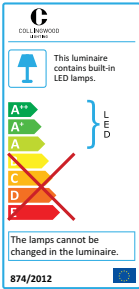
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



DOWNLIGHTS (COLLINGWOOD RANGE)
TECHNICAL SPECIFICATION SHEET



DL DROP ROD
1M ROD FOR USE WITH DL PENDANT

Features & Benefits
Anodised aluminium drop rod for added rigidity
Can be cut to requirements (cutting of rod will render this product non-returnable)

PRODUCT DATA	
Product Code	DL DROP ROD
GENERAL	
Bathroom zone	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
WIRING	
Cable	1m (integral to rod)
Series/Parallel	Parallel (mains) 220-240V AC 50/60Hz
WARRANTY	
1 year	

Dimensions	
7mm	3

DOWNLIGHTS (COLLINGWOOD RANGE)

TECHNICAL SPECIFICATION SHEET



DL120



DL130



DL120 / DL130

MINI ADJUSTABLE LED SPOT LIGHT

Features & Benefits

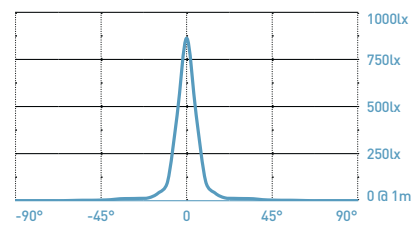
Quality machined aluminium finish

Small and discreet

Adjustable angle to direct light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	DL120 NW	15°	1W	70,000hrs	>70Ra	82	82	771
	DL130 NW							
WW / 3000K	DL120 WW				>80Ra	69	69	758
	DL130 WW							



GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Aluminium
Cut-out (mm)	DL120: 44 / DL130: 53
Face temperature when lit (°C)	39
IP rating	20
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage)	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	±20
Weight (g)	40

WIRING

Cable/flying lead (mm)	300 (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 only

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

For LED driver bathroom zone & additional LED Drivers see page 230

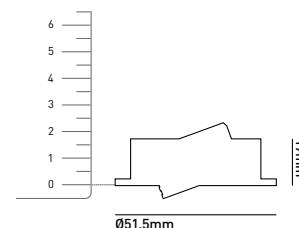
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

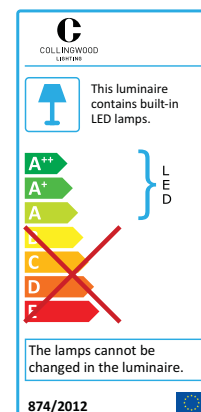
WARRANTY

1 year

Dimensions



Energy efficiency rating



DOWNLIGHTS (COLLINGWOOD RANGE)

TECHNICAL SPECIFICATION SHEET



FIBRE LED LIGHT

FIBRE OPTIC LED LIGHT INJECTOR



Features & Benefits

Easy to install compared to Halogen

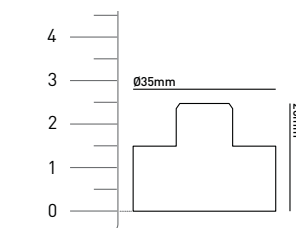
Runs cool. No need for a fan

Twinkle effect can be achieved with minimum of 3x FIBRE LED LIGHTs running on RGBX LED driver

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	FIBRE LED LIGHT NW	N/A	1W	L70, B10 70,000hrs	>80Ra		TBC	

Dimensions



GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	41
IP rating	20
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	40

WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/350 1-9	350	Yes	No	1	1	9
PLR/350 1-5			No	1	1	5
RGBX 350 3X1-9 (twinkle effect)			No	1	3	27

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

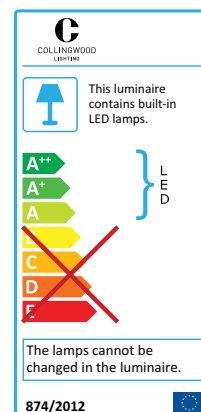
Product code	Description	
FIBRE LED 1/30	Fibre optic strands	92
FIBRE LED 2/30	Fibre optic strands	92
UY2 CONNECTOR	Quick waterproof connector	268

WARRANTY

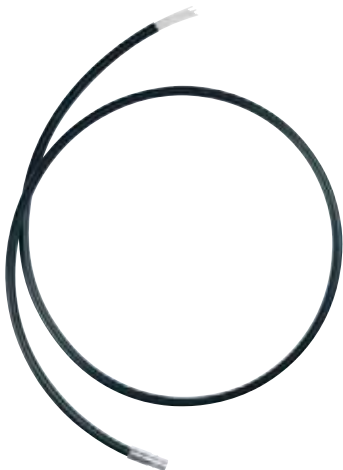
1 year (7 year extended warranty available)

2

Energy efficiency rating



DOWNLIGHTS (COLLINGWOOD RANGE)
TECHNICAL SPECIFICATION SHEET



FIBRE LED
FIBRE OPTIC STRANDS

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

PRODUCT DATA	
Product Code	FIBRE LED 1/30
	FIBRE LED 2/30

GENERAL	
Bathroom zone	1
Construction material	Plastic
Cut-out (mm)	1
IP rating	N/A
Weight (kg)	N/A

WIRING	
Cable	N/A
Series/Parallel	N/A

WARRANTY
1 year

Dimensions
7.5mm
1m (1-30) 2m (2-30)

“IN THE RIGHT LIGHT, AT THE
RIGHT TIME, EVERYTHING IS
EXTRAORDINARY.”

- Aaron Rose

LED REPLACEMENT UNITS

Why choose Collingwood LED replacement units?

Collingwood's LED replacement units are designed to fit both MR16 50mm and AR111 housings. These are a great alternative to maintenance hungry LV and GU fittings, reducing your expense and time spent on maintaining your light fittings. With the option of high output 3W, 7W and 15W LEDs, our replacement units can cater to all your lighting needs.

Plug & Play simplicity

Fitting Collingwood's LED replacement units couldn't be easier. With their plug & play installation removing the need for traditional time consuming wiring, offering you fast, trouble-free installation.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



LED REPLACEMENT UNITS PRACTICAL, DIRECTIONAL, EFFECTIVE

AR111 and 50mm fittings suitable for replacing maintenance hungry LV and GU10s. Featuring three high output LEDs providing equivalent light for 35w, 50w and 75w. With plug & play simplicity for fast, trouble free installation.

SIZE COMPARISON LED Replacement Units



LED REPLACEMENT UNITS TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



DL111 25° / DL111 45° LED AR111 75W HALOGEN REPLACEMENT

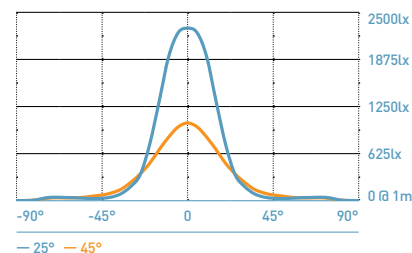


Features & Benefits

- Equivalent to 75W AR111 Halogen lamp
- Supplied with mains dimmable LED driver
- Retrofits into existing AR111 housings
- Patented thermal management

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	DL111NW25	25°	15W	L70, B10 70,000hrs	>80Ra	660	45	2290
	DL111NW45	45°				660	45	1032
WW / 2700K	DL111WW25	25°				600	40	2120
	DL111WW45	45°				600	40	940



GENERAL

Bathroom zone	N/A
Building regulations	Part P (electrical safety)
Construction material	Aluminium
Cut-out (mm)	Housing dependant
Face temperature when lit (°C)	50
IP rating	20
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	Housing dependant
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	Housing dependant
Weight (g)	70

WIRING

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

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

LED DRIVERS

Product code	mA	Power factor	Dimming	Bathroom zone	Min	Max
N/A (driver built in)	N/A	>0.95	Yes (mains)	N/A	N/A	N/A

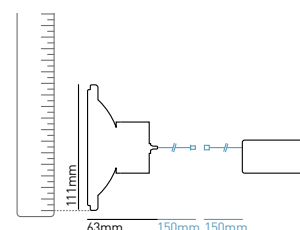
ACCESSORIES

Product code	Description	
DM298GRID	Mains grid dimmer	83
AR119 SIL	Round AR111 adjustable housing	97
AR120 SIL	Square AR111 adjustable housing	97
AR220 SIL	Double AR111 adjustable housing	97

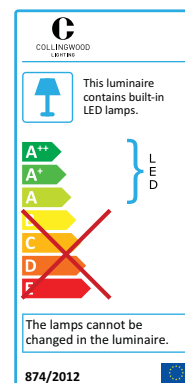
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



LED REPLACEMENT UNITS TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



AR119



AR120



AR220

AR119 / AR120 / AR220

ADJUSTABLE HOUSING

Features & Benefits

Complete with lamp retaining clip

Fully adjustable

Machined from Aluminium for a quality finish

PRODUCT DATA

Product Code	AR119 SIL
	AR120 SIL
	AR220 SIL

GENERAL

Bathroom zone	N/A
Construction material	Machined Aluminium
Cut-out (mm)	AR119: 165 / AR120: 145x145 / AR220: 315x145
IP rating	N/A
Weight (g)	N/A

USE IN CONJUNCTION WITH

Product code	Description	
DL11125	AR111 15W replacement LED	96
DL11145	AR111 15W replacement LED	96

WIRING

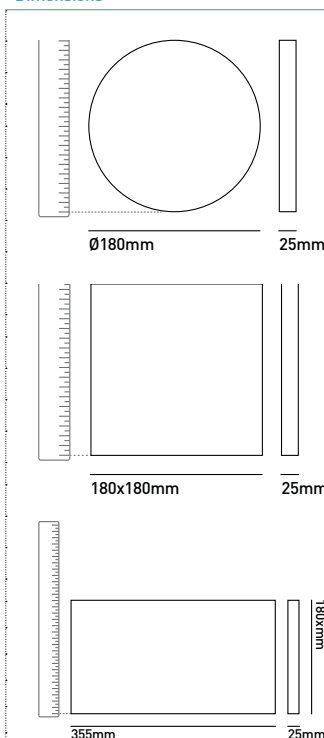
Cable	N/A
Series/Parallel	N/A

WARRANTY

1 year

2

Dimensions



LED REPLACEMENT UNITS TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

LL090A

MR16 HIGH OUTPUT REPLACEMENT LED



Features & Benefits

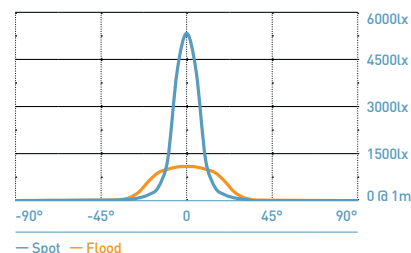
Equivalent to 35W Halogen

MR16 for retrofit into existing housings

Plug & Play connector for quick installation

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LL090A F NW	38°	6W	L70, B10 70,000hrs	>70Ra	460	77	1358
	LL090A S NW	18°				460	77	4550
WW / 3000K	LL090A F WW	38°			>80Ra	330	55	1089
	LL090A S WW	18°				330	55	3810
BL	LL090A F BL	38°			N/A	78	13	30



GENERAL

Bathroom zone	Housing dependant
Construction material	Aluminium
Cut-out (mm)	Housing dependant
Face temperature when lit (°C)	63
IP rating	40
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	Housing dependant
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	Housing dependant
Weight (g)	100

WIRING

Cable/flying lead (m)	1.1 (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 only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	3
PLDM/700 3			Yes (mains)	1	1	1
PLD UNIDRIVE (700)			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

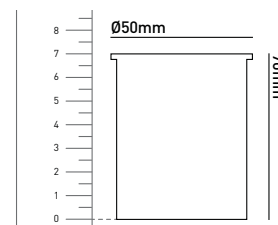
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER / DM298GRID	Grid dimmer kit for multiple fitting types / LED Mains grid dimmer	264/83

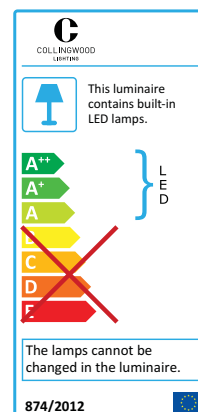
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



LUMILEDS

The Brighter LED

LED REPLACEMENT UNITS TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

LL030A MR16 3W REPLACEMENT LED

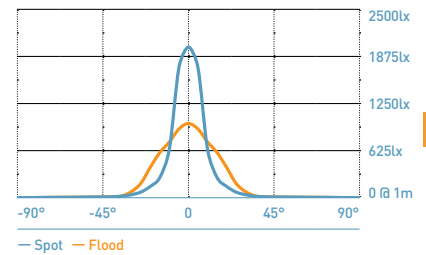


Features & Benefits

- Equivalent to 20W Halogen
- MR16 for retrofit into existing housings
- Plug & Play connector for quick installation
- Short heatsink for shallow housings

PHOTOMETRICS @ 25°C

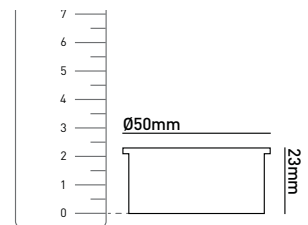
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LL030A F NW	38°	3W	L70, B10 70,000hrs	>70Ra	270	90	986
	LL030A S NW	18°				270	90	2000
WW / 3000K	LL030A F WW	38°			>80Ra	190	63	490
	LL030A S WW	18°				190	63	1995
BL	LL030A F BL	38°			N/A	38	13	9



GENERAL

Bathroom zone	Housing dependant
Construction material	Aluminium
Cut-out (mm)	Housing dependant
Face temperature when lit (°C)	58
IP rating	40
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	Housing dependant
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	Housing dependant
Weight (g)	50

Dimensions



WIRING

Cable/flying lead (m)	1.1 (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 only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/PP/350 1-9 (Plug & Play)	350	Yes	No	1	1	3
PLR/350 1-5			No	1	1	1
PLD UNIDRIVE			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

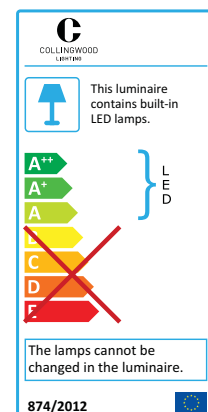
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating



GROUND LIGHTS

Why choose Collingwood ground lights?

Since 2002 Collingwood lighting has been designing, manufacturing and distributing LED ground lights so you can be confident you are making the right choice. Collingwood boasts one of the most comprehensive ranges, giving you the choice of high output for large areas right through to marker lights to create softer tones of light. Collingwood Lighting is so confident in their products they offer a 7 year extended warranty for peace of mind.

Marine grade stainless steel

Collingwood ground lights are built to last and can be used in many environments, but when choosing the right products for a coastal environment, marine grade 316 is the right choice. Over 70% of the Collingwood range of ground lights use this, giving you the perfect level of protection, ensuring your products look as good as the day they were fitted.

Protection against water

Collingwood ground lights come with two choices, IP67 and IP68. Both give you full protection against water making them ideal for outdoor use. Only IP68 allows you to permanently submerge your ground light for use in ponds or water features.

Walkover and driveover

All Collingwood ground lights contain either 5mm or 10-12mm toughened glass and can be used as walk or drive over.

Cool to touch

Most ground lights at some point will be touched or have something placed upon them. Traditional Halogen ground lights would burn you or damage anything that comes into contact, not with LED. Collingwood ground lights run at far lower temperatures making them a safer option.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



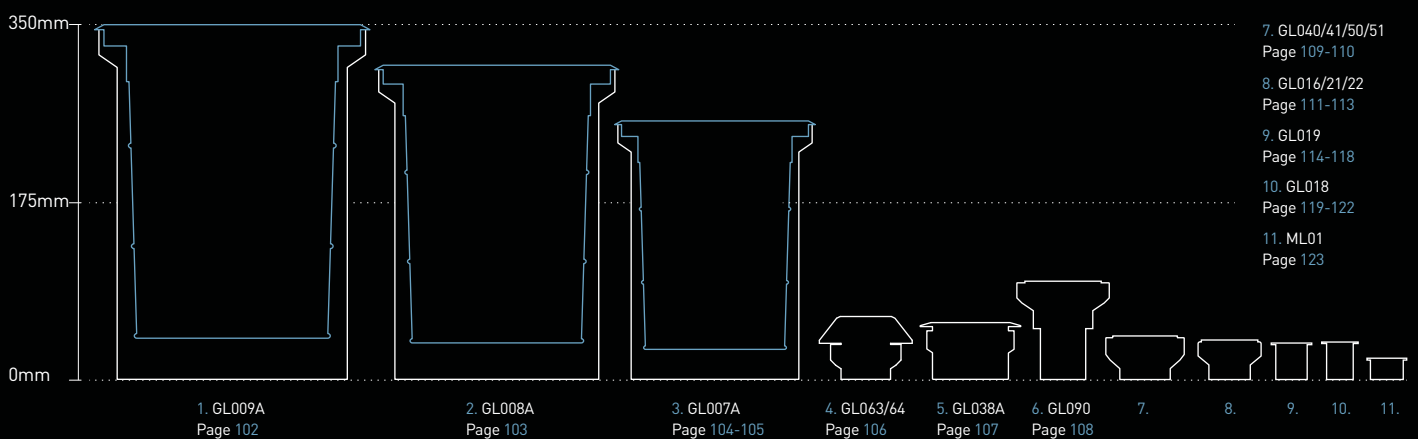
GROUND LIGHTS

VERSATILE, GRACEFUL, ELEGANT

Collingwood Lighting's range of ground lights are one of the most comprehensive range on the market. Finished to the highest quality using Stainless steel, toughened glass (including drive over) and ranging from 1W to 22W LED light outputs. Perfect for both indoor and outdoor, decorative to functional and available in up to six LED colour options.

SIZE COMPARISON

Ground Lights



GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

GL009A

TRIPLE LED DRIVE OVER GROUND LIGHT

Features & Benefits

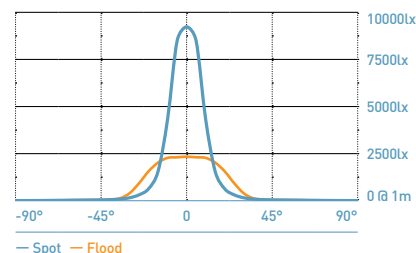
Adjustable LED fittings

Equivalent to 50W Halogen & 100W AR111

Straight to mains

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL009A F NW	38°	22W	L70, B10 70,000hrs	>70Ra	1266	58	2490
	GL009A S NW	18°				736	45	8004
WW / 3000K	GL009A F WW	38°			>80Ra	853	39	1251
	GL009A S WW	18°				891	41	5570



GENERAL

Bathroom zone	2
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Cut-out (mm)	N/A
Drive over / Walk over	Drive over (15mph max)
Face temperature when lit (°C)	34
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	±20
Weight (kg)	8.3

WIRING

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

LED DRIVERS

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

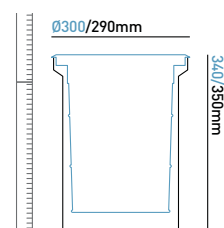
ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	265
WC 5-9	Quick waterproof connector	266

WARRANTY

3 years

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

GL008A

TWIN LED DRIVE OVER GROUND LIGHT

Features & Benefits

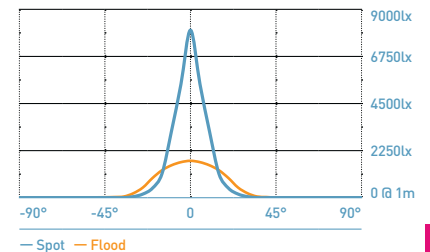
Adjustable LED fittings

Equivalent to 50W Halogen & 100W AR111

Straight to mains

PHOTOMETRICS @ 25°C

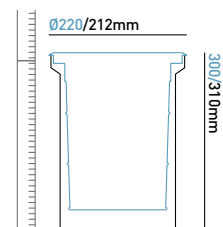
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL008A F NW	38°	22W	L70, B10 70,000hrs	>70Ra	750	47	1832
	GL008A S NW	18°				750	47	8004
WW / 3000K	GL008A F WW	38°			>80Ra	600	38	955
	GL008A S WW	18°				600	38	4570



GENERAL

Bathroom zone	2
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Cut-out (mm)	N/A
Drive over / Walk over	Drive over (15mph max)
Face temperature when lit (°C)	32
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	±20
Weight (kg)	4.7

Dimensions



WIRING

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

LED DRIVERS

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

ACCESSORIES

Product code	Description
Installation tube (included)	
JB5	Gel filled waterproof connector 265
WC 5-9	Quick waterproof connector 266

WARRANTY

3 years

2

GROUND LIGHTS
TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

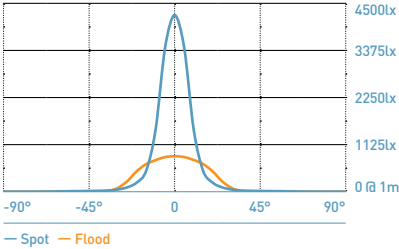
GL007A
DRIVE OVER LED GROUND LIGHT

Features & Benefits

- Adjustable LED fitting
- Equivalent to 35W Halogen
- Robust cable for outdoor use
- Straight to mains

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL007A F NW	38°	10W	L70, B10 70,000hrs	>70Ra	375	38	1081
	GL007A S NW	18°				375	38	4002
WW / 3000K	GL007A F WW	38°			>80Ra	310	31	468
	GL007A S WW	18°				310	31	2350



GENERAL

Bathroom zone	2
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Cut-out (mm)	N/A
Drive over / Walk over	Drive over (15mph max)
Face temperature when lit (°C)	35
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	±20
Weight (kg)	3.3

WIRING

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

LED DRIVERS

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

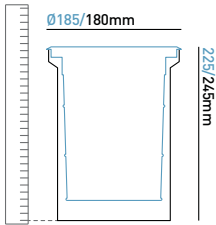
ACCESSORIES

Product code	Description
Installation tube (included)	
JB5	Gel filled waterproof connector 265
WC 5-9	Quick waterproof connector 266

WARRANTY

3 years	2
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Dimensions



Energy efficiency rating



GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



GL007 FROSTED

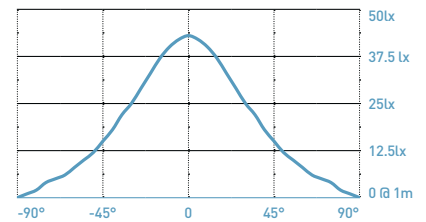
DRIVE OVER LED GROUND/MARKER LIGHT

Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL007 FROSTED NW	N/A	8W	L70, B10 70,000hrs	>70Ra	101	13	43
WW / 3000K	GL007 FROSTED WW				>80Ra	96	12	33



GENERAL

Bathroom zone	2
Construction material	Stainless Steel 316 (cover ring) / Aluminium (body)
Cut-out (mm)	N/A
Drive over / Walk over	Drive over (15mph max)
Face temperature when lit (°C)	26
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	2.7

WIRING

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

LED DRIVERS

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

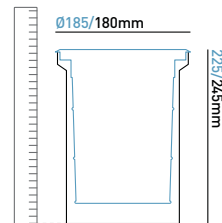
ACCESSORIES

Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	265
WC 5-9	Quick waterproof connector	266

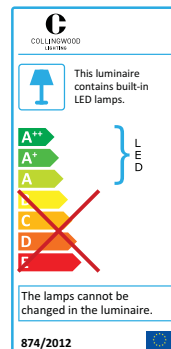
WARRANTY

1 year

Dimensions



Energy efficiency rating



GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

GL063



GL064



GL063 3 WAY LED MARKER LIGHT

GL064 4 WAY LED MARKER LIGHT



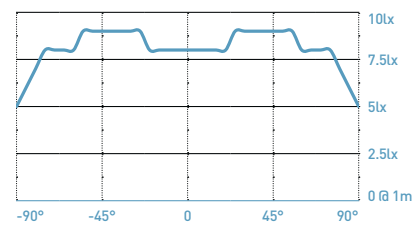
Features & Benefits

Cast stainless steel for aged effect

Raised profile sending light in three & four directions

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
WW / 3000K	GL063	N/A	4W	L70, B10 70,000hrs	>80Ra	45	11	9
	GL064		5W			65	13	9



GENERAL

Bathroom zone	1
Construction material	Cast Stainless Steel (316)
Cut-out (mm)	55
Drive over / Walk over	N/A
Face temperature when lit (°C)	37
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (kg)	1.1

WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

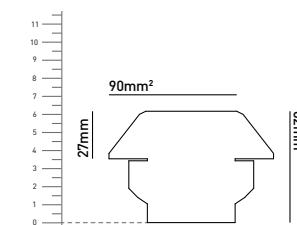
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266
TUBE/68	Installation tube	124
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

GL038A

STRAIGHT TO MAINS LED GROUND LIGHT

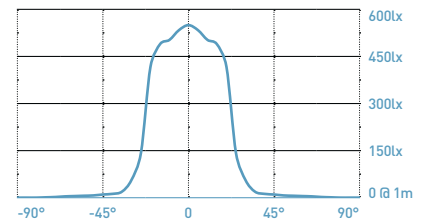


Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL038A F NW	38°	3.6W	L70, B10 70,000hrs	>70Ra	200	55	550
WW / 3000K	GL038A F WW				>80Ra	165	45	305
BL	GL038A F BL				N/A			



GENERAL

Bathroom zone	2
Construction material	Stainless Steel 316 (cover) / Aluminium (body)
Cut-out (mm)	80
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	34
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	800

WIRING

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

LED DRIVERS

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

ACCESSORIES

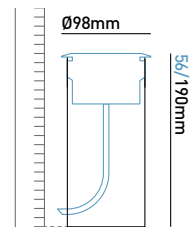
Product code	Description	
Installation tube (included)		
JB5	Gel filled waterproof connector	261
WC 5-9	Quick waterproof connector	266

WARRANTY

1 year (7 year extended warranty available)

289

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



GL090

7W LED GROUND LIGHT

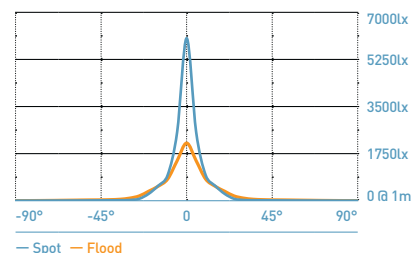


Features & Benefits

Equivalent to 35W Halogen & 35W AR111
Robust cable for outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL090 F NW	20°	7W	L70, B10 70,000hrs	>70Ra	310	44	1800
	GL090 S NW	12°				310	44	6000
WW / 3000K	GL090 F WW	20°			>80Ra	246	35	1529
	GL090 S WW	12°				304	43	5820
BL	GL090 F BL	20°			N/A	43	6	37
	GL090 S BL	12°				N/A		



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	65
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	34
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g)	800

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

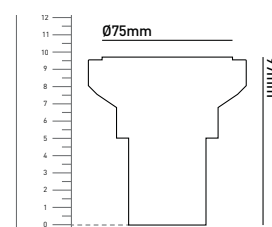
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266
TUBE/68	Installation tube	124
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET

GL040



GL041



GL040 3W LED GROUND LIGHT

GL041 SQUARE 3W LED GROUND LIGHT



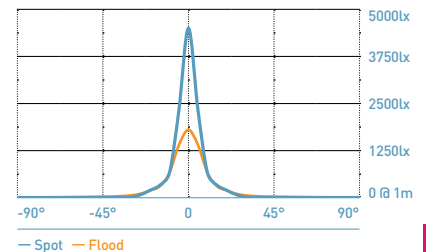
Features & Benefits

Equivalent to 20W Halogen & 35W AR111

Robust cable for outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL040 F NW	20°	3W	L70, B10 70,000hrs	>70Ra	200	67	1800
	GL040 S NW	12°				200	67	4500
	GL041 F NW	20°				200	67	1800
	GL041 S NW	12°				200	67	4500
WW / 3000K	GL040 F WARM WHITE	20°			>80Ra	160	53	1253
	GL040 S WARM WHITE	12°				160	53	3210
	GL041 F WARM WHITE	20°				160	53	1253
	GL041 S WARM WHITE	12°				160	53	3210
BL	GL040 F BLUE	20°			N/A	25	8	20
	GL040 S BLUE	12°				N/A		



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	65
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	55
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g)	500

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
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			No	0	1	1
PLD UNIDRIVE			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

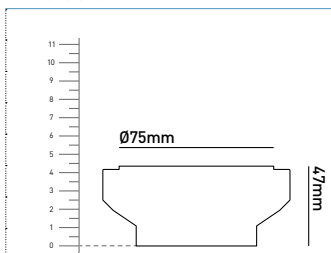
ACCESSORIES

Product code	Description
JB2 / JB4 / JB6	IP68 waterproof connectors 265-266
TUBE/68	Installation tube 124

WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

GL050



GL051



GL050 3W LED GROUND/MARKER LIGHT

GL051 SQUARE 3W LED GROUND/MARKER LIGHT

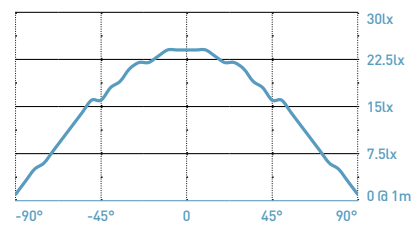


Features & Benefits

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

PHOTOMETRICS @ 25°C

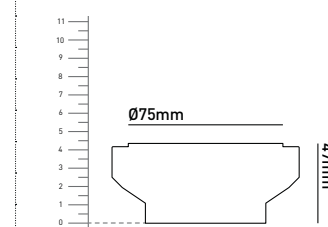
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)			
NW / 4000K	GL050 NW	100°	3W	L70, B10 70,000hrs	>70Ra	50	17	20			
	GL051 NW										
WW / 3000K	GL050 WARM WHITE				>80Ra	46	15	16			
	GL051 WARM WHITE										
BL	GL050 BLUE				N/A						
	GL051 BLUE										



GENERAL

Bathroom zone	0
Construction material	Stainless Steel [316]
Cut-out (mm)	65
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	55
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g)	600

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	1
PLD UNIDRIVE			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266
TUBE/68	Installation tube	124
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year (7 year extended warranty available)

2

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

GL016



GL016 SQ



GL016 1W LED GROUND LIGHT

GL016 SQ 1W SQUARE LED GROUND LIGHT



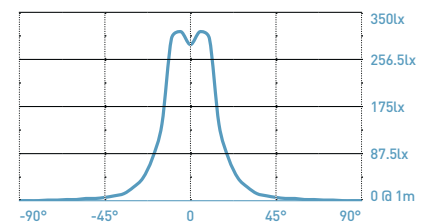
Features & Benefits

Robust cable for outdoor use

Shallow depth for easy installation

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL016 F NW	20°	1W	L70, B10 70,000hrs	>70Ra	70	70	290
	GL016 SQ NW							
WW / 3000K	GL016 F WW				>80Ra	60	60	232
	GL016 SQ WARM WHITE							
AM	GL016 F AMBER				N/A			
BL	GL016 F BLUE							
	GL016 SQ BLUE							
GR	GL016 F GREEN							
RE	GL016 F RED							



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	50
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g)	400

WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

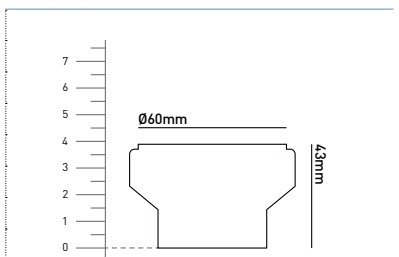
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266
TUBE/50	Installation tube	124
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating

2

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



GL016 F AB

1W LED GROUND LIGHT

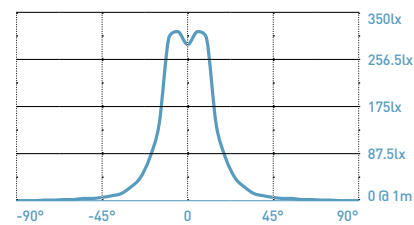


Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL016 F AB NW	20°	1W	L70, B10 70,000hrs	>70Ra	70	70	290
WW / 3000K	GL016 F AB WW				>80Ra	60	60	232
AM	GL016 F AB AMBER				N/A			
BL	GL016 F AB BLUE							
GR	GL016 F AB GREEN							
RE	GL016 F AB RED							



GENERAL

Bathroom zone	0
Construction material	Brass
Cut-out (mm)	50
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	400

WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

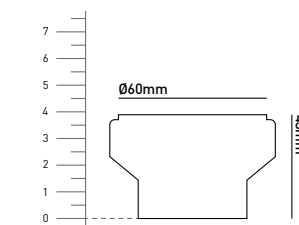
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266
TUBE/50	Installation tube	124
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET

GL021



GL022



GL021 30° SLOTTED LED GROUND LIGHT

GL022 SQUARE 30° SLOTTED LED GROUND LIGHT

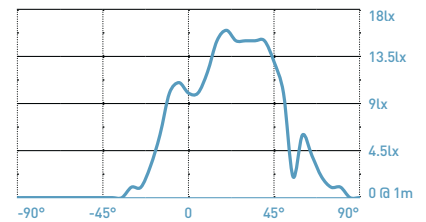


Features & Benefits

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

PHOTOMETRICS @ 25°C

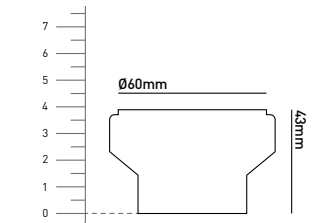
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)		
NW / 4000K	GL021 NW	30°	1W	L70, B10 70,000hrs	>70Ra	10	10	10		
	GL022 NW									
WW / 3000K	GL021 WARM WHITE				>80Ra	8	8	8		
	GL022 WARM WHITE									
BL	GL021 BLUE				N/A					
	GL022 BLUE									



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	50
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	37
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	400

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

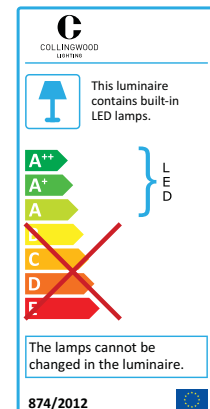
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266
TUBE/50	Installation tube	124
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year (7 year extended warranty available)

2



GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



GL019 FLOOD

1W MINI LED GROUND LIGHT

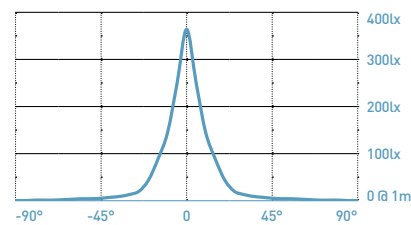


Features & Benefits

Shallow depth for easy installation

PHOTOMETRICS @ 25°C

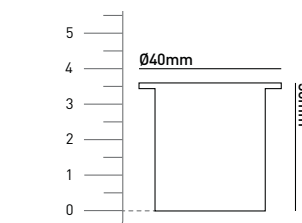
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL019 F NW	20°	1W	L70, B10 70,000hrs	>70Ra	55	55	350
WW / 3000K	GL019 F WARM WHITE				>80Ra	44	44	320
AM	GL019 F AMBER				N/A			
BL	GL019 F BLUE							
GR	GL019 F GREEN							
RE	GL019 F RED							



GENERAL

Bathroom zone	0
Construction material	Stainless Steel [316]
Cut-out (mm)	33
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
TUBE/33	Installation tube	124
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266

WARRANTY

1 year (7 year extended warranty available)

2

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



GL019 SPOT

1W MINI LED GROUND LIGHT

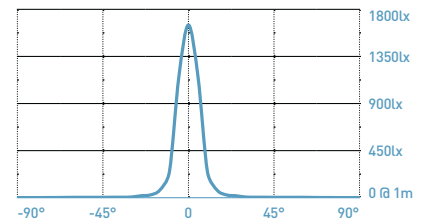


Features & Benefits

Shallow depth for easy installation

PHOTOMETRICS @ 25°C

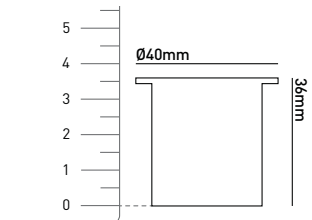
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL019 S NW	12°	1W	L70, B10 70,000hrs	>70Ra	55	55	1650
WW / 3000K	GL019 S WARM WHITE				>80Ra	52	52	1464
AM	GL019 S AMBER				N/A			
BL	GL019 S BLUE							
GR	GL019 S GREEN							
RE	GL019 S RED							



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	33
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
TUBE/33	Installation tube	124
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266

WARRANTY

1 year (7 year extended warranty available)

2

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



GL019 SQ

1W SQUARE MINI LED GROUND LIGHT



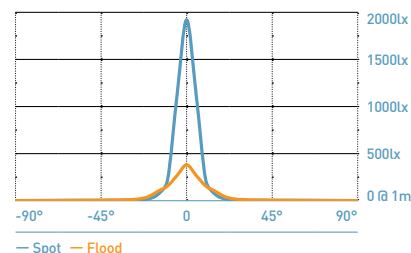
Features & Benefits

Shallow depth for easy installation

Square fascia for a different decorative effect

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL019 SQ F NW	20°	1W	L70, B10 70,000hrs	>70Ra	55	55	350
	GL019 SQ S NW	12°				55	55	1650
WW / 3000K	GL019 SQ F WW	20°			>80Ra	44	44	320
BL	GL019 SQ F BLUE	20°				N/A		
	GL019 SQ S BLUE	12°						



GENERAL

Bathroom zone	0
Construction material	Stainless Steel [316]
Cut-out (mm)	33
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

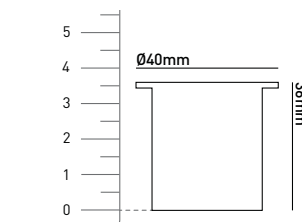
ACCESSORIES

Product code	Description	
TUBE/33	Installation tube	124
JB2 / JB4 / JB6	IP68 waterproof connectors	265-266

WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



GL019 S T

1W THREADED MINI LED GROUND LIGHT

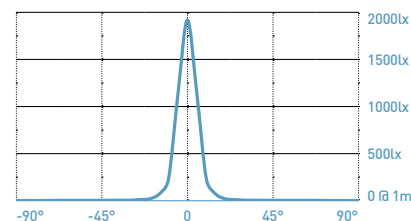


Features & Benefits

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

PHOTOMETRICS @ 25°C

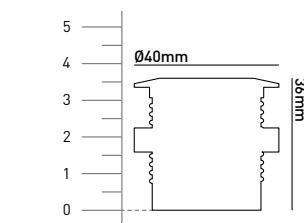
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL019 S T NW	12°	1W	L70, B10 70,000hrs	>70Ra	55	55	1650
WW / 3000K	GL019 S T WW				>80Ra	52	52	1464
BL	GL019 S T BLUE				N/A			



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	32
Drive over / Walk over	N/A
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description
JB2 / JB4 / JB6	IP68 waterproof connectors 265-266

WARRANTY

1 year (7 year extended warranty available)

2

GROUND LIGHTS

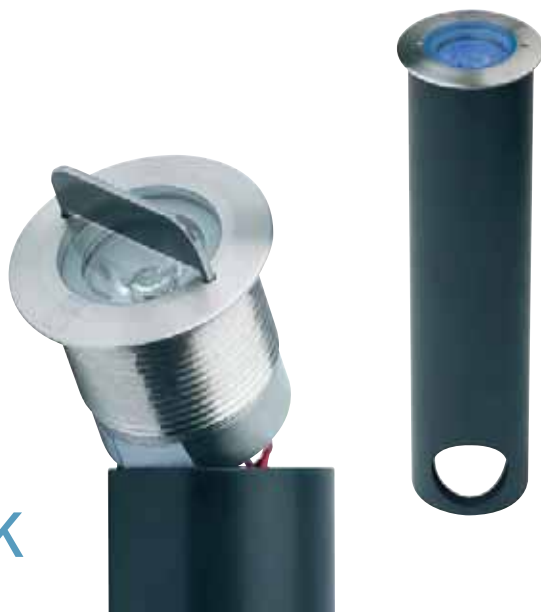
TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

GL019 S TK

GL019 LED SPOT KIT



Features & Benefits

Low profile water-proof ground light. Ideal for decking or by swimming pools

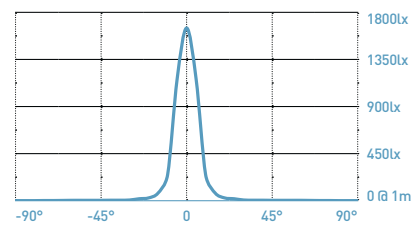
Aluminium tube for secure installation in concrete or soft ground environments

Theft/Vandal-proof. Threaded body fits securely into supplied aluminium tube using tightening key

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL019 S TK NW	12°	1W	L70, B10 70,000hrs	>70Ra	55	55	1650
BL	GL019 S TK BLUE							

N/A



GENERAL

Bathroom zone	0
Construction material	Stainless Steel [316]
Cut-out (mm)	32
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
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			No	0	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

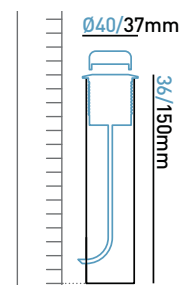
ACCESSORIES

Product code	Description
JB2 / JB4 / JB6	IP68 waterproof connectors 265-266

WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



GL018 C

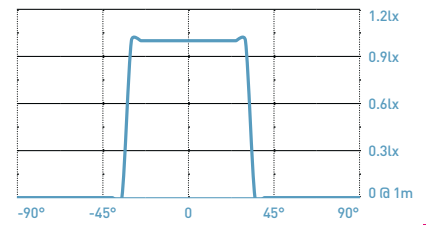
SMALL LED MARKER LIGHT

Features & Benefits

- Low profile for easy installation
- Robust cable for outdoor use

PHOTOMETRICS @ 25°C

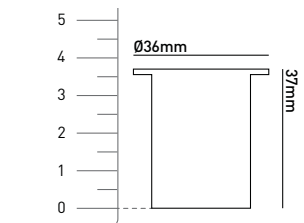
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL018 C NW	120°	0.5W	70,000hrs	>70Ra	3	6	1
WW / 3000K	GL018 C WARM WHITE				>80Ra	3	6	1
AM	GL018 C AMBER				N/A			
BL	GL018 C BLUE							
GR	GL018 C GREEN							
RE	GL018 C RED							



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	28
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A [refer to LED DRIVERS section below]
Tilt angle (°)	N/A
Weight (g)	300

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
Type of wiring required	Parallel

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PDC/10/24V	N/A	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	20
PDC/20/24V			Yes (1-10V)	0 (1 when dimming)	1	40
PSDIP10024			Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	265-266
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	265
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY

1 year

2

GROUND LIGHT TECHNICAL SPECIFICATION SHEET



GL018 C AB

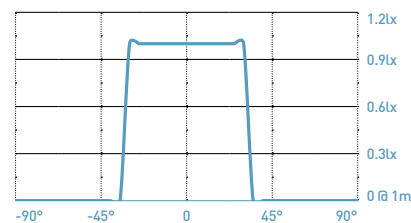
SMALL ANTIQUE BRASS LED MARKER LIGHT

Features & Benefits

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

PHOTOMETRICS @ 25°C

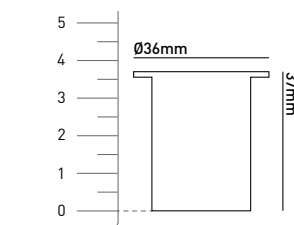
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL018 C AB NW	120°	0.5W	70,000hrs	>70Ra	3	6	1
AM	GL018 C AB AMBER							
BL	GL018 C AB BLUE							
GR	GL018 C AB GREEN							
RE	GL018 C AB RED							



GENERAL

Bathroom zone	0
Construction material	Brass
Cut-out (mm)	28
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	300

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
Type of wiring required	Parallel

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PDC/10/24V	N/A	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	20
PDC/20/24V			Yes (1-10V)	0 (1 when dimming)	1	40
PSDIP10024			Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	265-266
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY

1 year

2

GROUND LIGHT

TECHNICAL SPECIFICATION SHEET



GL018 SQ

SMALL SQUARE LED MARKER LIGHT

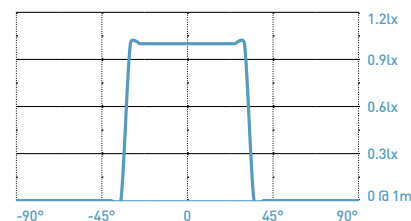
Features & Benefits

Robust cable for outdoor use

Low profile for easy installation

PHOTOMETRICS @ 25°C

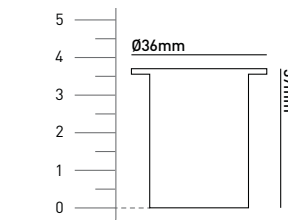
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL018 SQ NW	120°	0.5W	70,000hrs	>70Ra	3	6	1
WW / 3000K	GL018 SQ WW				>80Ra	3	6	1
BL	GL018 SQ BLUE				N/A			



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	28
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	300

Dimensions



WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
Type of wiring required	Parallel

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PDC/10/24V	N/A	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	20
PDC/20/24V			Yes (1-10V)	0 (1 when dimming)	1	40
PSDIP10024			Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	265-266
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY

1 year

2

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



GL018 T

SMALL PANEL MOUNT LED MARKER LIGHT

Features & Benefits

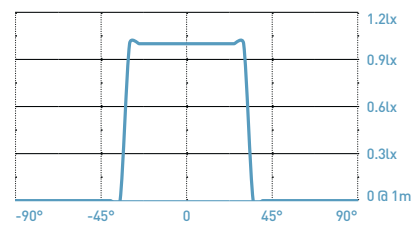
Incorporated thread and nut for secure fitting into panels, walls or ceilings

Robust cable for outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL018T NW	120°	0.5W	70,000hrs	>70Ra	3	6	1
BL	GL018T BL							

N/A



GENERAL

Bathroom zone	0
Construction material	Stainless Steel [316]
Cut-out (mm)	28
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	300

WIRING

Cable/flying lead (m)	1 (H05RN-F) rubberised cable
Type of wiring required	Parallel

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PDC/10/24V	N/A	Yes	Yes (PDCINT1-10V)	0 (1 when dimming)	1	20
PDC/20/24V			Yes (1-10V)	0 (1 when dimming)	1	40
PSDIP10024			Yes (1-10V)	0 (1 when dimming)	1	200

For LED driver bathroom zone & additional LED Drivers see page 230

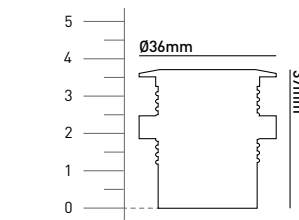
ACCESSORIES

Product code	Description	
JB1 / JB5 / JB6	IP68 waterproof connectors	265-266
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY

1 year

Dimensions



Energy efficiency rating

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



ML01

DECORATIVE LED MINI LIGHT



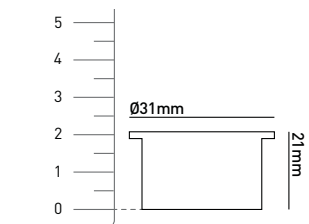
Features & Benefits

Small & discreet decorative LED light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	ML01 NW	N/A	1W	L70, B10 70,000hrs	>70Ra	4	4	0
AM	ML01 AMBER							
BL	ML01 BLUE							
GR	ML01 GREEN							
RE	ML01 RED							

Dimensions



GENERAL

Bathroom zone	0
Construction material	Stainless Steel (316)
Cut-out (mm)	26
Drive over / Walk over	N/A
Face temperature when lit (°C)	46
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	50

WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
CR135	0.205mm² PTFE cable	268
UY2 CONNECTOR	Quick waterproof connector	268

WARRANTY

1 year (7 year extended warranty available)

2

GROUND LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



TUBE/ INSTALLATION TUBES

Features & Benefits

Use in concrete as shutter / formwork

Use in slabs to retain soil / sand

PRODUCT DATA

Product Code	TUBE/33
	TUBE/50
	TUBE/68

GENERAL

Bathroom zone	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A

USE IN CONJUNCTION WITH

Product code	Description	
TUBE/33: GL019	1W mini LED ground light	114/115
GL019 SQ	1W square mini LED ground light	116
TUBE/50: GL016	1W LED ground light	111
GL016 AB	1W antique brass LED ground light	112
GL016 F RGB	LED colour change ground light	213
GL016 SQ	1W square LED ground light	111
GL021	30° slotted LED ground light	113
GL022	30° square slotted LED ground light	113
TUBE/68: GL040	3W LED ground light	109
GL040 F RGB	Colour change LED ground light	211
GL041	3W square LED ground light	109
GL050	3W LED ground/marker light	110
GL050 RGB	Colour change LED ground/marker light	212
GL051	3W square LED ground/marker light	110
GL090	7W LED ground light	108
GL090 F RGB	High output LED colour change ground light	210
GL063	3 way LED marker light	106
GL064	4 way LED marker light	106

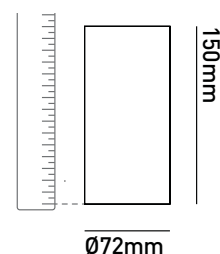
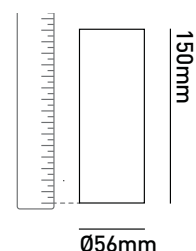
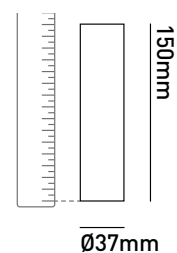
WIRING

Cable	N/A
Series/Parallel	N/A

WARRANTY

1 year

Dimensions



“DARE TO REACH OUT YOUR HAND
INTO THE DARKNESS, TO PULL
ANOTHER HAND INTO THE LIGHT.”

- Norman B. Rice

WALL LIGHTS

Why choose Collingwood wall lights?

Collingwood Lighting offers you a wide range of functional and decorative LED wall lights for both internal and external use. Available in aluminium and copper, with a range of finishes, you will be able to match your taste to our style. Complete with wall brackets and fixings, attaching our wall lights could not be easier. You can also choose a wall light with a built in power supply ideal for retrofit.

Directional Light

The ability to angle many of our wall lights offers you the opportunity to create the desired directional lighting effect, directing the light to exactly where you require it to be.

Up & Down lighters

Our range of up & down wall lights create a great effect, highlighting the area above and below them. Perfect for modern establishments wishing to create the right image, these unique lights are available in IP rated and straight to mains options, allowing them to be used both internally and externally.

Decorative options

Our wall light range includes many decorative wall light options, creating a wide variety of unique and stylish effects. Our WL041 IP has great decorative impact, creating a stylish fan effect on the surrounding wall, while the ML02 is great as a decorative marker light for staircases. The ML03 and WL060/160 create a beautiful halo glow effect. With this broad range of decorative lighting effects we have to offer, you can create a wide variety of stylish and original lighting effects.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



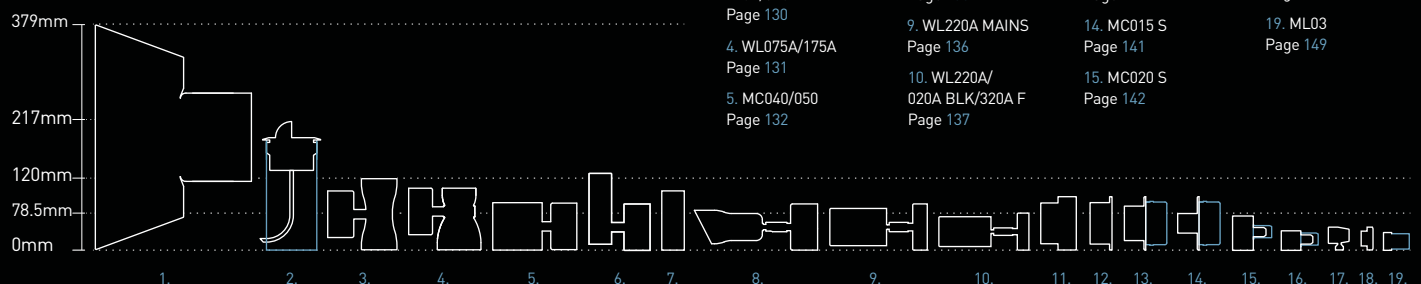
WALL LIGHTS

FUNCTIONAL, DECORATIVE, STYLISH

Collingwood Lighting's range of wall lights are available in three finishes, Stainless steel (including marine grade 316), Anodised aluminium and Copper. Perfect for both indoor and outdoor, decorative to functional and available in four LED options.

SIZE COMPARISON

Wall Lights



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

Patent No: GB2487912



WL070A
For size reference only



WL261 LARGE STRAIGHT TO MAINS ONE WAY LED WALL LIGHT

WL262 LARGE STRAIGHT TO MAINS UP/DOWN LED WALL LIGHT



Features & Benefits

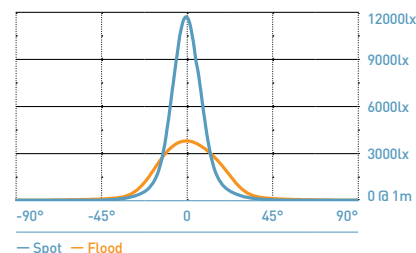
- IP mains connector included
- Complete with wall fixings
- Matt silver, sand blasted & anodised finish ensuring longevity
- Low glare

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL261FNW	38°	22W	L70, B10 70,000hrs	>80Ra	1500	68	3786
	WL261SNW*	18°				1500	68	11695
	WL262FNW	38°	40W			3000†	75	3786
	WL262SNW*	18°				3000†	75	11695
WW / 3000K	WL261FWW	38°	22W			1350	61	3315
	WL261SWW*	18°				1350	61	9154
	WL262FWW	38°	40W			2700†	68	3315
	WL262SWW*	18°				2700†	68	9154

* Spot version to order only, 90 day lead time

† Combined total from both sets of LED



GENERAL

Bathroom zone	N/A
Building regulations	P (electrical separated) & L (conservation of energy)
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	44
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (Integral)
Tilt angle (°)	N/A
Weight (kg)	5.5

WIRING

Cable/flying lead (m)	N/A (Supplied with 2pc male/female IP65 connector; 5-9mm² MAX)
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)	N/A	No	N/A	N/A	N/A

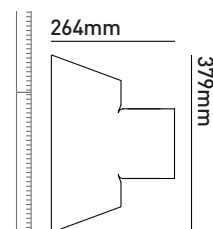
ACCESSORIES

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

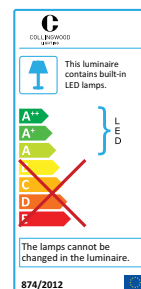
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

GL034A

STRAIGHT TO MAINS HOODED LED WALL / GROUND LIGHT



Features & Benefits

Equivalent to 20W Halogen

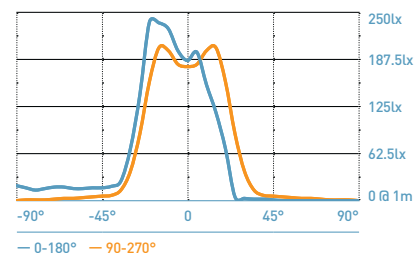
Straight to mains for easy installation and retrofitting

Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	GL034A NW	38°	3.6W	L70, B10 70,000hrs	>70Ra	193	54	478
WW / 3000K	GL034A WW				>80Ra	121	34	186



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Stainless Steel 316 (top) / Aluminium (body)
Cut-out (mm)	80
Face temperature when lit (°C)	40
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (Integral)
Tilt angle (°)	N/A
Weight (kg)	1

WIRING

Cable/flying lead (m)	1 (H0RN-F) rubberised cable
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)	N/A	No	2	N/A	N/A

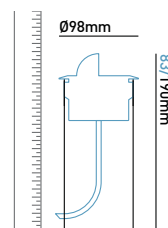
ACCESSORIES

Product code	Description	
Installation tube included		
JB5	Gel filled junction box	265
WC 5-9	Quick release waterproof joint	266

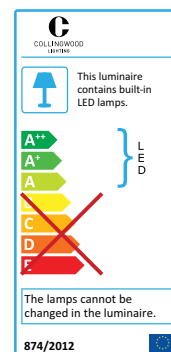
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

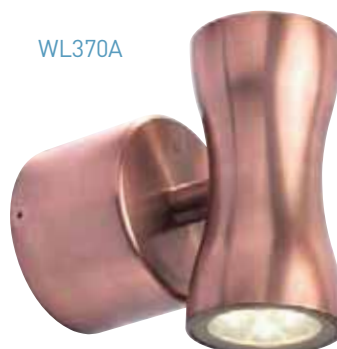
WL070A



WL170A



WL370A



Patent No: GB2487912

WL070A / WL170A / WL370A

STRAIGHT TO MAINS UP/DOWN LED WALL LIGHT



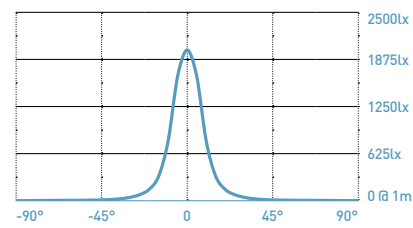
Features & Benefits

Complete with wall fixings

Equivalent to 35W Halogen

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL070A NW	18°	8W	L70, B10 70,000hrs	>70Ra	472	59	2000
	WL170A NW							
	WL370A NW							
WW / 3000K	WL070A WW	18°	8W	L70, B10 70,000hrs	>80Ra	400	50	1845
	WL170A WW							
	WL370A WW							



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	WL070A / WL170A: Anodised Aluminium WL370A: Copper
Cut-out (mm)	N/A
Face temperature when lit (°C)	31
IP rating	65
Maximum ambient temperature (ta = °C)	39
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	WL070A / WL170A: 1 WL370A: 2.5

WIRING

Cable/flying lead (m)	0.3 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 (driver built in)	N/A	No	2	N/A	N/A

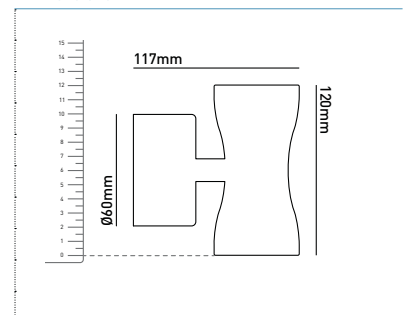
ACCESSORIES

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

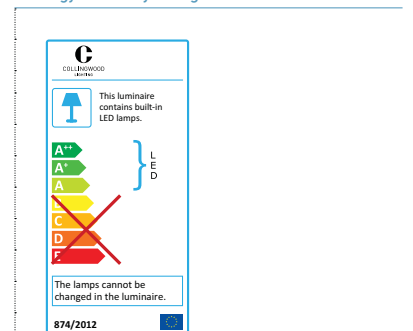
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET

WL075A



WL175A



Patent No: GB2487912

WL075A / WL175A

STRAIGHT TO MAINS HIGH OUTPUT LED WALL LIGHT

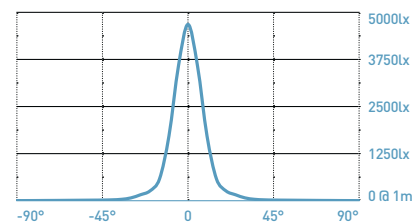


Features & Benefits

- Complete with wall fixings
- Equivalent to 35W Halogen

PHOTOMETRICS @ 25°C

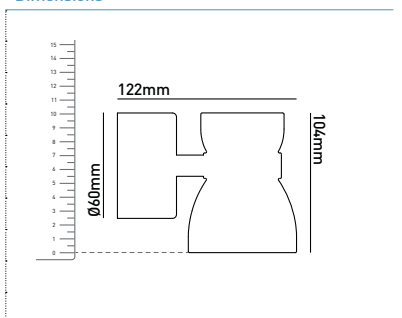
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL075A NW	18°	8W	L70, B10 70,000hrs	>70Ra	414	52	4680
	WL175A NW				>80Ra	330	41	4440
WW / 3000K	WL075A WW							



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	31
IP rating	65
Maximum ambient temperature (ta = °C)	39
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (kg)	1.2

Dimensions



WIRING

Cable/flying lead (m)	0.3 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 (driver built in)	N/A	No	2	N/A	N/A

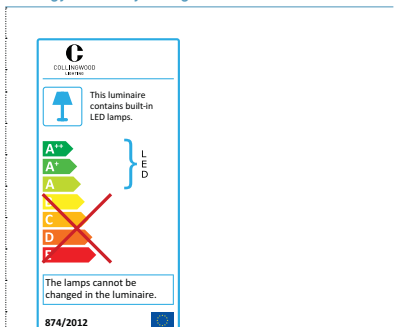
ACCESSORIES

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

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating



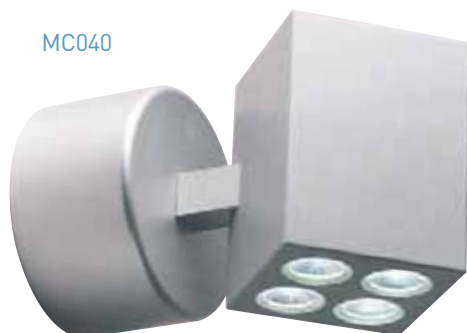
WALL LIGHTS

TECHNICAL SPECIFICATION SHEET

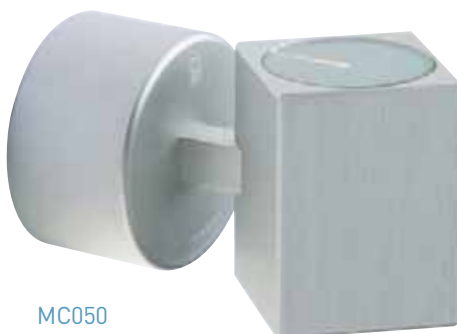


COLLINGWOOD
LIGHTING

MC040



MC050



MC040

MC050

STRAIGHT TO MAINS LED WALL LIGHT

STRAIGHT TO MAINS LED WALL LIGHT WITH DECORATIVE WALL EFFECT

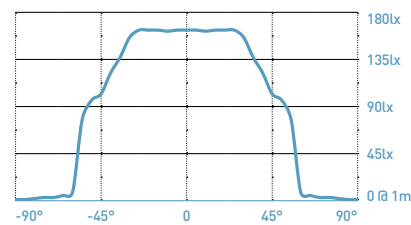


Features & Benefits

- Complete with wall fixings
- Integral LED light for decorative effect (MC050)
- Equivalent to 35W Halogen

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	MC040 NW	110°	5W	L70, B10 70,000hrs	>70Ra	312	62	163
	MC050 NW		6.5W				48	
WW / 3000K	MC040 WW		5W		>80Ra	243	48	118
	MC050 WW		6.5W				37	



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	36
IP rating	65
Maximum ambient temperature (ta = °C)	39
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	900

WIRING

Cable/flying lead (m)	0.3 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 (driver built in)	N/A	No	2	N/A	N/A

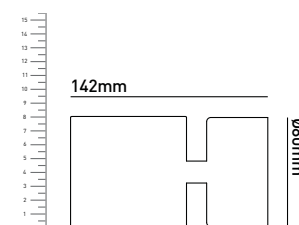
ACCESSORIES

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

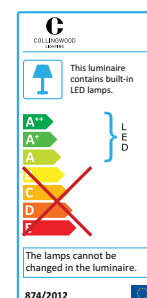
WARRANTY

1 year (7 year extended warranty available)

Dimensions

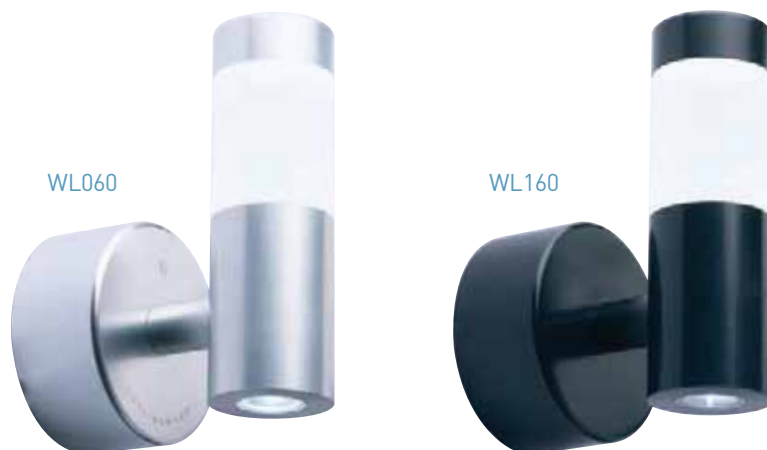


Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



WL060 / WL160

STRAIGHT TO MAINS LED HALO/FLOOD WALL LIGHT

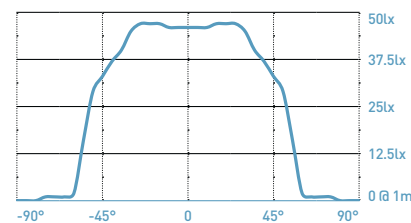


Features & Benefits

- Complete with wall fixings
- Halo effect for decoration
- LED flood light for illumination

PHOTOMETRICS @ 25°C

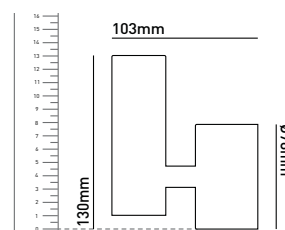
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL060 NW	110°	2.6W	L70, B10 70,000hrs	>70Ra	82	32	46
	WL160 NW							
WW / 3000K	WL060 WW				>80Ra	58	22	26
	WL160 WW							



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	36
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	600

Dimensions



WIRING

Cable/flying lead (m)	0.3 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 (driver built in)	N/A	No	2	N/A	N/A

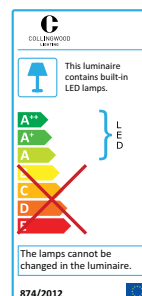
ACCESSORIES

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

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



OCTOLED

ROTATABLE OCTAGONAL LED WALL LIGHT

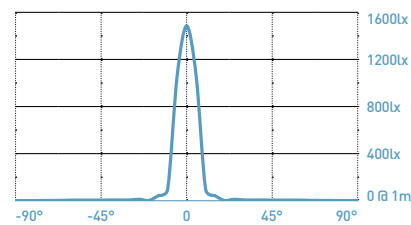


Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	OCTOLEDNW	12°	4W	L70, B10 70,000hrs	>70Ra	65	11	1485
WW / 3000K	OCTOLEDWW				>80Ra	55	37	1429



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	30
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	350
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (kg)	700

WIRING

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

LED DRIVERS

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

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

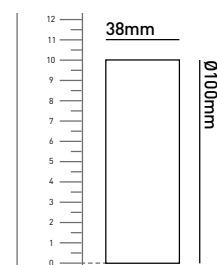
Product code	Description
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types

264

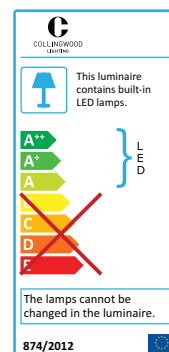
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



WL140A F



WL240A F

Patent No: GB2487912

WL140A F / WL240A F

STRAIGHT TO MAINS LED WALL LIGHT

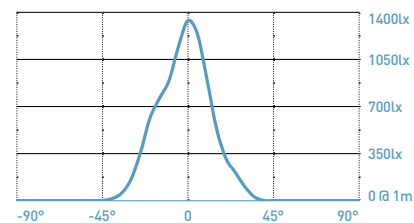


Features & Benefits

- Equivalent to 35W Halogen
- Complete with wall fixings
- Adjustable angle to direct light
- Cowl design to reduce glare
- Suitable for indoor/outdoor use

PHOTOMETRICS @ 25°C

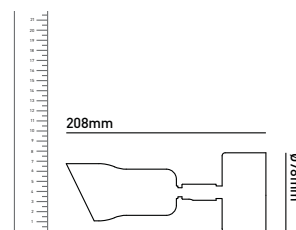
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL140AFNW	38°	8W	L70, B10 70,000hrs	>70Ra	421	53	1340
	WL240AFNW							
WW / 3000K	WL140AFWW				>80Ra	342	43	952
	WL240AFWW							



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	36
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	350
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	90
Weight (g)	700

Dimensions



WIRING

Cable/flying lead (m)	0.3 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 (driver built in)	N/A	No	2	N/A	N/A

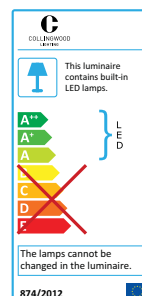
ACCESSORIES

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

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

WL220A MAINS

STRAIGHT TO MAINS LED WALL LIGHT

Features & Benefits

Equivalent to 20W Halogen

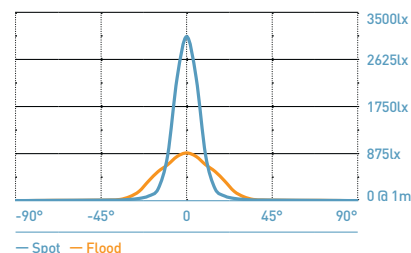
Complete with wall fixings

Adjustable angle to direct light

Suitable for indoor/outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL220A MAINS F NW	38°	3.6W	L70, B10 70,000hrs	>70Ra	243	68	887
	WL220A MAINS S NW	18°				276	77	3051
WW / 3000K	WL220A MAINS F WW	38°			>80Ra	180	50	420
	WL220A MAINS S WW	18°				180	50	1667



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (Integral)
Tilt angle (°)	90
Weight (kg)	1

WIRING

Cable/flying lead (m)	0.3 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 (driver built in)	N/A	No	2	N/A	N/A

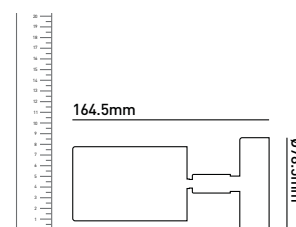
ACCESSORIES

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

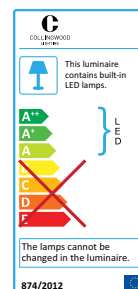
WARRANTY

1 year

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



WL220A



WL020A BLK



WL320A

Patent No: GB2487912

WL220A / WL020A BLK / WL320A

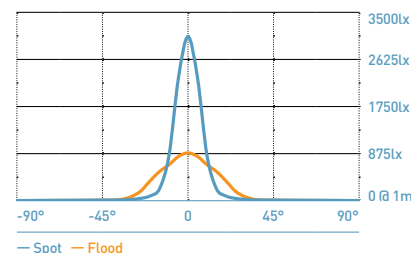
LED WALL LIGHT

Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL220A F NW	38°	3W	L70, B10 70,000hrs	>70Ra	243	81	887
	WL220A S NW	18°				276	92	3051
	WL020A BLK F NW	38°				243	81	887
	WL020A BLK S NW	18°				276	92	3051
	WL320A F NW	38°				243	81	887
WW / 3000K	WL220A F WW	38°			>80Ra	180	60	420
	WL220A S WW	18°				180	60	1667
	WL020A BLK F WW	38°				180	60	420
	WL320A F WW	38°				180	60	420



GENERAL

Bathroom zone	1
Construction material	WL220A / WL020A: Anodised Aluminium WL320A: Copper
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A [refer to LED DRIVERS section below]
Tilt angle (°)	90
Weight (kg)	WL220A / WL020A: 1 WL320A: 1.4

WIRING

Cable/flying lead (m)	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			No	1	1	1
PLD UNIDRIVE			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

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

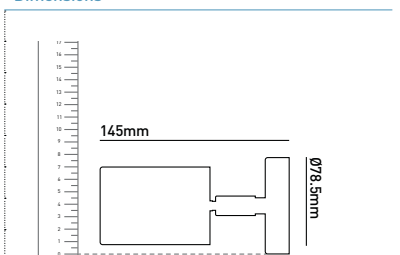
264

WARRANTY

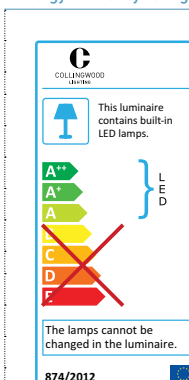
1 year

2

Dimensions



Energy efficiency rating

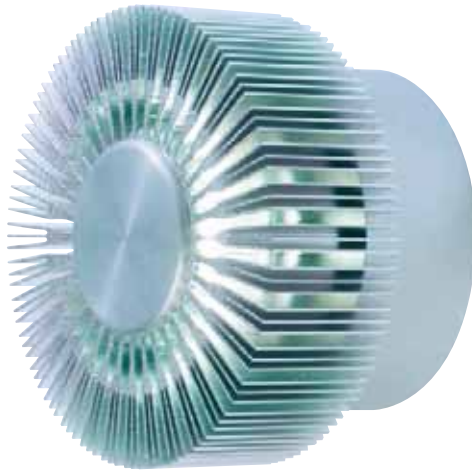


WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



WL041 IP

STRAIGHT TO MAINS FAN EFFECT LED WALL LIGHT



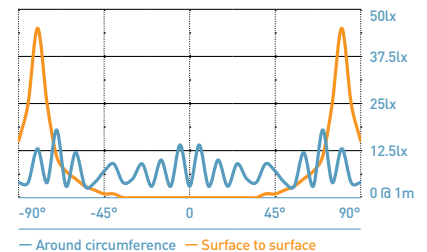
Features & Benefits

Straight to mains

Installation bracket included

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL041 IP NW	N/A°	1.6W	L70, B10 70,000hrs	>70Ra	TBC		
AM	WL041 IP AMBER					N/A		
BL	WL041 IP BLUE							



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	29
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	300

WIRING

Cable/flying lead (m)	N/A
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)	N/A	No	2	N/A	N/A

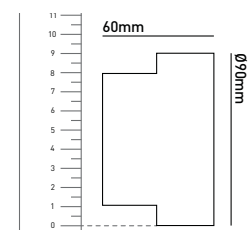
ACCESSORIES

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

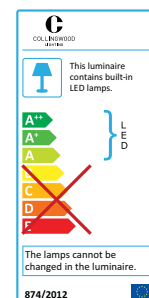
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



WL050

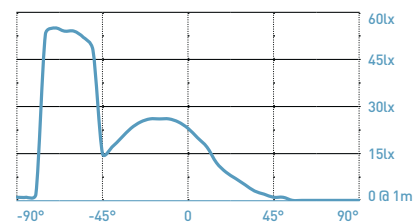
LED WALL/STEP LIGHT

Features & Benefits

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

PHOTOMETRICS @ 25°C

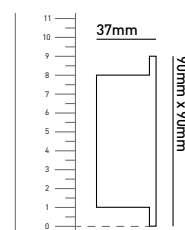
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	WL050 NW	84°	1.2W	50,000hrs	>70Ra	62	52	23
WW / 3000K	WL050 WARM WHITE					29	24	13
BL	WL050 BLUE					N/A		



GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Aluminium
Cut-out (mm)	77 x 77
Face temperature when lit (°C)	28
IP rating	20
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

Dimensions



WIRING

Cable/flying lead (m)	0.3 (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	N/A	1	7
PLR/350 1-5			No	N/A	1	4
PLD UNIDRIVE			Yes (1-10V)	N/A	1	8

For additional LED Drivers see page 230

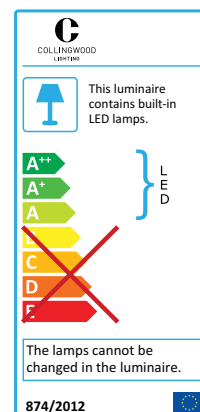
ACCESSORIES

Product code	Description	
WL050 WALL BOX	Wall box for WL050	140
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190

WARRANTY

1 year

Energy efficiency rating

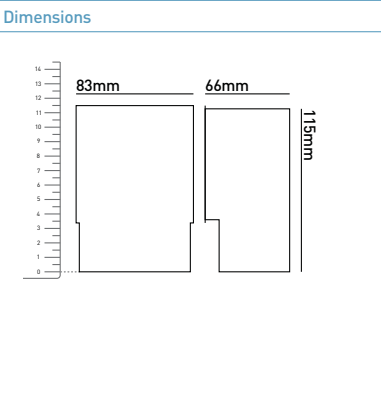




WL050 WALL BOX
WALL BOX FOR WL050

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

PRODUCT DATA	
Product Code	WL050 WALL BOX
GENERAL	
Bathroom zone	N/A
Construction material	Steel
Cut-out (mm)	77 x 77
IP rating	20
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	N/A
WARRANTY	
1 year	



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



MC015 S STRAIGHT TO MAINS MINI LED CUBE WALL LIGHT

MC025 S STRAIGHT TO MAINS UP/DOWN MINI LED CUBE WALL LIGHT

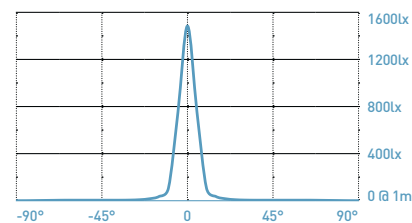


Features & Benefits

- Straight to mains
- Complete with wall fixings
- Pattress box included

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	MC015 S NW	12°	1.5W	L70, B10 70,000hrs	>70Ra	70	47	1485
	MC025 S NW		2.3W			140	61	1485
WW / 3000K	MC015 S WW		1.5W		>80Ra	55	37	1466
BL	MC015 S BL		1.5W			N/A		
	MC025 S BL		2.3W					



GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	MC015: 38 MC025: 30
IP rating	20
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	N/A
Weight (g)	200

WIRING

Cable/flying lead (m)	N/A
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)	N/A	No	N/A	N/A	N/A

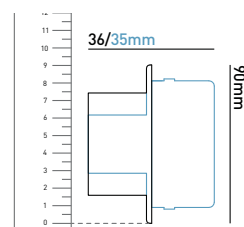
ACCESSORIES

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

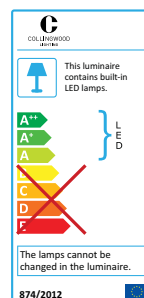
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



MC020 S

UP/DOWN MINI CUBE LED WALL LIGHT

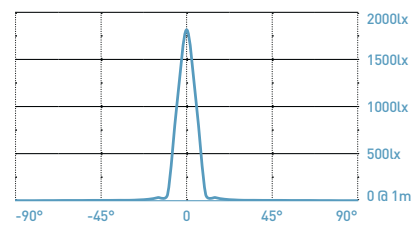


Features & Benefits

- Bespoke wall plug for easy installation
- Quality brushed Aluminium finish
- Requires 20mm drill

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	MC020 S NW	12°	2W	L70, B10 70,000hrs	>70Ra	140	70	1485
WW / 3000K	MC020 S WARM WHITE				>80Ra	110	55	1466
AM	MC020 S AMBER				N/A			
BL	MC020 S BLUE							
GR	MC020 S GREEN							
RE	MC020 S RED							



GENERAL

Bathroom zone	1
Construction material	Anodised Aluminium
Cut-out (mm)	20
Face temperature when lit (°C)	39
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	150

WIRING

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

LED DRIVERS

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

For LED driver bathroom zone & additional LED Drivers see page 230

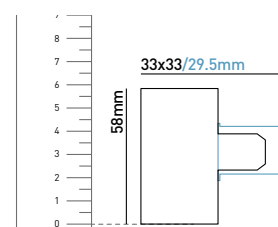
ACCESSORIES

Product code	Description	
CR135	PTFE cable	268
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
UY2 CONNECTOR	Quick waterproof connector	268

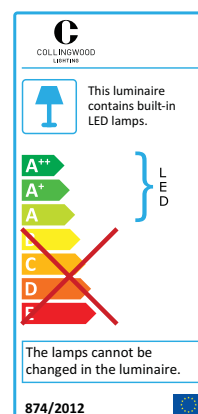
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



MC010 S

MINI CUBE LED WALL LIGHT

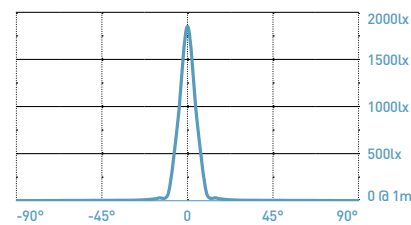


Features & Benefits

- Bespoke wall plug for easy installation
- Quality brushed Aluminium finish
- Requires 20mm drill

PHOTOMETRICS @ 25°C

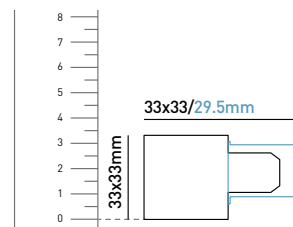
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	MC010 S NW	12°	1W	L70, B10 70,000hrs	>70Ra	70	70	1485
WW / 3000K	MC010 S WARM WHITE				>80Ra	55	55	1466
AM	MC010 S AMBER				N/A			
BL	MC010 S BLUE							
GR	MC010 S GREEN							
RE	MC010 S RED							



GENERAL

Bathroom zone	1
Construction material	Anodised Aluminium
Cut-out (mm)	20
Face temperature when lit (°C)	34
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

Dimensions



WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
CR135	PTFE cable	268
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
UY2 CONNECTOR	Quick waterproof connector	268

WARRANTY

1 year (7 year extended warranty available)

2

LUMILEDS

The Brighter LED

WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



MF02 IP

ADJUSTABLE LED MINI LIGHT



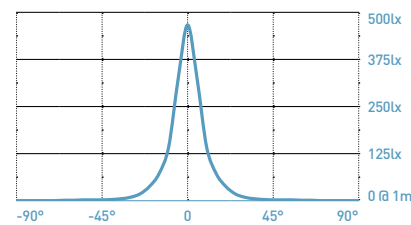
Features & Benefits

Mounting plates available

Can be rotated and angled to direct light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	MF02 IP NW	16°	1W	L70, B10 70,000hrs	<70Ra	66	66	452
WW / 3000K	MF02 IP WARM WHITE				<80Ra	53	53	252
AM	MF02 IP AMBER				N/A			
BL	MF02 IP BLUE							
GR	MF02 IP GREEN							
RE	MF02 IP RED							



GENERAL

Bathroom zone	1
Construction material	Stainless Steel [316]
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	37
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	45
Weight (g)	90

WIRING

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

LED DRIVERS

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

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

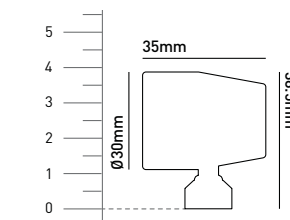
Product code	Description	
WB/M 01 / WB/M 02	Single bracket / Double bracket	146
CR135	PTFE cable	268
UY2 CONNECTOR	Quick waterproof connector	268

For additional accessories see page 147

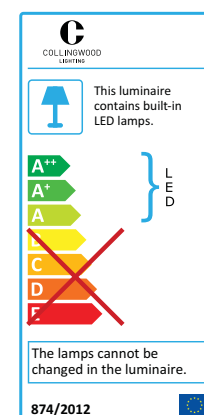
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



MS02 IP

ADJUSTABLE LED MINI LIGHT



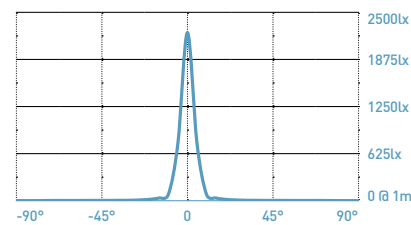
Features & Benefits

Mounting plates available

Can be rotated and angled to direct light

PHOTOMETRICS @ 25°C

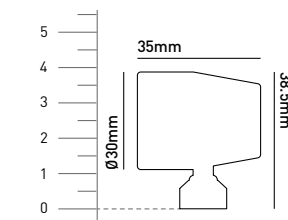
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	MS02 IP NW	12°	1W	L70, B10 70,000hrs	>70Ra	73	73	2160
WW / 3000K	MS02 IP WARM WHITE				>80Ra	50	50	2000
AM	MS02 IP AMBER				N/A			
BL	MS02 IP BLUE							
GR	MS02 IP GREEN							
RE	MS02 IP RED							



GENERAL

Bathroom zone	1
Construction material	Stainless Steel (316)
Cut-out (mm)	N/A
Face temperature when lit (°C)	28
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	45
Weight (g)	90

Dimensions



WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
WB/M 01 / WB/M 02	Single bracket / Double bracket	146
CR135	PTFE cable	268
UY2 CONNECTOR	Quick waterproof connector	268

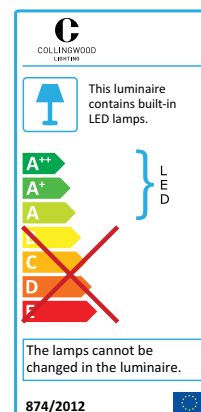
For additional accessories see page 147

WARRANTY

1 year (7 year extended warranty available)

2

Energy efficiency rating



WB/M 01



WB/M 02

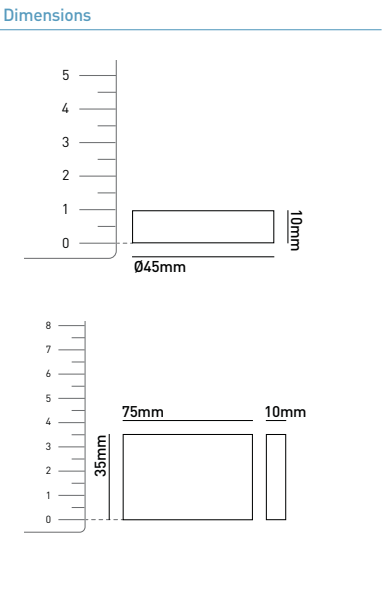


WB/M 01 / WB/M 02
BRACKETS FOR MF02 IP & MS02 IP

Features & Benefits

Complete with wall fixings

PRODUCT DATA	
Product Code	WB/M01
	WB/M02
GENERAL	
Bathroom zone	N/A
Construction material	Stainless Steel 316
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
ACCESSORIES	
Product code	Description
MF02 IP	Adjustable LED mini light 144
MS02 IP	Adjustable LED mini light 145
WIRING	
Cable	N/A
Series/Parallel	N/A
WARRANTY	
1 year	2



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

WB/M 02/30°



WB/M BOX



WB/M 02/30° ANGLED DOUBLE BRACKET

WB/M BOX BACK BOX FOR WB/M 02/30°

Features & Benefits

WB/M 02/30°

Complete with wall fixings

30° angle

WB/M BOX

Patress box wall bracket

Contains Earth connector to house LED Driver

PRODUCT DATA

Product Code	WB/M 02/30 DEGREE
	WB/M BOX

GENERAL

Bathroom zone	N/A
Construction material	WB/M 02/30 : Stainless Steel 316 WB/M BOX: Steel
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A

ACCESSORIES

Product code	Description	
MF02 IP (WB/M 02/30°)	Adjustable LED mini light	144
MS02 IP (WB/M 02/30°)	Adjustable LED mini light	145
PLS/350 2-3 (WB/M BOX)	LED Driver (series)	235

WIRING

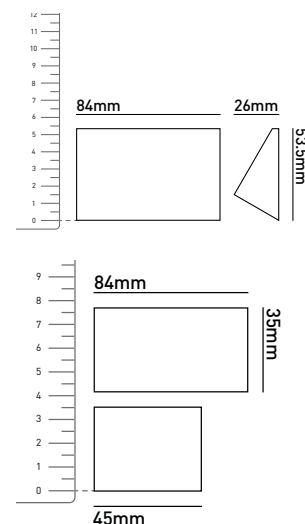
Cable	N/A
Series/Parallel	N/A

WARRANTY

1 year

2

Dimensions



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



ML02

DECORATIVE LED MINI LIGHT

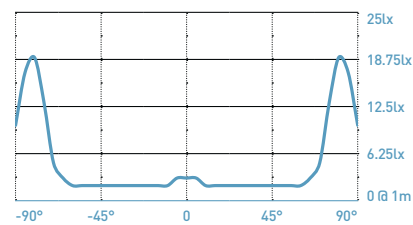


Features & Benefits

- Clear epoxy lenses
- Small & discreet for decorative effect

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	ML02 NW	N/A	1W	L70, B10 70,000hrs	>70Ra	35	35	3
WW / 3000K	ML02 WARM WHITE				>80Ra	24	24	4
AM	ML02 AMBER				N/A	N/A	N/A	N/A
BL	ML02 BLUE							
GR	ML02 GREEN							
RE	ML02 RED							



GENERAL

Bathroom zone	0
Building regulations	N/A
Construction material	Stainless Steel [316]
Cut-out (mm)	26
Face temperature when lit (°C)	41
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	90

WIRING

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

LED DRIVERS

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

For LED driver bathroom zone & additional LED Drivers see page 230

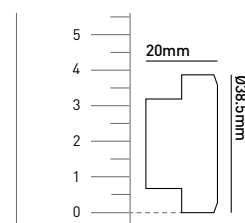
ACCESSORIES

Product code	Description	
CR135	PTFE cable	268
UY2 CONNECTOR	Quick waterproof connector	268

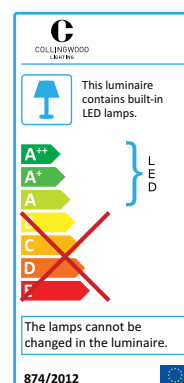
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



WALL LIGHTS

TECHNICAL SPECIFICATION SHEET



ML03

MINI HALO LED WALL LIGHT

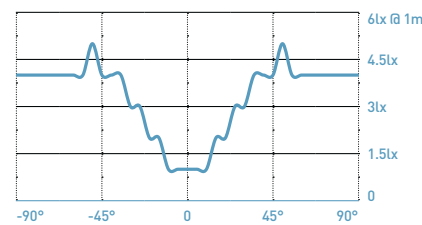


Features & Benefits

- Low glare, suitable for stair lighting
- Small and discreet

PHOTOMETRICS @ 25°C

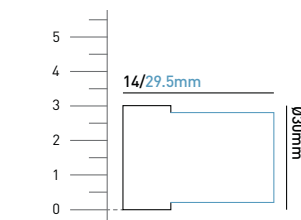
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	ML03 NW	N/A	1W	L70, B10 70,000hrs	>70Ra	40	40	4
WW / 3000K	ML03 WARM WHITE				>80Ra	28	28	3
AM	ML03 AMBER				N/A			
BL	ML03 BLUE				N/A			
GR	ML03 GREEN				N/A			
RE	ML03 RED				N/A			



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	26
Face temperature when lit (°C)	36
IP rating	65
Maximum ambient temperature (ta = °C)	30
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A [refer to LED DRIVERS section below]
Tilt angle (°)	N/A
Weight (g)	50

Dimensions



WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

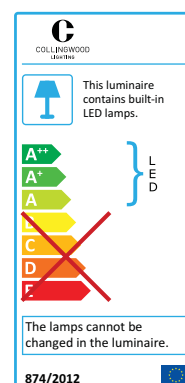
Product code	Description	
CR135	PTFE cable	268
UY2 CONNECTOR	Quick waterproof connector	268

WARRANTY

1 year (7 year extended warranty available)

2

Energy efficiency rating



STRIP LIGHTS

Why choose Collingwood strip lights?

Collingwood offers you an extensive range of strip lighting, ideal for creating striking results in almost any environment. We offer a comprehensive range of accessories designed to make installation of our strip lights simple and quick. Choose from a range of styles and LED colours to emphasise signs, pelmets, stairs and walls. Collingwood LED3528, LEDIP3528 and LEDIP5050 strip contain output control technology. This means Collingwood strip goes farther than most on the market. It ensures that all of the LEDs receive the same current which is vital in ensuring that the LEDs emit the same number of lumens, are at the same colour temperature and at the same CRI throughout the entire length (up to 20m when using LED3528).

Varied use

Our wide range of strip lighting, encompassing flexible and rigid strip lights, as well as our accessories, means that almost anywhere can be transformed by Collingwood strip lights. IP rated products in the range offer the option of both internal and external use, while flexible strip lights offer quick and easy installation. Our connectors eliminate the need for ugly wiring when going around sharp corners, giving you a high quality finish to your installation.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



STRIP LIGHTS VERSATILE, STRIKING, DISCREET

Flexible or rigid, Collingwood Lighting's strip lights are a fast way of creating stunning results. Great for signs, pelmets, stairs and walls. Available for indoor and outdoor use.

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



STARSTRIP

FIXED WATERPROOF LED STRIP*

Features & Benefits

Utilises 'next generation' current regulation technology for consistent light output over distance

Aluminium backed strip for higher light output and longer life

Easy to affix to surfaces, fixing clips included

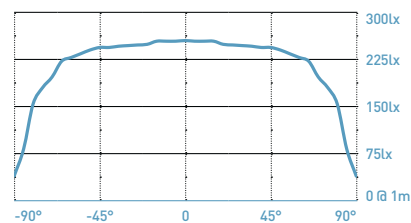
Link to additional STARSTRIP using 'Plug & Play' connectors

*Supplied connectors are not waterproof.
To make waterproof, remove connectors and replace with UY2s

1m extension leads available

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	STARSTRIP/32 NW	120°	5W	70,000hrs	>70Ra	200	40	89
	STARSTRIP/62 NW		10W			477	48	171
	STARSTRIP/92 NW		15W			640	43	203
	STARSTRIP/122 NW		20W			850	43	255
WW / 3000K	STARSTRIP/32 WW		5W			222	45	78
	STARSTRIP/62 WW		10W			464	46	162
	STARSTRIP/92 WW		15W			670	44	226
	STARSTRIP/122 WW		20W			890	44	297



GENERAL

Bathroom zone	1 (when used with UY2 connectors) 2 when 1-10V dimmed
Construction material	Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	45
IP rating	60 (IP65 when used with UY2 connectors)
Maximum ambient temperature (ta = °C)	30
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	70 / 100 / 200 / 300

WIRING

Cable/flying lead (m)	0.15
Type of wiring required	Parallel (Plug & Play) NB: Removal of plugs will render this product non-returnable

LED DRIVERS

Max number of STARSTRIP units per driver

Product code	SELV	...32	...62	...92	...122
PDC/20/24 (1-10V dimming)*		4	2	1	N/A
PSDIP10024	Yes	20	10	7	5
PSIP24024 (dimable - PDCINT 1-10V)*		24	12	8	6

* Bathroom zone 2 when dimming

For additional LED Drivers see page 230

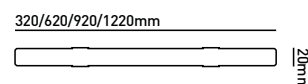
ACCESSORIES

Product code	Description	
STARSTRIP 1M EXT	Cable extension for STARSTRIP	153
UY2 CONNECTOR	Quick waterproof connector	268
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

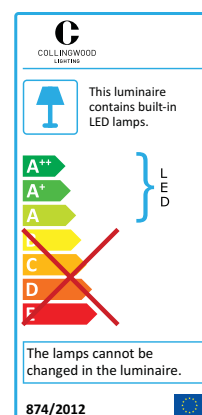
WARRANTY

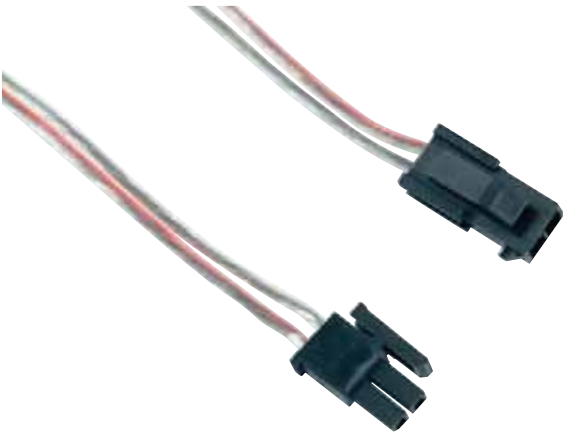
1 year

Dimensions



Energy efficiency rating





STARSTRIP EXT

CABLE EXTENSION FOR STARSTRIP

Features & Benefits
Plug & Play extension for non IP environment

PRODUCT DATA	
Product Code	STARSTRIP 1M EXT STARSTRIP 30CM EXT
GENERAL	
Bathroom zone	N/A
Construction material	Copper cable
Cut-out (mm)	N/A
IP rating	20
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	Parallel
WARRANTY	
1 year	

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



Product pictured in PROFILE 6X12 SIL (not included)

LEDSTRIP IP

FLEXIBLE WATERPROOF LED STRIP

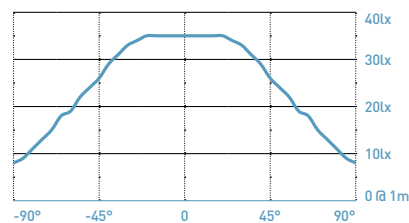
Features & Benefits

- Cut point every 167mm
- Range of wall & floor profiles available
- Suitable for indoor & outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LEDSTRIP IP NW	130°	2.9W	70,000hrs	>70Ra	224	77	35
WW / 3000K	LEDSTRIP IP WW				>60Ra	207	71	28
AM	LEDSTRIP IP AMB				N/A			
BL	LEDSTRIP IP BL							
RE	LEDSTRIP IP RED							

NB: Product cut to specific requirements and is non-returnable



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Plastic
Cut-out (mm)	N/A
Face temperature when lit (°C)	37
IP rating	66
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	100

WIRING

Cable/flying lead (m)	N/A
Type of wiring required	Parallel

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Min (m)	Max (m)
PDC/10/24V	N/A	Yes	Yes (PDCINT1-10V)*	1	1	3
PDC/20/24V			Yes (1-10V)*	1	1	6
PSDIP10024			Yes (1-10V)*	1	1	34

* Bathroom zone 2 when dimming

For additional LED Drivers see page 230

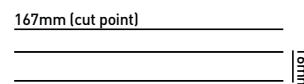
ACCESSORIES

Product code	Description	
CONNECTOR 6X12 / 5M	450mm/5m IP rated connector set for LEDSTRIP	155
CON EXT M/F 6X12	Extension lead for LEDSTRIP	155
CONNECTOR L, T, X 6X12	Connectors for LEDSTRIP	155
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

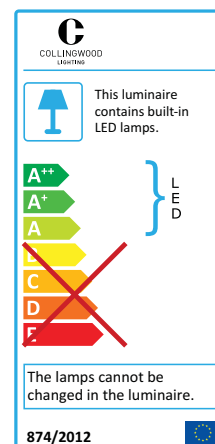
WARRANTY

1 year

Dimensions



Energy efficiency rating



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



CONNECTOR 6X12

IP RATED CONNECTOR SET FOR LEDSTRIP IP AVAILABLE IN 450MM OR 5M LENGTHS

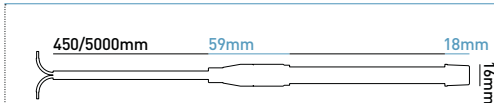
PRODUCT DATA

Product Code	CONNECTOR 6X12
	CONNECTOR 6X12 5M
Bathroom zone	1
Construction material	Plastic
IP rating	66
Series/Parallel	Parallel
Weight (g)	100
Warranty	1 year 2

FEATURES & BENEFITS

Set includes: 450mm/5m set includes:
Male/Female connectors (+ fittings)
LEDSTRIP IP end cap

DIMENSIONS



CONNECTOR 6X12

CONNECTORS FOR LEDSTRIP IP

PRODUCT DATA

Product Code	CONNECTOR L 6X12 (L shape for sharp corners)
	CONNECTOR T 6X12 (T junction connector)
	CONNECTOR X 6X12 (Cross connector)
Bathroom zone	1
Construction material	Plastic
IP rating	66
Weight (kg)	100
Warranty	1 year 2

ACCESSORIES

Product code	Description	
CON FEMALE 6X12	Female connector	155
CON MALE 6X12	Male connector	155

FEATURES & BENEFITS

Eliminates the need for ugly wiring when going around sharp corners
Gives extra strength to your installation
Requires CON MALE & FEMALE 6X12 for every L,T & X

CON EXT 6X12

EXTENSION LEAD FOR LEDSTRIP IP



PRODUCT DATA

Product Code	CON EXT M/F 6X12
Bathroom zone	1
Construction material	Copper core cable
IP rating	66
Series/Parallel	Parallel connections
Weight (kg)	300
Warranty	1 year 2

ACCESSORIES

Product code	Description	
CON FEMALE 6X12	Extension lead for LEDSTRIP IP	155
CON MALE 6X12	Extension lead for LEDSTRIP IP	155

FEATURES & BENEFITS

1.85m Male/Female extension lead for LEDSTRIP IP

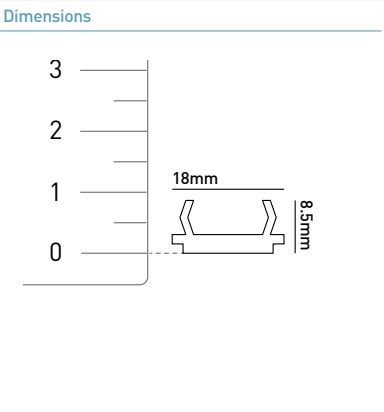
Male and Female connectors required for this product and when connecting to CONNECTOR L, T & X 6X12



U PROFILE 6X12 1M
MOUNTING PROFILE FOR THE LEDSTRIP IP

Features & Benefits
Can be cut to size
Self adhesive backing
Supplied in 1m strips

PRODUCT DATA	
Product Code	U PROFILE 6X12 1MT
GENERAL	
Bathroom zone	N/A
Construction material	Plastic
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	N/A
WARRANTY	
1 year	



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



LINE PROFILE 20MM 1M

RECESSED PROFILE FOR LEDSTRIP IP

Features & Benefits

Use U PROFILE to secure LEDSTRIP IP in LINE PROFILE

Clear and Frosted cover available (sold separately)

Supplied in 1m lengths

2x LINE PROF END CAPs recommended to seal exposed ends of LINE PROFILE 20MM 1M

3x LINE PROF FIX CLIPS recommended per 1m

PRODUCT DATA

Product Code	LINE PROFILE 20MM 1M
--------------	----------------------

GENERAL

Bathroom zone	N/A
Construction material	Aluminium
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	800

WIRING

Cable	N/A
Series/Parallel	N/A

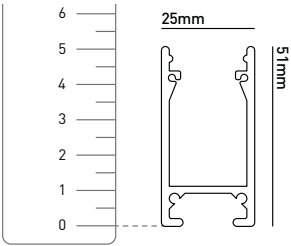
ACCESSORIES

Product Code	Description	
U PROFILE 6X12 1M	Mounting profile for the LEDSTRIP IP	156
LINE PROF END CAP	End cap for LINE PROFILE 20MM 1M	158
LINE PROF FIX CAP	Fixing clip for LINE PROFILE 20MM 1M	158

WARRANTY

1 year	2
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Dimensions



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

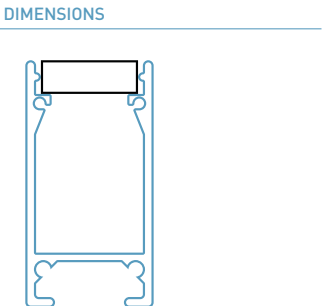


ACRYLIC COVER

CLEAR & FROSTED COVERS FOR LINE PROFILE 20MM 1M

PRODUCT DATA	
Product Code	ACRYLIC COVER C 1M
	ACRYLIC COVER F 1M
Construction material	Acrylic
Warranty	1 year

FEATURES & BENEFITS
1m lengths
Clear to enclose light source
Frosted to diffuse light source

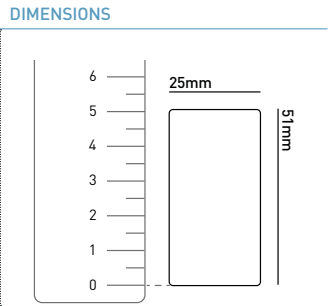


LINE PROF END CAP

END CAP FOR LINE PROFILE 20MM 1M

PRODUCT DATA	
Product Code	LINE PROF END CAP
Construction material	Aluminium
Warranty	1 year

FEATURES & BENEFITS
End caps help to complete installation to a quality finish
Screw to end of profile

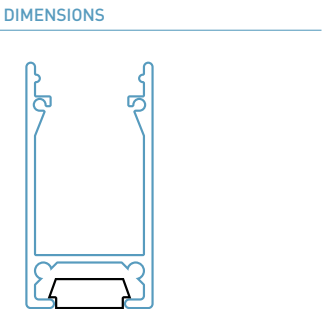


LINE PROF FIX CLIP

FIXING CLIP FOR LINE PROFILE 20MM 1M

PRODUCT DATA	
Product Code	LINE PROF FIX CLIP
Construction material	Rubber
Warranty	1 year

FEATURES & BENEFITS
Allows line profile to be fixed to surfaces
Screw & wall plug supplied



STRIP LIGHTS
TECHNICAL SPECIFICATION SHEET

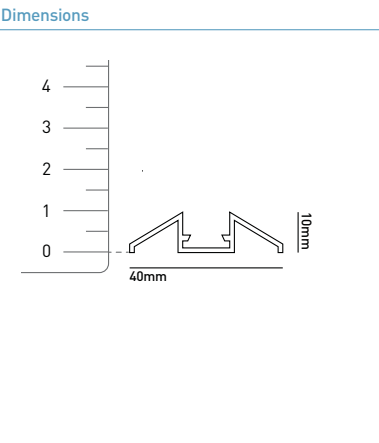


PROFILE 6X12
WALL/FLOOR PROFILE FOR LEDSTRIP IP

Features & Benefits

- Available in silver & black
- Can be cut to required length
- Supplied in 1m lengths

PRODUCT DATA	
Product Code	PROFILE 6X12 SIL 1M PROFILE 6X12 BLK 1M
GENERAL	
Bathroom zone	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	N/A
WARRANTY	
1 year	



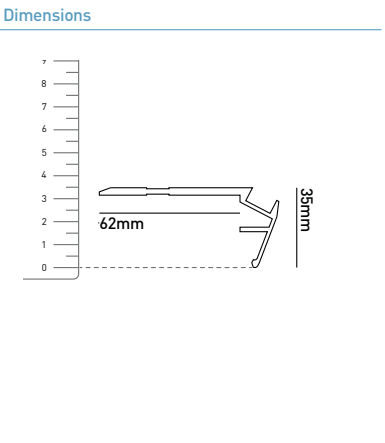


STAIR PROFILE
STAIR NOSING FOR LEDSTRIP IP

Features & Benefits
Available in silver & black
Can be cut to required length
Easy to affix to front face of stairs
Supplied in 1m lengths

PRODUCT DATA	
Product Code	STAIR PROFILE SIL 1M STAIR PROFILE BLK 1M
GENERAL	
Bathroom zone	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	N/A

WARRANTY	
1 year	2



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



LED3528

SELF ADHESIVE FLEXIBLE STRIP

Features & Benefits

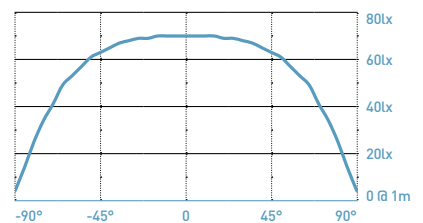
- Cut point every 100mm
- 250mm fly leads attached
- High quality LED strip using current regulation
- Next generation strip. Long lengths (up to 20m) suffer no light loss
- Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- Self adhesive backing
- Supplied in customised lengths (0.1m upto 20m in 0.1m increments)
- NB: Cutting to required length will render this product non-returnable

PHOTOMETRICS@ 25°C

Colour	Beam angle	Wattage/m	Life of LED	CRI	lm/m	lm/W	lx (1m)
NW / 4000K	150°	4.8W	70,000hrs	>70Ra	350	73	85
WW / 3000K					350	73	64
BL					N/A		

ORDER CODES

LS3NW050	5m reel of Neutral White LED3528
LS3WW050	5m reel of Warm White LED3528
LS3NW200	20m reel of Neutral White LED3528
LS3WW200	20m reel of Warm White LED3528
LS3NWXXX	Bespoke length of Neutral White LED3528 strip. XXX to be replaced by bespoke length eg. 010 = 1m, 021 = 2.1m etc
LS3WWXXX	Bespoke length of Warm White LED3528 strip. XXX to be replaced by bespoke length eg. 010 = 1m, 021 = 2.1m etc
LED3528 BL	Self adhesive flexible strip in Blue



GENERAL

Construction material	Flexible Tape
Face temperature when lit (°C)	32
IP rating	20
Maximum ambient temperature (ta = °C)	35
SELV (safety extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g/m)	10

WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min (m)	Max (m)
PDC/10/24V	N/A	Yes	Yes (PDCINT1-10V)	N/A	1	2
PDC/20/24V			Yes (1-10V)	N/A	1	4
PS10024			Yes (PDCINT1-10V)	N/A	1	20

ACCESSORIES

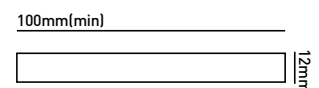
Product code	Description	
LED STRIP PROFILE RANGE	Range of profiles to house LED3528, LEDIP3528 & LEDIP5050	168-176
LED COVE PACK	Coving to house adhesive strip	177
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY

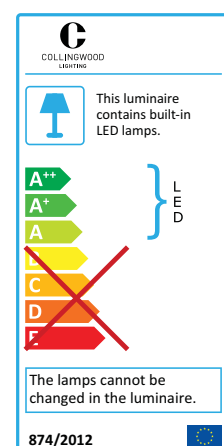
3 years

2

Dimensions

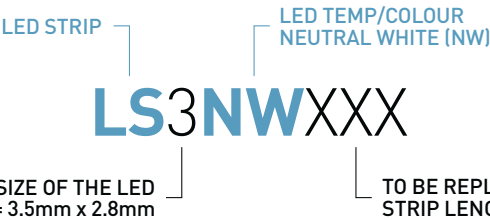


Energy efficiency rating



LED3528
PARTCODE
BREAKDOWN

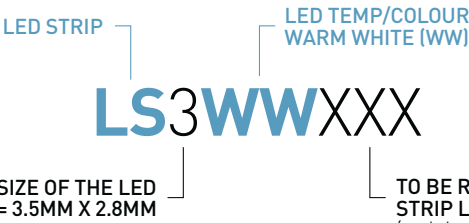
Supplied in customised lengths (0.1m up to 20m). Priced in 0.1m increments after the first metre. Also available in a 20m reel. **XXX** to be replaced by bespoke length, see overleaf for full list of bespoke partcodes.



USE THE TABLE BELOW AND SELECT YOUR METERAGE TO DETERMINE YOUR PARTCODE

LS3NWXXX (partcodes for bespoke lengths of LED3528 in Neutral White)											
		5m		10m		15m					
		LS3NW050		LS3NW100		LS3NW150					
0.1m	LS3NW001	5.1m	LS3NW051	10.1m	LS3NW101	15.1m	LS3NW151				
0.2m	LS3NW002	5.2m	LS3NW052	10.2m	LS3NW102	15.2m	LS3NW152				
0.3m	LS3NW003	5.3m	LS3NW053	10.3m	LS3NW103	15.3m	LS3NW153				
0.4m	LS3NW004	5.4m	LS3NW054	10.4m	LS3NW104	15.4m	LS3NW154				
0.5m	LS3NW005	5.5m	LS3NW055	10.5m	LS3NW105	15.5m	LS3NW155				
0.6m	LS3NW006	5.6m	LS3NW056	10.6m	LS3NW106	15.6m	LS3NW156				
0.7m	LS3NW007	5.7m	LS3NW057	10.7m	LS3NW107	15.7m	LS3NW157				
0.8m	LS3NW008	5.8m	LS3NW058	10.8m	LS3NW108	15.8m	LS3NW158				
0.9m	LS3NW009	5.9m	LS3NW059	10.9m	LS3NW109	15.9m	LS3NW159				
1m	LS3NW010	6m	LS3NW060	11m	LS3NW110	16m	LS3NW160				
1.1m	LS3NW011	6.1m	LS3NW061	11.1m	LS3NW111	16.1m	LS3NW161				
1.2m	LS3NW012	6.2m	LS3NW062	11.2m	LS3NW112	16.2m	LS3NW162				
1.3m	LS3NW013	6.3m	LS3NW063	11.3m	LS3NW113	16.3m	LS3NW163				
1.4m	LS3NW014	6.4m	LS3NW064	11.4m	LS3NW114	16.4m	LS3NW164				
1.5m	LS3NW015	6.5m	LS3NW065	11.5m	LS3NW115	16.5m	LS3NW165				
1.6m	LS3NW016	6.6m	LS3NW066	11.6m	LS3NW116	16.6m	LS3NW166				
1.7m	LS3NW017	6.7m	LS3NW067	11.7m	LS3NW117	16.7m	LS3NW167				
1.8m	LS3NW018	6.8m	LS3NW068	11.8m	LS3NW118	16.8m	LS3NW168				
1.9m	LS3NW019	6.9m	LS3NW069	11.9m	LS3NW119	16.9m	LS3NW169				
2m	LS3NW020	7m	LS3NW070	12m	LS3NW120	17m	LS3NW170				
2.1m	LS3NW021	7.1m	LS3NW071	12.1m	LS3NW121	17.1m	LS3NW171				
2.2m	LS3NW022	7.2m	LS3NW072	12.2m	LS3NW122	17.2m	LS3NW172				
2.3m	LS3NW023	7.3m	LS3NW073	12.3m	LS3NW123	17.3m	LS3NW173				
2.4m	LS3NW024	7.4m	LS3NW074	12.4m	LS3NW124	17.4m	LS3NW174				
2.5m	LS3NW025	7.5m	LS3NW075	12.5m	LS3NW125	17.5m	LS3NW175				
2.6m	LS3NW026	7.6m	LS3NW076	12.6m	LS3NW126	17.6m	LS3NW176				
2.7m	LS3NW027	7.7m	LS3NW077	12.7m	LS3NW127	17.7m	LS3NW177				
2.8m	LS3NW028	7.8m	LS3NW078	12.8m	LS3NW128	17.8m	LS3NW178				
2.9m	LS3NW029	7.9m	LS3NW079	12.9m	LS3NW129	17.9m	LS3NW179				
3m	LS3NW030	8m	LS3NW080	13m	LS3NW130	18m	LS3NW180				
3.1m	LS3NW031	8.1m	LS3NW081	13.1m	LS3NW131	18.1m	LS3NW181				
3.2m	LS3NW032	8.2m	LS3NW082	13.2m	LS3NW132	18.2m	LS3NW182				
3.3m	LS3NW033	8.3m	LS3NW083	13.3m	LS3NW133	18.3m	LS3NW183				
3.4m	LS3NW034	8.4m	LS3NW084	13.4m	LS3NW134	18.4m	LS3NW184				
3.5m	LS3NW035	8.5m	LS3NW085	13.5m	LS3NW135	18.5m	LS3NW185				
3.6m	LS3NW036	8.6m	LS3NW086	13.6m	LS3NW136	18.6m	LS3NW186				
3.7m	LS3NW037	8.7m	LS3NW087	13.7m	LS3NW137	18.7m	LS3NW187				
3.8m	LS3NW038	8.8m	LS3NW088	13.8m	LS3NW138	18.8m	LS3NW188				
3.9m	LS3NW039	8.9m	LS3NW089	13.9m	LS3NW139	18.9m	LS3NW189				
4m	LS3NW040	9m	LS3NW090	14m	LS3NW140	19m	LS3NW190				
4.1m	LS3NW041	9.1m	LS3NW091	14.1m	LS3NW141	19.1m	LS3NW191				
4.2m	LS3NW042	9.2m	LS3NW092	14.2m	LS3NW142	19.2m	LS3NW192				
4.3m	LS3NW043	9.3m	LS3NW093	14.3m	LS3NW143	19.3m	LS3NW193				
4.4m	LS3NW044	9.4m	LS3NW094	14.4m	LS3NW144	19.4m	LS3NW194				
4.5m	LS3NW045	9.5m	LS3NW095	14.5m	LS3NW145	19.5m	LS3NW195				
4.6m	LS3NW046	9.6m	LS3NW096	14.6m	LS3NW146	19.6m	LS3NW196				
4.7m	LS3NW047	9.7m	LS3NW097	14.7m	LS3NW147	19.7m	LS3NW197				
4.8m	LS3NW048	9.8m	LS3NW098	14.8m	LS3NW148	19.8m	LS3NW198				
4.9m	LS3NW049	9.9m	LS3NW099	14.9m	LS3NW149	19.9m	LS3NW199				
						20m	LS3NW200				

LED3528
PARTCODE
BREAKDOWN



Supplied in customised lengths (0.1m up to 20m). Priced in 0.1m increments after the first metre. Also available in a 20m reel. **XXX** to be replaced by bespoke length, see overleaf for full list of bespoke partcodes.

USE THE TABLE BELOW AND SELECT YOUR METERAGE TO DETERMINE YOUR PARTCODE

LS3WWXXX (partcodes for bespoke lengths of LED3528 in Warm White)					
		5m	LS3WW050	10m	LS3WW100
0.1m	LS3WW001	5.1m	LS3WW051	10.1m	LS3WW101
0.2m	LS3WW002	5.2m	LS3WW052	10.2m	LS3WW102
0.3m	LS3WW003	5.3m	LS3WW053	10.3m	LS3WW103
0.4m	LS3WW004	5.4m	LS3WW054	10.4m	LS3WW104
0.5m	LS3WW005	5.5m	LS3WW055	10.5m	LS3WW105
0.6m	LS3WW006	5.6m	LS3WW056	10.6m	LS3WW106
0.7m	LS3WW007	5.7m	LS3WW057	10.7m	LS3WW107
0.8m	LS3WW008	5.8m	LS3WW058	10.8m	LS3WW108
0.9m	LS3WW009	5.9m	LS3WW059	10.9m	LS3WW109
1m	LS3WW010	6m	LS3WW060	11m	LS3WW110
1.1m	LS3WW011	6.1m	LS3WW061	11.1m	LS3WW111
1.2m	LS3WW012	6.2m	LS3WW062	11.2m	LS3WW112
1.3m	LS3WW013	6.3m	LS3WW063	11.3m	LS3WW113
1.4m	LS3WW014	6.4m	LS3WW064	11.4m	LS3WW114
1.5m	LS3WW015	6.5m	LS3WW065	11.5m	LS3WW115
1.6m	LS3WW016	6.6m	LS3WW066	11.6m	LS3WW116
1.7m	LS3WW017	6.7m	LS3WW067	11.7m	LS3WW117
1.8m	LS3WW018	6.8m	LS3WW068	11.8m	LS3WW118
1.9m	LS3WW019	6.9m	LS3WW069	11.9m	LS3WW119
2m	LS3WW020	7m	LS3WW070	12m	LS3WW120
2.1m	LS3WW021	7.1m	LS3WW071	12.1m	LS3WW121
2.2m	LS3WW022	7.2m	LS3WW072	12.2m	LS3WW122
2.3m	LS3WW023	7.3m	LS3WW073	12.3m	LS3WW123
2.4m	LS3WW024	7.4m	LS3WW074	12.4m	LS3WW124
2.5m	LS3WW025	7.5m	LS3WW075	12.5m	LS3WW125
2.6m	LS3WW026	7.6m	LS3WW076	12.6m	LS3WW126
2.7m	LS3WW027	7.7m	LS3WW077	12.7m	LS3WW127
2.8m	LS3WW028	7.8m	LS3WW078	12.8m	LS3WW128
2.9m	LS3WW029	7.9m	LS3WW079	12.9m	LS3WW129
3m	LS3WW030	8m	LS3WW080	13m	LS3WW130
3.1m	LS3WW031	8.1m	LS3WW081	13.1m	LS3WW131
3.2m	LS3WW032	8.2m	LS3WW082	13.2m	LS3WW132
3.3m	LS3WW033	8.3m	LS3WW083	13.3m	LS3WW133
3.4m	LS3WW034	8.4m	LS3WW084	13.4m	LS3WW134
3.5m	LS3WW035	8.5m	LS3WW085	13.5m	LS3WW135
3.6m	LS3WW036	8.6m	LS3WW086	13.6m	LS3WW136
3.7m	LS3WW037	8.7m	LS3WW087	13.7m	LS3WW137
3.8m	LS3WW038	8.8m	LS3WW088	13.8m	LS3WW138
3.9m	LS3WW039	8.9m	LS3WW089	13.9m	LS3WW139
4m	LS3WW040	9m	LS3WW090	14m	LS3WW140
4.1m	LS3WW041	9.1m	LS3WW091	14.1m	LS3WW141
4.2m	LS3WW042	9.2m	LS3WW092	14.2m	LS3WW142
4.3m	LS3WW043	9.3m	LS3WW093	14.3m	LS3WW143
4.4m	LS3WW044	9.4m	LS3WW094	14.4m	LS3WW144
4.5m	LS3WW045	9.5m	LS3WW095	14.5m	LS3WW145
4.6m	LS3WW046	9.6m	LS3WW096	14.6m	LS3WW146
4.7m	LS3WW047	9.7m	LS3WW097	14.7m	LS3WW147
4.8m	LS3WW048	9.8m	LS3WW098	14.8m	LS3WW148
4.9m	LS3WW049	9.9m	LS3WW099	14.9m	LS3WW149
					15m
					LS3WW150
					15.1m
					LS3WW151
					15.2m
					LS3WW152
					15.3m
					LS3WW153
					15.4m
					LS3WW154
					15.5m
					LS3WW155
					15.6m
					LS3WW156
					15.7m
					LS3WW157
					15.8m
					LS3WW158
					15.9m
					LS3WW159
					16m
					LS3WW160
					16.1m
					LS3WW161
					16.2m
					LS3WW162
					16.3m
					LS3WW163
					16.4m
					LS3WW164
					16.5m
					LS3WW165
					16.6m
					LS3WW166
					16.7m
					LS3WW167
					16.8m
					LS3WW168
					16.9m
					LS3WW169
					17m
					LS3WW170
					17.1m
					LS3WW171
					17.2m
					LS3WW172
					17.3m
					LS3WW173
					17.4m
					LS3WW174
					17.5m
					LS3WW175
					17.6m
					LS3WW176
					17.7m
					LS3WW177
					17.8m
					LS3WW178
					17.9m
					LS3WW179
					18m
					LS3WW180
					18.1m
					LS3WW181
					18.2m
					LS3WW182
					18.3m
					LS3WW183
					18.4m
					LS3WW184
					18.5m
					LS3WW185
					18.6m
					LS3WW186
					18.7m
					LS3WW187
					18.8m
					LS3WW188
					18.9m
					LS3WW189
					19m
					LS3WW190
					19.1m
					LS3WW191
					19.2m
					LS3WW192
					19.3m
					LS3WW193
					19.4m
					LS3WW194
					19.5m
					LS3WW195
					19.6m
					LS3WW196
					19.7m
					LS3WW197
					19.8m
					LS3WW198
					19.9m
					LS3WW199
					20m
					LS3WW200

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



LEDIP3528

SELF ADHESIVE FLEXIBLE SPLASH-PROOF STRIP

Features & Benefits

- Hardwearing clear splash-proof covering
- High quality LED strip using current regulation
- Next generation strip. Long lengths suffer no light loss
- Cut point every 100mm
- 250mm fly leads attached
- Foil backed flexible PCB dissipates heat (improves LED life and colour stability)
- Self adhesive backing
- Supplied in customised lengths (0.1m upto 5m in 0.1m increments)
- NB: Cutting to required length will render this product non-returnable

PHOTOMETRICS @ 25°C

Colour	Beam angle	Wattage/m	Life of LED	CRI	lm/m	lm/W	Lx (1m)
NW / 5000K	150°	4.8W	70,000hrs	>80Ra	350	55	85
WW / 3500K					350	55	85

ORDER CODES

LSIP3NW050	5m reel of neutral white LEDIP3528 strip
LSIP3WW050	5m reel of warm white LEDIP3528 strip
LSIP3NWXXX	Bespoke length of neutral white LEDIP3528 strip. XXX to be replaced by bespoke length eg. 010 = 1m, 021 = 2.1m etc
LSIP3WWXXX	Bespoke length of warm white LEDIP3528 strip. XXX to be replaced by bespoke length eg. 010 = 1m, 021 = 2.1m etc

GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Flexible Tape
Face temperature when lit [°C]	32
IP rating	44
SELV (safety extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g/m)	10

WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

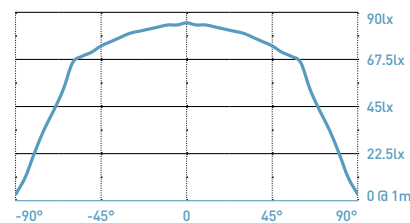
Product code	mA	SELV	Dimming	Bathroom zone	Min (m)	Max (m)
PSIP24024	N/A	Yes	Yes (PDCINT1-10V)	2	0.1	48

ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Range of profiles to house LED3528, LEDIP3528 & LEDIP5050	168-176
LED COVE PACK	Coving to house adhesive strip	177
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

3 years

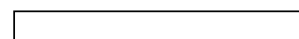


Bespoke lengths are sealed with our Collingwood heat shrink for complete IP44 connections



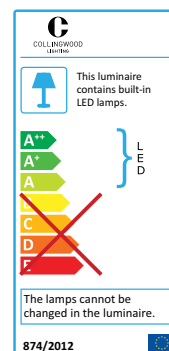
Dimensions

100mm(min)



12mm

Energy efficiency rating



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



LEDIP5050

SELF ADHESIVE HIGH OUTPUT LED FLEXIBLE SPLASH-PROOF STRIP

Features & Benefits

- Hardwearing clear splash-proof covering
- High output LED strip using 'next gen' current regulation technology
- 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)
- Self adhesive backing
- Supplied in customised lengths (0.1m upto 5m in 0.1m increments)
- NB: Cutting to required length will render this product non-returnable

PHOTOMETRICS@ 25°C

Colour	Beam angle	Wattage/m	Life of LED	CRI	lm/m	lm/W	lx (1m)
NW / 5000K	150°	14.4W	70,000hrs	>85Ra	965	67	267
WW / 3500K					810	56	237

ORDER CODES

LSIP5NW050	5m reel of neutral white LEDIP5050 strip
LSIP5WW050	5m reel of warm white LEDIP5050 strip
LSIP5NWXXX	Bespoke length of neutral white LEDIP5050 strip. XXX to be replaced by bespoke length eg. 010 = 1m, 021 = 2.1m etc
LSIP5WWXXX	Bespoke length of warm white LEDIP5050 strip. XXX to be replaced by bespoke length eg. 010 = 1m, 021 = 2.1m etc

GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Flexible Tape
Face temperature when lit (°C)	32
IP rating	44
SELV (safety extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g/m)	10

WIRING

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min (m)	Max (m)
PSIP24024	N/A	Yes	Yes (PDCINT1-10V)	2	0.1	15

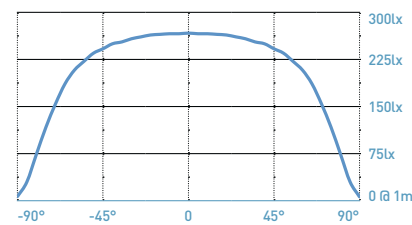
ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	Range of profiles to house LED3528, LEDIP3528 & LEDIP5050	168-176
LED COVE PACK	Coving to house adhesive strip	177
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

3 years

2



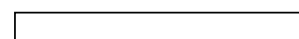
— NW

Bespoke lengths are sealed with our Collingwood heat shrink for complete IP44 connections



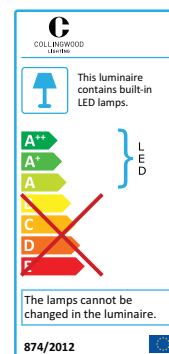
Dimensions

100mm(min)

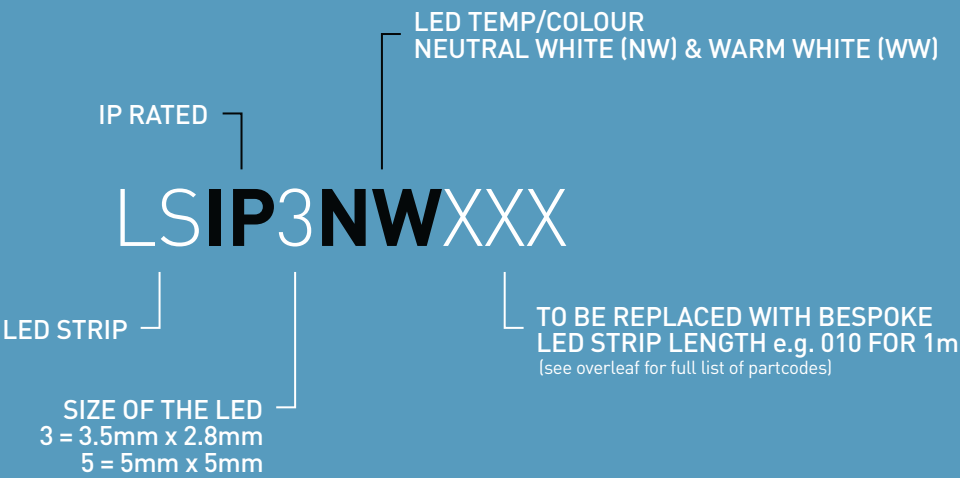


12mm

Energy efficiency rating



IP STRIP
PARTCODE BREAKDOWN



IP STRIP

LSIP3NWXXX - Bespoke lengths of LEDIP3528NW
LSIP3WWXXX - Bespoke lengths of LEDIP3528WW

Supplied in customised lengths (0.1m up to 4.9m). Priced in 0.1m increments after the first metre. Also available in a 5m reel. XXX to be replaced by bespoke length, see overleaf for full list of bespoke partcodes.



HIGH POWER IP STRIP

LSIP5NWXXX - Bespoke lengths of LEDIP5050NW
LSIP5WWXXX - Bespoke lengths of LEDIP5050WW

Supplied in customised lengths (0.1m up to 4.9m). Priced in 0.1m increments after the first metre. Also available in a 5m reel. XXX to be replaced by bespoke length, see overleaf for full list of bespoke partcodes.

Each bespoke length will have 250mm flying leads attached, which can be increased upon request up to 5m (at an extra charge)



RGB STRIP

LS5RGBXXX - Bespoke lengths of LED5050RGB

Supplied in customised lengths (1m up to 4m). Priced in 1m increments. Also available in a 5m reel. XXX to be replaced by bespoke length, see overleaf for full list of bespoke partcodes.

Each bespoke length will have 200mm ribbon cable attached

IP STRIP

BESPOKE PARTCODES

USE THE TABLE BELOW AND SELECT YOUR METERAGE TO DETERMINE YOUR PARTCODE

LSIP3NWXXX (partcode for bespoke lengths of LEDIP3528NW)

0.1m	LSIP3NW001	2.6m	LSIP3NW026
0.2m	LSIP3NW002	2.7m	LSIP3NW027
0.3m	LSIP3NW003	2.8m	LSIP3NW028
0.4m	LSIP3NW004	2.9m	LSIP3NW029
0.5m	LSIP3NW005	3m	LSIP3NW030
0.6m	LSIP3NW006	3.1m	LSIP3NW031
0.7m	LSIP3NW007	3.2m	LSIP3NW032
0.8m	LSIP3NW008	3.3m	LSIP3NW033
0.9m	LSIP3NW009	3.4m	LSIP3NW034
1m	LSIP3NW010	3.5m	LSIP3NW035
1.1m	LSIP3NW011	3.6m	LSIP3NW036
1.2m	LSIP3NW012	3.7m	LSIP3NW037
1.3m	LSIP3NW013	3.8m	LSIP3NW038
1.4m	LSIP3NW014	3.9m	LSIP3NW039
1.5m	LSIP3NW015	4m	LSIP3NW040
1.6m	LSIP3NW016	4.1m	LSIP3NW041
1.7m	LSIP3NW017	4.2m	LSIP3NW042
1.8m	LSIP3NW018	4.3m	LSIP3NW043
1.9m	LSIP3NW019	4.4m	LSIP3NW044
2m	LSIP3NW020	4.5m	LSIP3NW045
2.1m	LSIP3NW021	4.6m	LSIP3NW046
2.2m	LSIP3NW022	4.7m	LSIP3NW047
2.3m	LSIP3NW023	4.8m	LSIP3NW048
2.4m	LSIP3NW024	4.9m	LSIP3NW049
2.5m	LSIP3NW025	5m	LSIP3NW050

LSIP5NWXXX (partcode for bespoke lengths of LEDIP5050NW)

0.1m	LSIP5NW001	2.6m	LSIP5NW026
0.2m	LSIP5NW002	2.7m	LSIP5NW027
0.3m	LSIP5NW003	2.8m	LSIP5NW028
0.4m	LSIP5NW004	2.9m	LSIP5NW029
0.5m	LSIP5NW005	3m	LSIP5NW030
0.6m	LSIP5NW006	3.1m	LSIP5NW031
0.7m	LSIP5NW007	3.2m	LSIP5NW032
0.8m	LSIP5NW008	3.3m	LSIP5NW033
0.9m	LSIP5NW009	3.4m	LSIP5NW034
1m	LSIP5NW010	3.5m	LSIP5NW035
1.1m	LSIP5NW011	3.6m	LSIP5NW036
1.2m	LSIP5NW012	3.7m	LSIP5NW037
1.3m	LSIP5NW013	3.8m	LSIP5NW038
1.4m	LSIP5NW014	3.9m	LSIP5NW039
1.5m	LSIP5NW015	4m	LSIP5NW040
1.6m	LSIP5NW016	4.1m	LSIP5NW041
1.7m	LSIP5NW017	4.2m	LSIP5NW042
1.8m	LSIP5NW018	4.3m	LSIP5NW043
1.9m	LSIP5NW019	4.4m	LSIP5NW044
2m	LSIP5NW020	4.5m	LSIP5NW045
2.1m	LSIP5NW021	4.6m	LSIP5NW046
2.2m	LSIP5NW022	4.7m	LSIP5NW047
2.3m	LSIP5NW023	4.8m	LSIP5NW048
2.4m	LSIP5NW024	4.9m	LSIP5NW049
2.5m	LSIP5NW025	5m	LSIP5NW050

LS5RGBXXX (partcode for bespoke lengths of LED5050RGB)

1m	LS5RGB010	4m	LS5RGB040
2m	LS5RGB020	5m	LS5RGB050
3m	LS5RGB030		

LSIP3WWXXX (partcode for bespoke lengths of LEDIP3528WW)

0.1m	LSIP3WW001	2.6m	LSIP3WW026
0.2m	LSIP3WW002	2.7m	LSIP3WW027
0.3m	LSIP3WW003	2.8m	LSIP3WW028
0.4m	LSIP3WW004	2.9m	LSIP3WW029
0.5m	LSIP3WW005	3m	LSIP3WW030
0.6m	LSIP3WW006	3.1m	LSIP3WW031
0.7m	LSIP3WW007	3.2m	LSIP3WW032
0.8m	LSIP3WW008	3.3m	LSIP3WW033
0.9m	LSIP3WW009	3.4m	LSIP3WW034
1m	LSIP3WW010	3.5m	LSIP3WW035
1.1m	LSIP3WW011	3.6m	LSIP3WW036
1.2m	LSIP3WW012	3.7m	LSIP3WW037
1.3m	LSIP3WW013	3.8m	LSIP3WW038
1.4m	LSIP3WW014	3.9m	LSIP3WW039
1.5m	LSIP3WW015	4m	LSIP3WW040
1.6m	LSIP3WW016	4.1m	LSIP3WW041
1.7m	LSIP3WW017	4.2m	LSIP3WW042
1.8m	LSIP3WW018	4.3m	LSIP3WW043
1.9m	LSIP3WW019	4.4m	LSIP3WW044
2m	LSIP3WW020	4.5m	LSIP3WW045
2.1m	LSIP3WW021	4.6m	LSIP3WW046
2.2m	LSIP3WW022	4.7m	LSIP3WW047
2.3m	LSIP3WW023	4.8m	LSIP3WW048
2.4m	LSIP3WW024	4.9m	LSIP3WW049
2.5m	LSIP3WW025	5m	LSIP3WW050

LSIP5WWXXX (partcode for bespoke lengths of LEDIP5050WW)

0.1m	LSIP5WW001	2.6m	LSIP5WW026
0.2m	LSIP5WW002	2.7m	LSIP5WW027
0.3m	LSIP5WW003	2.8m	LSIP5WW028
0.4m	LSIP5WW004	2.9m	LSIP5WW029
0.5m	LSIP5WW005	3m	LSIP5WW030
0.6m	LSIP5WW006	3.1m	LSIP5WW031
0.7m	LSIP5WW007	3.2m	LSIP5WW032
0.8m	LSIP5WW008	3.3m	LSIP5WW033
0.9m	LSIP5WW009	3.4m	LSIP5WW034
1m	LSIP5WW010	3.5m	LSIP5WW035
1.1m	LSIP5WW011	3.6m	LSIP5WW036
1.2m	LSIP5WW012	3.7m	LSIP5WW037
1.3m	LSIP5WW013	3.8m	LSIP5WW038
1.4m	LSIP5WW014	3.9m	LSIP5WW039
1.5m	LSIP5WW015	4m	LSIP5WW040
1.6m	LSIP5WW016	4.1m	LSIP5WW041
1.7m	LSIP5WW017	4.2m	LSIP5WW042
1.8m	LSIP5WW018	4.3m	LSIP5WW043
1.9m	LSIP5WW019	4.4m	LSIP5WW044
2m	LSIP5WW020	4.5m	LSIP5WW045
2.1m	LSIP5WW021	4.6m	LSIP5WW046
2.2m	LSIP5WW022	4.7m	LSIP5WW047
2.3m	LSIP5WW023	4.8m	LSIP5WW048
2.4m	LSIP5WW024	4.9m	LSIP5WW049
2.5m	LSIP5WW025	5m	LSIP5WW050

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



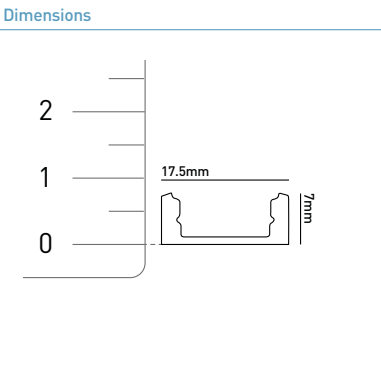
SM7





7MM SLIM SURFACE MOUNT ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Requires end caps and mounting brackets

- Features & Benefits**
- 7mm deep profile can be used to provide a flat, clean and thermally conductive surface within ceiling voids / coving.
 - Use with LED3528, IP3528 or IP5050 strip to create a decorative light effect.
 - High purity anodised aluminium, ideally used with strip to keep LEDs cool, helping maintain lifetime and light output.
 - ABS end caps provide a neat termination. These are available separately, with or without holes for insertion of cables.

PRODUCT DATA	
Product Code	SM7010 (10cm length)
	SM7020 (200cm length)
GENERAL	
Bathroom zone	N/A
Construction material	Anodised aluminium
Cut-out (mm)	N/A
Complete diffusion	No
Light loss	25% (using opaque diffuser)
Length available	100/200cm
Walk over	N/A
WARRANTY	
2 years	



ACCESSORIES (needed for a complete profile)			
1. SM7ECA		ABS end cap for SM7 anodised aluminium profile (with cable hole)	174
2. SM7ECB		ABS end cap for SM7 anodised aluminium profile (without cable hole)	174
3. SM7MB		ABS mounting bracket for SM7 anodised aluminium profile	174
4. SM7LC		ABS linear connector for SM7 anodised aluminium profile	174

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Features & Benefits

7mm deep profile excellent for surface mounting where it may be walked over, it's convex surface reduces the likelihood of being a trip hazard and flows almost seamlessly to create a professional surface mount fitting.

Use with LED3528, IP3528 or IP5050 strip to create a decorative light effect.

High purity anodised aluminium, ideally used with strip to keep LEDs cool, helping maintain lifetime and light output.

ABS end caps provide a neat termination. These are available separately with or without holes for insertion of cables.

CX7

7MM SLIM SURFACE MOUNT CONVEX ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Requires suitable end caps

PRODUCT DATA

Product Code	CX7010 (100cm length)
	CX7020 (200cm length)

GENERAL

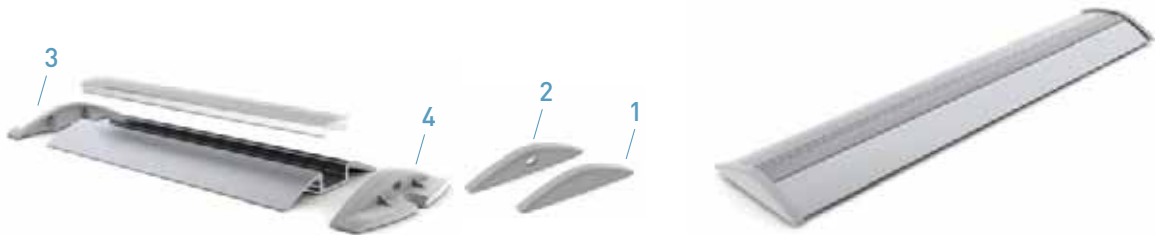
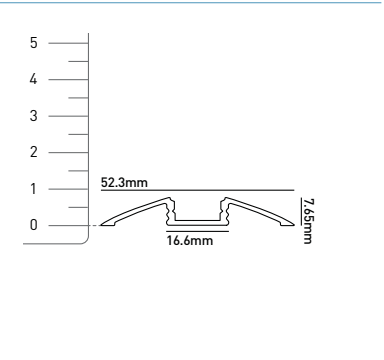
Bathroom zone	N/A
Construction material	Anodised aluminium
Cut-out (mm)	N/A
Complete diffusion	No
Light loss	25% (using opaque diffuser)
Length available	100/200cm
Walk over	Yes

WARRANTY

2 years

2

Dimensions



ACCESSORIES (needed for a complete profile)

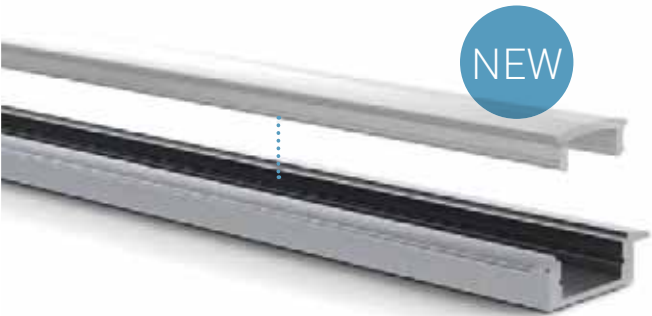
1. CXECA		ABS end cap for CX7 anodised aluminium profile (without holding ears and no cable hole)	174
2. CXECB		ABS end cap for CX7 anodised aluminium profile (without holding ears and with cable hole)	174
3. CXECC		ABS end cap for CX7 anodised aluminium profile (with holding ears and no cable hole)	174
4. CXECD		ABS end cap for CX7 anodised aluminium profile (with holding ears and with cable hole)	174

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



RP7

7MM DEEP RECESSED ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Requires suitable end caps

Features & Benefits

7mm deep profile can easily be recessed into thin walled materials to create a low profile light source.

Use with LED3528, IP3528 or IP5050 strip to create a decorative light effect.

High purity anodised aluminium, ideally used with strip to keep LEDs cool, helping maintain lifetime and light output.

ABS end caps provide a neat termination. These are available separately with or without holes for insertion of cables.

Slim flange creates an unobtrusive joint between the surface and the profile - allowing near seamless integration.

PRODUCT DATA

Product Code	RP7010 (100cm length)
	RP7020 (200cm length)

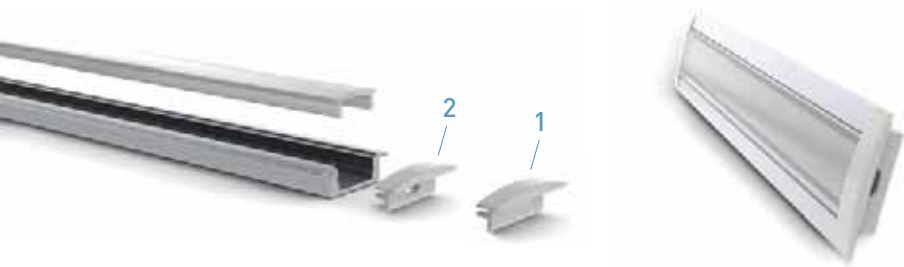
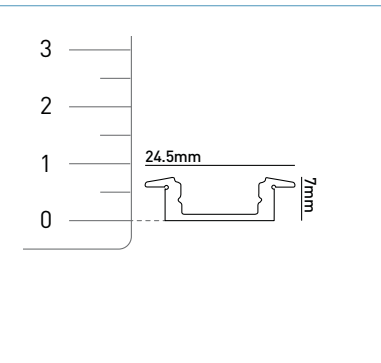
GENERAL

Bathroom zone	N/A
Construction material	Anodised aluminium
Cut-out (mm)	20mm X 1000/2000mm
Complete diffusion	No
Light loss	25% (using opaque diffuser)
Length available	100/200cm
Walk over	Yes

WARRANTY

2 years

Dimensions



ACCESSORIES (needed for a complete profile)

1. RP7ECA		Aluminium end cap for RP7 recessed anodised aluminium profile (without cable hole)	175
2. RP7ECB		Aluminium end cap for RP7 recessed anodised aluminium profile (with cable hole)	175

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Features & Benefits

Use with LED3528, IP3528 or IP5050 strip to create a decorative light effect.

High purity anodised aluminium, ideally used with strip to keep LEDs cool, helping maintain lifetime and light output.

ABS end caps provide a neat termination. These are available separately with or without holes for insertion of cables.

Angled profile is easy to mount into the corner of any surface, allowing a close fit and minimising unsightly gaps.

C07

45° SLIM SURFACE MOUNT CORNER ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER

Requires end caps and mounting brackets

PRODUCT DATA

Product Code	C07010 (100cm length)
	C07020 (200cm length)

GENERAL

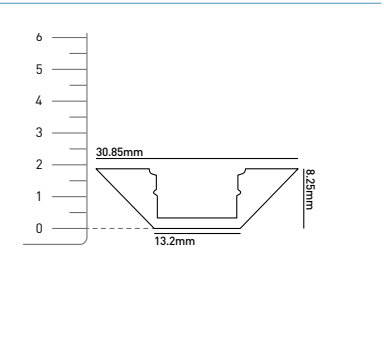
Bathroom zone	N/A
Construction material	Anodised aluminium
Cut-out (mm)	N/A
Complete diffusion	No
Light loss	25% (using opaque diffuser)
Length available	100/200cm
Walk over	N/A

WARRANTY




2 years

2

Dimensions



ACCESSORIES (needed for a complete profile)

1. C07ECA		ABS end cap for C07 anodised aluminium profile (without cable hole)	175
2. C07ECB		ABS end cap for C07 anodised aluminium profile (with cable hole)	175
3. C07MB		Spring steel mounting bracket for C07 anodised aluminium profile	175

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



SM28

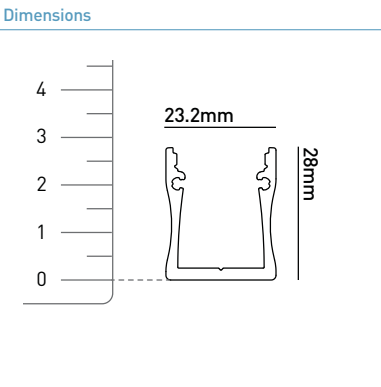
28MM DEEP SURFACE MOUNT ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER
Requires end caps and mounting brackets

Features & Benefits

- 28mm deep profile ensures complete diffusion of LED 'spots' creating a superb linear light source.
- High purity anodised aluminium ensures LEDs are kept cool, helping maintain lifetime and light output.
- Anodised aluminium end caps are available separately to provide a quality, professional finish.
- Cable exit hole needs to be created through rear of the profile.

PRODUCT DATA	
Product Code	SM28010 (100cm length)
	SM28020 (200cm length)
GENERAL	
Bathroom zone	N/A
Construction material	Anodised aluminium
Cut-out (mm)	N/A
Complete diffusion	Yes
Light loss	25% (using opaque diffuser)
Length available	100/200cm
Walk over	No

WARRANTY	
2 years	2



ACCESSORIES (needed for a complete profile)

1. SM28ECA		Aluminium end cap for SM28 anodised aluminium profile (without cable hole - cable exit hole needs to be created in rear of profile)	175
2. SM28MB		ABS mounting bracket for SM28 anodised aluminium profile	175

STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



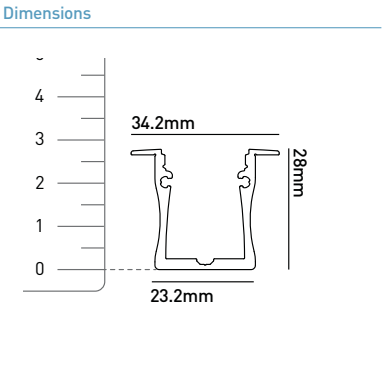
Features & Benefits

- 28mm deep profile ensures complete diffusion of LED 'spots' creating a superb linear light source.
- High purity anodised aluminium ensures LEDs are kept cool, helping maintain lifetime and light output.
- Anodised aluminium end caps are available separately to provide a quality, professional finish.
- Slim flange creates an unobtrusive joint between the surface and the profile - allowing near seamless integration.
- Cable exit hole needs to be created through rear of the profile.

RP28

28MM DEEP RECESSED ANODISED ALUMINIUM PROFILE & OPAQUE DIFFUSER
Requires and suitable end caps

PRODUCT DATA	
Product Code	RP28010 (100cm length)
	RP28020 (200cm length)
GENERAL	
Bathroom zone	N/A
Construction material	Anodised aluminium
Cut-out (mm)	25mm X 1000/2000mm
Complete diffusion	Yes
Light loss	25% (using opaque diffuser)
Length available	100/200cm
Walk over	Yes



WARRANTY	
2 years	2



ACCESSORIES (needed for a complete profile)

1. RP28ECA		Aluminium end cap for RP28 anodised aluminium profile (without cable hole - cable exit hole needs to be created in rear of profile)	176
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STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET

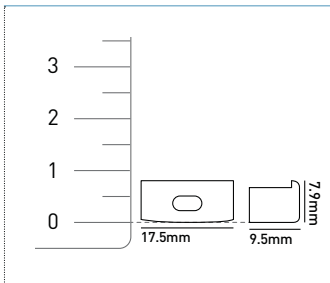


SM7EC

ABS END CAP FOR 7MM SLIM SURFACE MOUNT ANODISED ALUMINIUM PROFILE

PRODUCT DATA	
Product Code	SM7ECA (with cable hole) SM7ECB (without cable hole)
Construction material	ABS
Warranty	2 years

FEATURES & BENEFITS	DIMENSIONS
For use with SM7	168

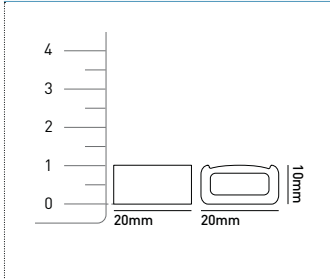


SM7LC

ABS LINEAR CONNECTOR FOR 7MM SLIM SURFACE MOUNT ANODISED ALUMINIUM PROFILE

PRODUCT DATA	
Product Code	SM7LC
Construction material	ABS
Warranty	2 years

FEATURES & BENEFITS	DIMENSIONS
For use with SM7	168

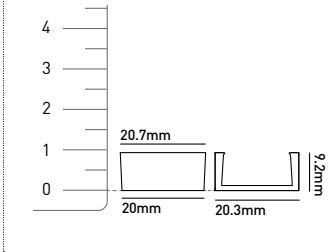


SM7MB

ABS MOUNTING BRACKET FOR 7MM SLIM SURFACE MOUNT ANODISED ALUMINIUM PROFILE

PRODUCT DATA	
Product Code	SM7MB
Construction material	ABS
Warranty	2 years

FEATURES & BENEFITS	DIMENSIONS
For use with SM7	168

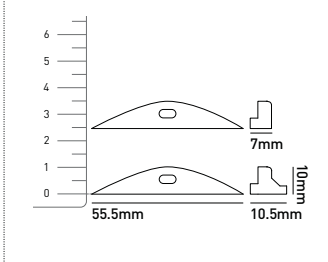


CXEC

ABS END CAP FOR SLIM SURFACE MOUNT CONVEX ANODISED ALUMINIUM PROFILE

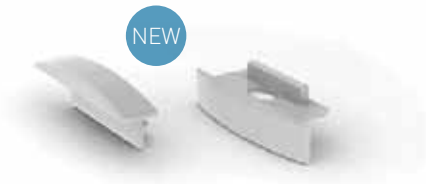
PRODUCT DATA	
Product Code	CXECA (without holding ears & no cable hole) CXECB (without holding ears & with cable hole) CXECC (with holding ears & no cable hole) CXECD (with holding ears & with cable hole)
Construction material	ABS
Warranty	2 years

FEATURES & BENEFITS	DIMENSIONS
For use with CX7	169



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



RP7EC

ALUMINUM END CAP FOR 28MM DEEP RECESSED ANODISED ALUMINIUM PROFILE

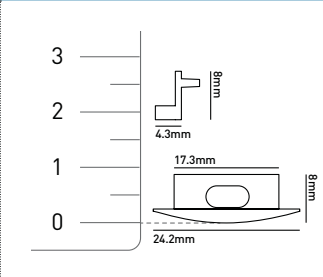
PRODUCT DATA

Product Code	RP7ECA (without cable hole)
	RP7ECB (with cable hole)
Construction material	ABS
Warranty	2 years

FEATURES & BENEFITS

For use with RP7 170

DIMENSIONS



C07EC

ABS END CAP FOR 45° SLIM SURFACE MOUNT CORNER ANODISED ALUMINIUM PROFILE

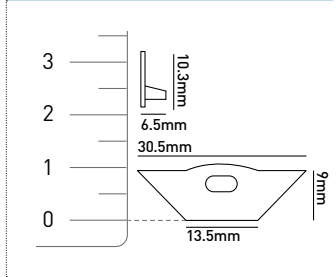
PRODUCT DATA

Product Code	C07ECA (without cable hole)
	C07ECB (with cable hole)
Construction material	ABS
Warranty	2 years

FEATURES & BENEFITS

For use with C07 171

DIMENSIONS



C07MB

SPRING STEEL MOUNTING BRACKET 45° SLIM SURFACE MOUNT CORNER ANODISED ALUMINIUM PROFILE

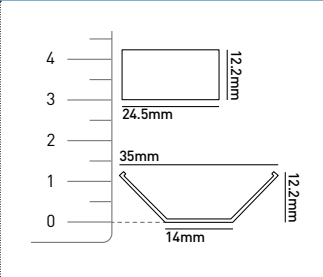
PRODUCT DATA

Product Code	C07MB
Construction material	Spring steel
Warranty	2 years

FEATURES & BENEFITS

For use with C07 171

DIMENSIONS



SM28ECA

ALUMINUM END CAP FOR 28MM DEEP SURFACE MOUNT ANODISED ALUMINIUM PROFILE

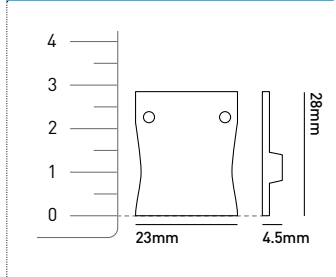
PRODUCT DATA

Product Code	SM28ECA (without cable hole)
Construction material	Aluminium
Warranty	2 years

FEATURES & BENEFITS

For use with SM28 172

DIMENSIONS

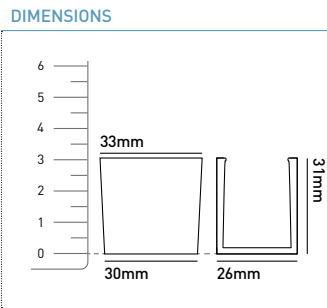




SM28MB
ABS MOUNTING BRACKET FOR 28MM DEEP
SURFACE MOUNT ANODISED ALUMINIUM PROFILE

PRODUCT DATA	
Product Code	SM28MB
Construction material	ABS
Warranty	2 years 2

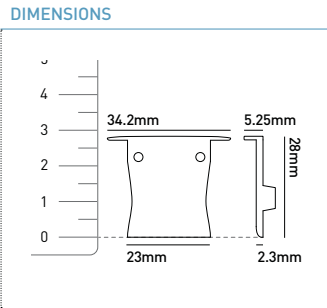
FEATURES & BENEFITS
For use with SM28 172



RP28ECA
ALUMINIUM END CAP FOR DEEP RECESSED ANODISED ALUMINIUM PROFILE

PRODUCT DATA	
Product Code	RP28ECA (without cable hole)
Construction material	Aluminium
Warranty	2 years 2

FEATURES & BENEFITS
For use with RP28 173



STRIP LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Features & Benefits

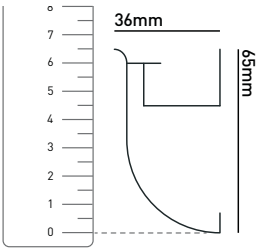
- Sold in 1m lengths
- Wall mounting bracket every 500mm
- Optimum distance from ceiling: 500mm
- Easy cut corners
- Overpaintable
- LEDs (sold separately) can be fitted to two different surfaces

LED COVE PACK

COVING TO HOUSE ADHESIVE STRIP

PRODUCT DATA	
Product Code	LED COVE PACK
GENERAL	
Bathroom zone	N/A
Construction material	Plastic
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	900
WIRING	
Cable	N/A
Series/Parallel	N/A
ACCESSORIES	
Product code	Description
LED COVE CLIP	Metal fixing clip for LED COVE PACK

Dimensions



WARRANTY	
1 year	2

UNIVERSAL LIGHTS

Why choose Collingwood universal lights?

Collingwood Lighting offers you a wide range of Universal lighting, with options suitable for both internal and external use, in order to cater to all your lighting needs. With a range of IP ratings up to IP68 available, these lights can be used for almost any situation and selected products use plug & play connectivity, removing the need for traditional time consuming wiring. You can choose from a comprehensive range of styles, finishes and LED colours to suit all tastes.

Multiple surface mounting

Collingwood's Universal range is so called because the products have been designed so they can be fitted almost anywhere, including walls, floors and ceilings, both internally and externally, with options for surface or recessed mounting. Thanks to this Collingwood's Universal lights can offer you a lighting solution for any situation.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



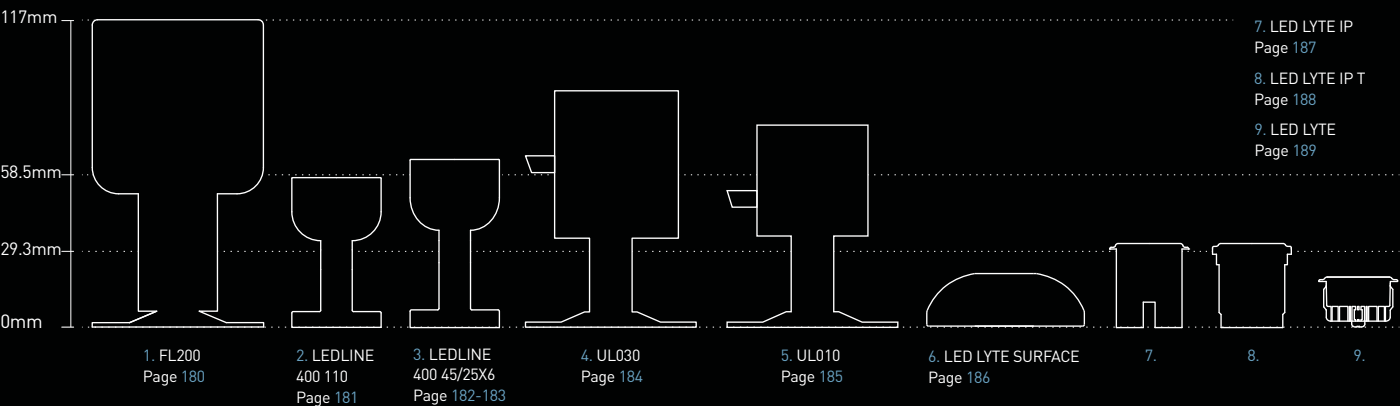
UNIVERSAL LIGHTS

FLEXIBLE, MODEST, ENCOMPASSING

Collingwood Lighting's range of universal lights are suitable for those not so straight forward situations. Surface or recessed, wall, floor or ceiling mountable to suit your needs.

SIZE COMPARISON

Universal Lights



UNIVERSAL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING

Patent No: GB2487912



FL200

DIMMABLE LINEAR LED FLOOD LIGHT



Features & Benefits

Complete with wall fixings

Direct to mains

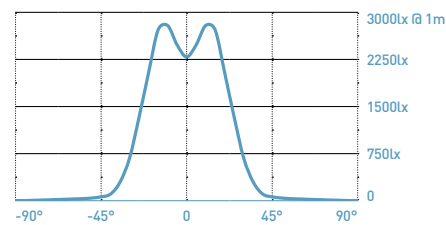
Mains waterproof connector included

MAX 3 on 500W mains dimmer

MAX 5 on 1000W mains dimmer

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	FL200 F NW	50°	21W	L70, B10 70,000hrs	>70Ra	1415	67	2300
WW / 3000K	FL200 F WW				>80Ra	1292	62	2050



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium (body) Stainless Steel 316 (bracket)
Cut-out (mm)	N/A
Face temperature when lit (°C)	56
IP rating	65
Maximum ambient temperature (ta = °C)	56
Rotation angle (°)	360
SELV (separated extra low voltage) driver	Yes (integral)
Tilt angle (°)	180
Weight (kg)	1.3

WIRING

Cable/flying lead (m)	N/A (IP65 water proof connector)
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)	700	Yes (mains)	2	N/A	N/A

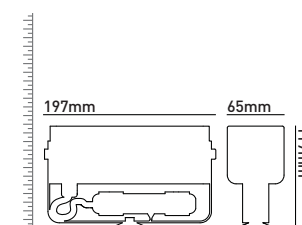
ACCESSORIES

Product code	Description
DM298GRID	LED mains grid dimmer

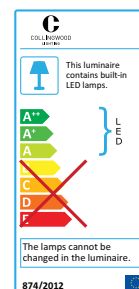
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating





LEDLINE 400 110

110° LED WALL WASHING LIGHT BAR

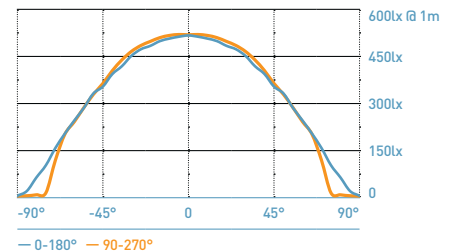


Features & Benefits

- Equivalent to 50W Halogen
- Robust cable for permanent use outdoors
- Wide beam angle for ideal wall wash

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LEDLINE 400 NW 110	110°	16W	L70, B10 70,000hrs	>70Ra	1000	63	519
WW / 3000K	LEDLINE 400 WW 110				>80Ra	750	47	350



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	45
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	180
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	1
PL/IP/700 3-12			No	1	1	1
PLD UNIDRIVE (700)			Yes (1-10V)	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

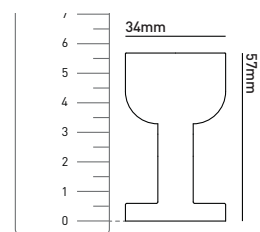
ACCESSORIES

Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled junction box	265
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
WCR 275 BLACK	2-Core rubber cable	268

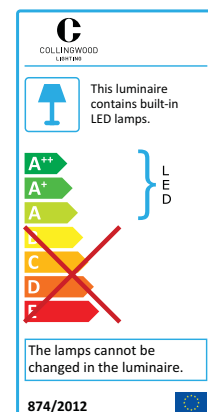
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating





LEDLINE 400 45

45° LED WALL WASHING LIGHT BAR

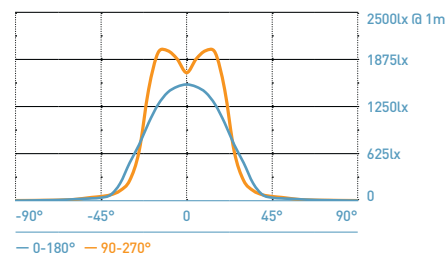


Features & Benefits

- Beam angle ideal for mid level wall wash
- Equivalent to 50W Halogen
- Robust cable for permanent use outdoors

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LEDLINE 400 NW 45	45°	16W	L70, B10 70,000hrs	>70Ra	1000	63	1752
WW / 3000K	LEDLINE 400 WW 45				>80Ra	750	47	1415



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	53
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	180
Weight (g)	800

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
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 3-12			No	1	1	1
PLD UNIDRIVE (700)			Yes (1-10V)	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

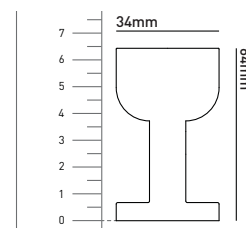
ACCESSORIES

Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled junction box	265
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
WCR 275 BLACK	2-Core rubber cable	268

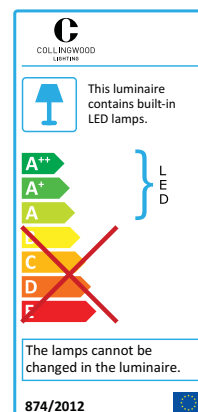
WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating





LEDLINE 400 25X6

25X6° LED WALL WASHING LIGHT BAR

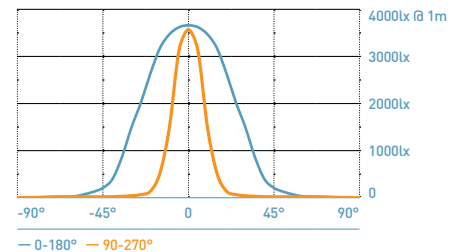


Features & Benefits

- Asymmetric beam angle for distance wall wash
- Equivalent to 50W Halogen
- Robust cable for permanent use outdoors

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LEDLINE 400 NW 25X6	25X6°	16W	L70, B10 70,000hrs	>70Ra	1000	63	3692
WW / 3000K	LEDLINE 400 WW 25X6				>80Ra	750	47	2820



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	41
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	180
Weight (g)	800

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PLU/700 3-9	700	Yes	No	1	1	1
PL/IP/700 3-12			No	1	1	1
PLD UNIDRIVE (700)			Yes (1-10V)	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

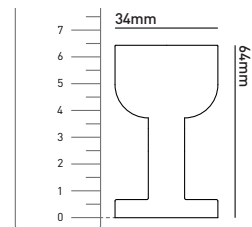
ACCESSORIES

Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled junction box	265
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
WCR 275 BLACK	2-Core rubber cable	268

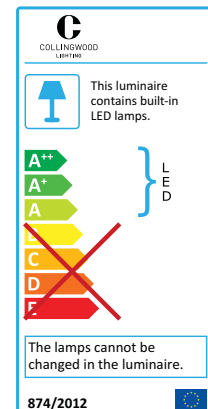
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



UNIVERSAL LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



UL030

HIGH OUTPUT UNIVERSAL LED LIGHT



Features & Benefits

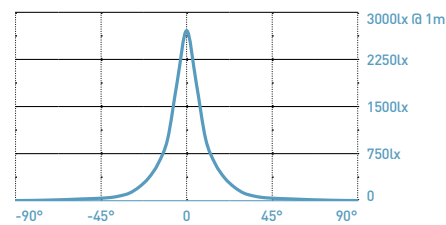
Complete with wall fixings

Equivalent to 35W Halogen

Tilt & rotate for adjusting light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	UL030 NW	18°	7W	L70, B10 70,000hrs	>70Ra	336	48	2710
WW / 3000K	UL030 WW				>80Ra	254	36	1513
BL	UL030 BL				N/A	52	7	42



GENERAL

Bathroom zone	0
Building regulations	N/A
Construction material	Stainless Steel [316]
Cut-out (mm)	N/A
Face temperature when lit (°C)	54
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	360
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

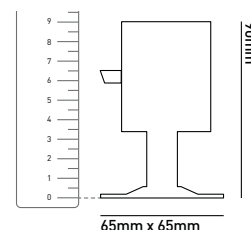
ACCESSORIES

Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	265
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
WCR 275 BLACK	2-Core rubber cable	268

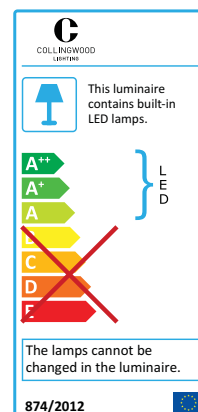
WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating



LUMILEDS

The Brighter LED

UNIVERSAL LIGHTS

TECHNICAL SPECIFICATION SHEET



UL010

UNIVERSAL LED LIGHT

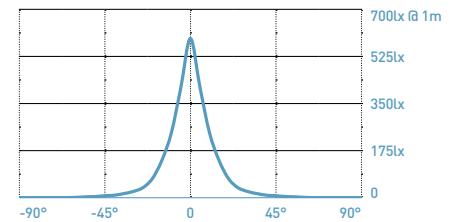


Features & Benefits

- Complete with wall fixings
- Robust cable for use outdoors
- Tilt & rotate for adjusting light

PHOTOMETRICS @ 25°C

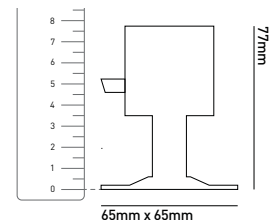
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	UL010 NW	18°	3W	L70, B10 70,000hrs	>70Ra	119	40	648
WW / 3000K	UL010 WW				>80Ra	95	32	411
BL	UL010 BL				N/A			



GENERAL

Bathroom zone	0
Building regulations	N/A
Construction material	Stainless Steel (316)
Cut-out (mm)	N/A
Face temperature when lit (°C)	40
IP rating	68 (submersible to 9m)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	360
Weight (g)	500

Dimensions



WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

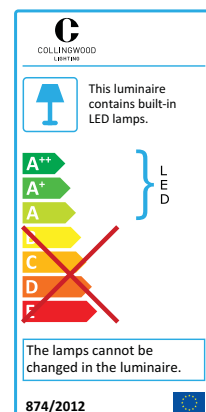
ACCESSORIES

Product code	Description	
JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	265
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating





LED LYTE SURFACE

SURFACE MOUNT LED MINI LIGHT

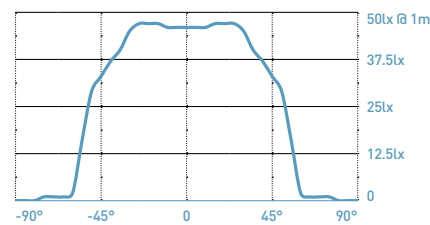


Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LED LYTE SURFACE NW	110°	1W	L70, B10 70,000hrs	>70Ra	82	82	46
WW / 3000K	LED LYTE SURFACE WW				>80Ra	63	63	30



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	36
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	90

WIRING

Cable/flying lead (m)	1 (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	1	9
PLR/350 1-5			No	1	1	5
PLD UNIDRIVE (350)			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

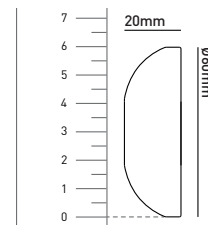
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

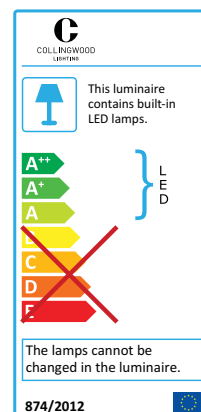
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



UNIVERSAL LIGHTS

TECHNICAL SPECIFICATION SHEET



LED LYTE IP

IP RATED MINI LED FLOOD LIGHT

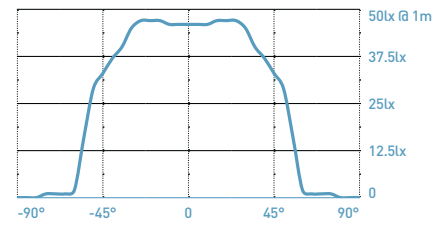


Features & Benefits

- Plug & Play connector for quick installation
- Small & discreet
- Ideal for decorative lighting

PHOTOMETRICS @ 25°C

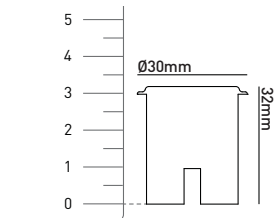
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LED LYTE IP NW	110°	1W	L70, B10 70,000hrs	>70Ra	82	82	46
WW / 3000K	LED LYTE IP WW				>80Ra	63	63	30
AM	LED LYTE IP AMBER				N/A			
BL	LED LYTE IP BLUE							
GR	LED LYTE IP GREEN							
RE	LED LYTE IP RED							



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	26
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	40

Dimensions



WIRING

Cable/flying lead (m)	1 (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 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			No	1	1	5
PLD UNIDRIVE (350)			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

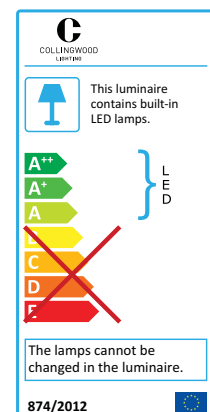
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating





LED LYTE IP T

IP RATED THREADED MINI LED LIGHT



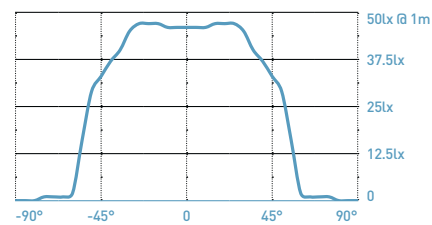
Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LED LYTE IP T NW	110°	1W	L70, B10 70,000hrs	>70Ra	82	82	46
BL	LED LYTE IP T BL							

N/A



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	26
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	40

WIRING

Cable/flying lead (m)	1 (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 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			No	1	1	5
PLD UNIDRIVE (350)			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

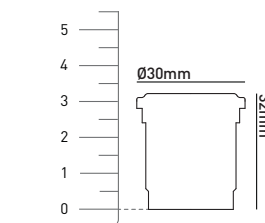
ACCESSORIES

Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

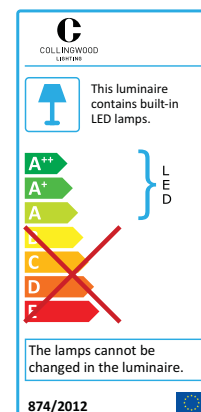
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



UNIVERSAL LIGHTS

TECHNICAL SPECIFICATION SHEET



LED LYTE

MINI LED DOWNLIGHT

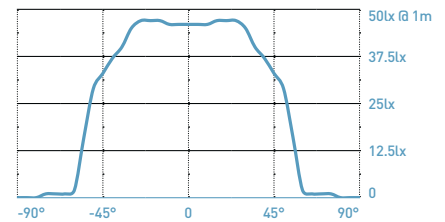


Features & Benefits

- Plug & Play connector for quick installation
- Small & discreet
- Ideal for decorative lighting

PHOTOMETRICS @ 25°C

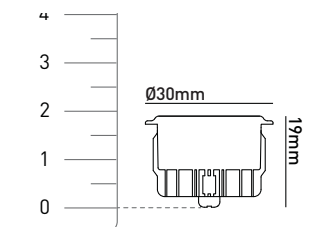
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	LED LYTE NW	110°	1W	L70, B10 70,000hrs	>70Ra	82	82	46
WW / 3000K	LED LYTE WARM WHITE				>80Ra	60	60	30
AM	LED LYTE AMBER				N/A			
BL	LED LYTE BLUE							
RE	LED LYTE RED							



GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Plastic
Cut-out (mm)	26
Face temperature when lit (°C)	39
IP rating	N/A
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	20

Dimensions



WIRING

Cable/flying lead (m)	1 (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 only

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

For LED driver bathroom zone & additional LED Drivers see page 230

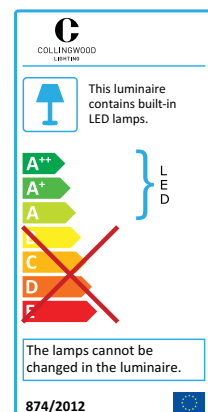
ACCESSORIES

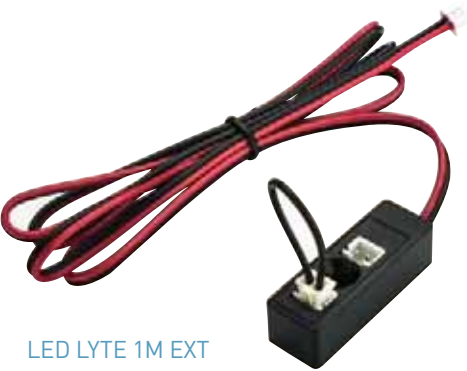
Product code	Description	
LED LYTE 1M EXT	1m 'Plug & Play' extension lead	190
LED LYTE 6 WAY EXT	6 way 1m 'Plug & Play' extension lead	190
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

1 year (7 year extended warranty available)

Energy efficiency rating





LED LYTE 1M EXT



LED LYTE 6 WAY EXT

LED LYTE 1M EXT 1M EXTENSION LEAD
LED LYTE 6 WAY EXT 6 WAY 1M EXTENSION LEAD

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

PRODUCT DATA	
Product Code	LED LYTE 1M EXT LED LYTE 6 WAY EXT
GENERAL	
Bathroom zone	N/A
Construction material	Plastic
Cut-out (mm)	N/A
IP rating	N/A
Weight (kg)	N/A
WIRING	
Cable	1m
Series/Parallel	Series (Plug & Play)
NB: Removal of plugs will render this product non-returnable	
ACCESSORIES	
Product code	Description
DL 120	Mini adjustable LED spot light90
DL 130	Mini adjustable LED spot light90
LED LYTE	Mini LED Downlight189
LED LYTE IP	IP rated mini LED flood light187
LED LYTE IP T	IP rated threaded mini LED light188
LED LYTE SURFACE	Surface mount LED mini light186
LL030A	MR16 3W replacement LED99
LL090A	MR16 high output replacement LED98
PLU/PP/350 1-9	LED driver (Series Plug & Play)238
WL050	LED Wall/Step light139
WARRANTY	
1 year	2

“WHO IS MORE FOOLISH, THE CHILD
AFRAID OF THE DARK OR THE
MAN AFRAID OF THE LIGHT?” - Maurice Freehill

SPIKE LIGHTS

Why choose Collingwood spike lights?

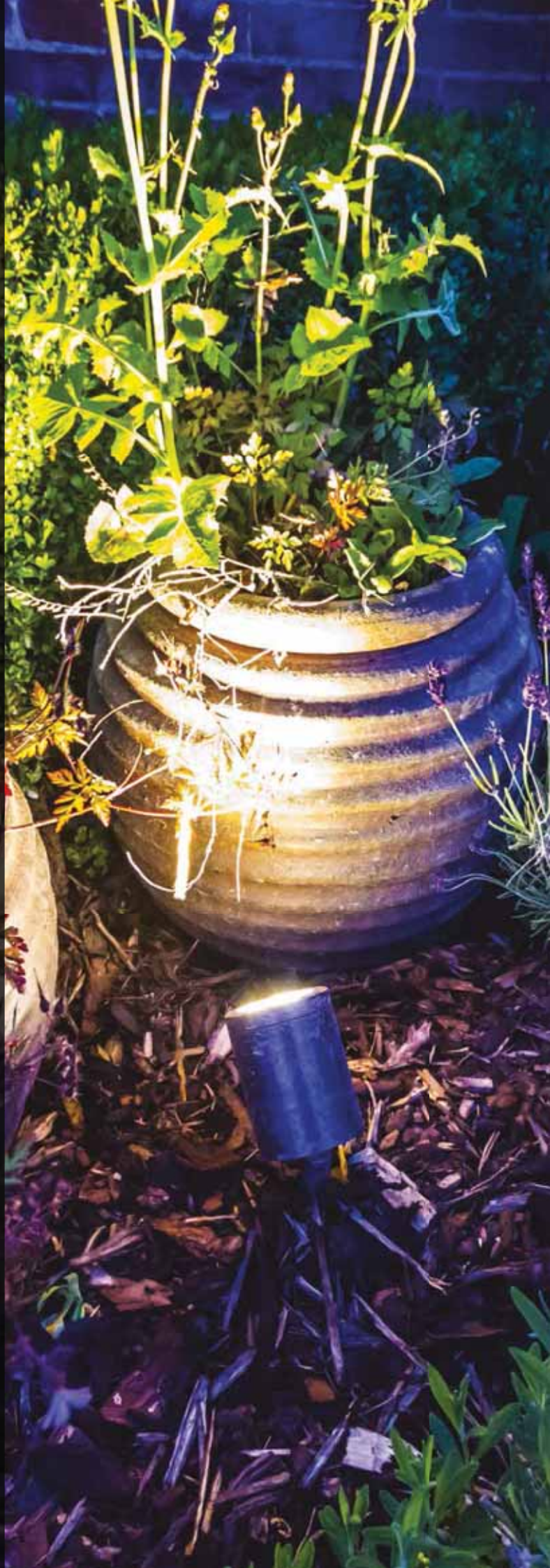
Collingwood offer you a perfect solution for garden lighting with their extensive range of spike lights. Available in stainless steel, anodised aluminium and copper, you will be able to match your taste to our style. The ability to angle our spike lights means they can be used for a multitude of outdoor lighting options. With the choice of high output and straight to mains options, within the range, we can provide you with exactly what you are looking for to complete your desired lighting situation.

Highest quality materials

Collingwood's spike lights are made using the highest quality materials. Built to last, using stainless steel, anodised aluminium and copper, our spike lights are durable in any weather, making them a perfect, long-lasting solution to garden lighting.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



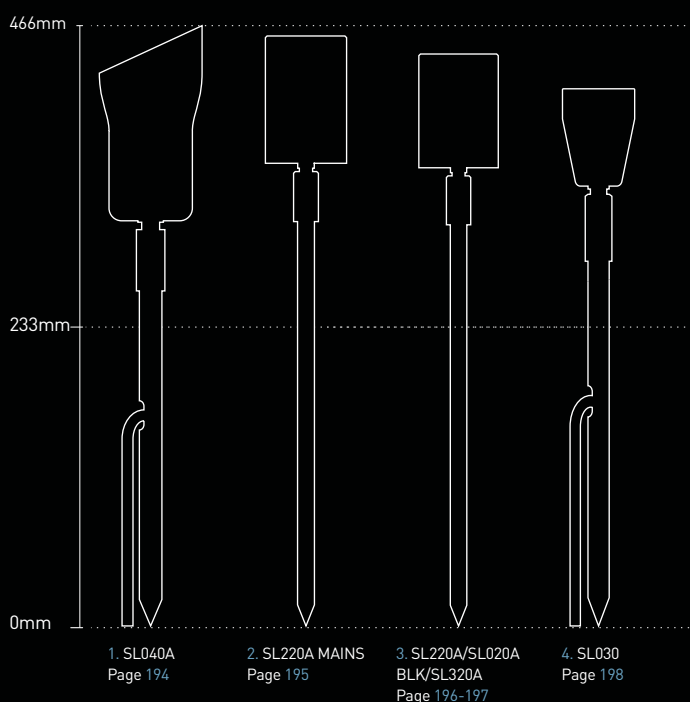
SPIKE LIGHTS

PRACTICAL, FLEXIBLE, EFFORTLESS

Perfect for the garden, pathway or flower bed. The Spike Light range from Collingwood Lighting offers LED lights to the highest quality, using Stainless steel, copper or Anodised aluminium.

SIZE COMPARISON

Spike Lights



SPIKE LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

SL040A

HIGH OUTPUT LED SPIKE LIGHT



Features & Benefits

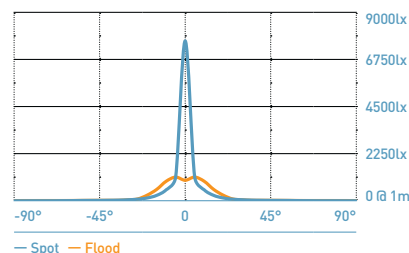
Equivalent to 35W halogen

Long spike included for extra stability

Robust cable for outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	SL040A F NW	38°	7W	L70, B10 70,000hrs	>70Ra	421	60	1340
WW / 3000K	SL040A F WW	38°			>80Ra	292	42	575
	SL040A S WW	18°				274	39	3270



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	42
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	90
Weight (g)	600

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

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

For LED driver bathroom zone & additional LED Drivers see page 230

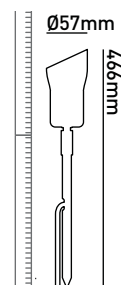
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	265/266
WCR 275 BLACK	2-Core rubber cable	268
PDC GRID DIMMER	1-10V Dimmer module	264

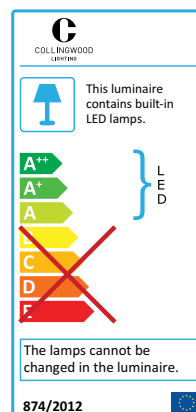
WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating



SPIKE LIGHTS

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

SL220A MAINS

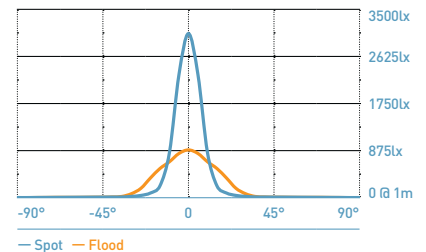
STRAIGHT TO MAINS LED SPIKE LIGHT

Features & Benefits

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

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	SL220A MAINS F NW	38°	3.6W	L70, B10 70,000hrs	>70Ra	243	68	887
	SL220A MAINS S NW	18°				276	77	3051
WW / 3000K	SL220A MAINS F WW	38°			>80Ra	180	50	420
	SL220A MAINS S WW	18°				180	50	1667



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (Integral)
Tilt angle (°)	90
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
Type of wiring required	Parallel (mains) 220-240V AC 50/60Hz

LED DRIVERS

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

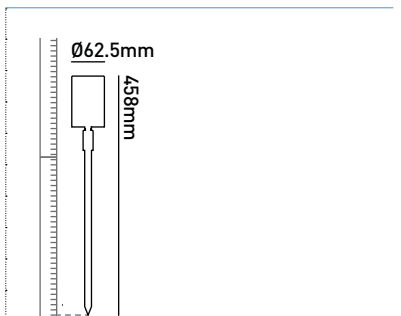
ACCESSORIES

Product code	Description	
JB5	Gel filled waterproof connector	265

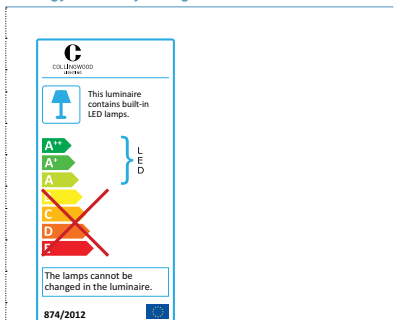
WARRANTY

1 year

Dimensions



Energy efficiency rating



SPIKE LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



Patent No: GB2487912

SL220A SL020A BLK

3W LED SPIKE LIGHT

Features & Benefits

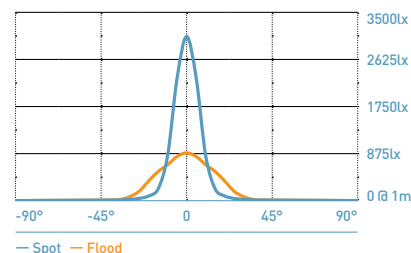
Equivalent to 20W halogen

Long spike included for extra stability

Robust cable for outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	SL220A F NW	38°	3W	L70, B10 70,000hrs	>70Ra	243	81	887
	SL020A BLK F NW							
	SL220A S NW	18°				276	92	3051
	SL020A BLK S NW							
WW / 3000K	SL220A F WW	38°			>80Ra	180	60	420
	SL020A BLK F WW							
	SL220A S WW	18°				180	60	1667
	SL020A BLK S WW							



GENERAL

Bathroom zone	1
Construction material	Anodised Aluminium
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	90
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
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			No	1	1	1
PLD UNIDRIVE			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

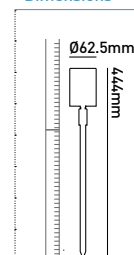
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	265/266
PDC GRID DIMMER	1-10V Dimmer module	264
WCR 275 BLACK	2-Core rubber cable	268

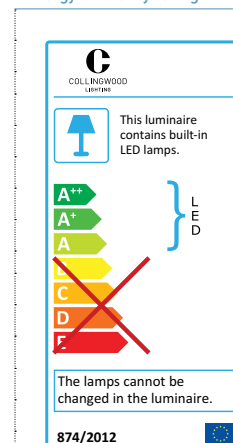
WARRANTY

1 year

Dimensions



Energy efficiency rating



SPIKE LIGHTS

TECHNICAL SPECIFICATION SHEET



Patent No: GB2487912

SL320A

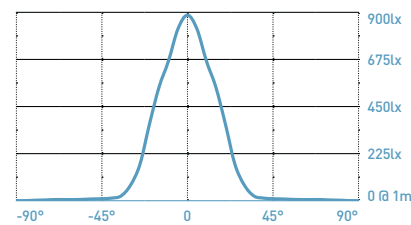
3W COPPER LED SPIKE LIGHT

Features & Benefits

- Equivalent to 20W halogen
- Long spike included for extra stability
- Copper for antique effect
- Robust cable for outdoor use

PHOTOMETRICS @ 25°C

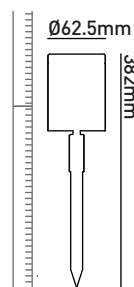
Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	SL320A F NW	38°	3W	L70, B10 70,000hrs	>70Ra	243	81	887
WW / 3000K	SL320A F WW				>80Ra	180	60	420



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Copper
Cut-out (mm)	N/A
Face temperature when lit (°C)	40
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	90
Weight (kg)	1.7

Dimensions



WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
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			No	1	1	1
PLD UNIDRIVE			Yes (1-10V)	2	1	3

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

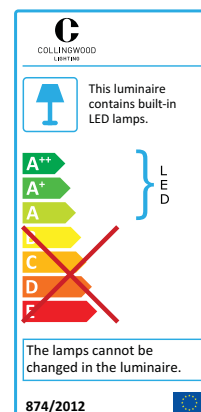
Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	265/266
PDC GRID DIMMER	1-10V Dimmer module	264
WCR 275 BLACK	2-Core rubber cable	268

WARRANTY

1 year

2

Energy efficiency rating



SPIKE LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



SL030

1W LED SPIKE LIGHT

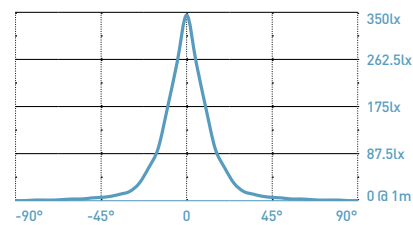


Features & Benefits

- Long spike included for extra stability
- Robust cable for outdoor use
- Small & discreet

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	SL030 F NW	22°	1W	L70, B10 70,000hrs	>70Ra	74	74	345
WW / 3000K	SL030 F WARM WHITE				>80Ra	55	55	255
AM	SL030 F AMBER				N/A			
BL	SL030 F BLUE							
GR	SL030 F GREEN							
RE	SL030 F RED							



GENERAL

Bathroom zone	1
Construction material	Stainless Steel [316]
Cut-out (mm)	N/A
Face temperature when lit (°C)	33
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	90
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (H05RN-F) rubberised cable
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			No	1	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 222

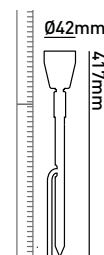
ACCESSORIES

Product code	Description	
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	265/266
WCR 275 BLACK	2-Core rubber cable	268
PDC GRID DIMMER	1-10V Dimmer module	264

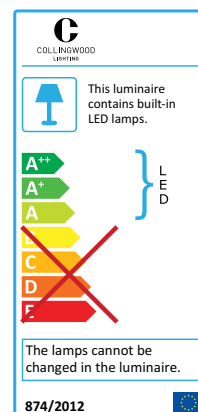
WARRANTY

1 year [7 year extended warranty available]

Dimensions



Energy efficiency rating



“GARDENS ARE MADE OF DARKNESS
AND LIGHT ENTWINED.” - F.T. McKinstry

BOLLARD LIGHTS

Why choose Collingwood bollard lights?

Offering you a choice of single or triple LED light output, a range of LED colours and with the option of straight to mains, you can create the lighting look you require. Collingwood Bollard lights are ideal for paths, driveways and car parks.

Ideal for paths, driveways & car parks

Collingwood's Bollard lights are the perfect height and classic style for lighting paths, driveways and car parks. With a choice of different light outputs you can design your required look. Having an IP65 rating, our water protected Bollard lights are ideal for outdoor use. The Iroko wood used in the range weathers well, or can be treated to maintain its original colour, meaning they will fit into any style you may require.

LED vs Halogen

LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



BOLLARD LIGHTS

STUNNING, CHARISMATIC, CRAFTED

Collingwood Lighting's classic range of Iroko wooden bollards are available in single or triple LED light output. Leave them to weather naturally or treat to retain their stunning colour. Ideal for paths, driveways and car parks.

SIZE COMPARISON

Bollard Lights

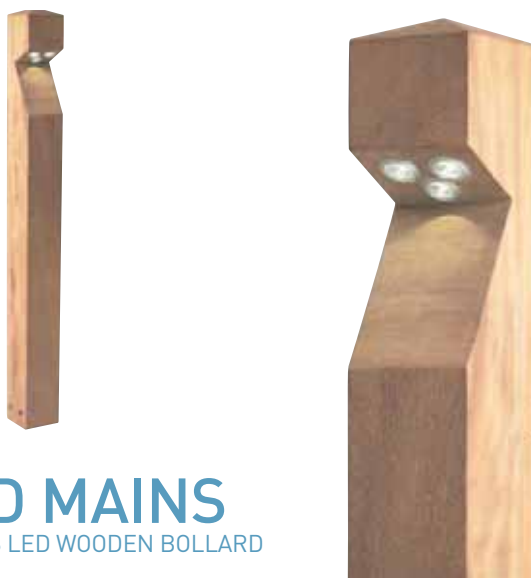


BOLLARD LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



BOL LED MAINS

STRAIGHT TO MAINS LED WOODEN BOLLARD

Features & Benefits

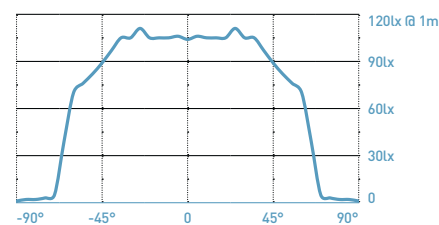
Use with chain / rope to edge path (not supplied)

Robust cable for outdoor use

Wood treatment is necessary to prevent weathering and/or cracking. Teak oil can be used to protect wood and preserve colour. Use a premium woodcare product to stain and protect. Always follow the manufacturer's instructions and reapply as directed.

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	BOL LED 030 MAINS NW	110°	5W	L70, B10 70,000hrs	>70Ra >80Ra	246	49	104
WW / 3000K	BOL LED 030 MAINS WW					160	32	80



GENERAL

Bathroom zone	2
Building regulations	N/A
Construction material	Iroko Wood
Cut-out (mm)	N/A
Face temperature when lit (°C)	43
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	Yes (Integral)
Tilt angle (°)	N/A
Weight (kg)	7

WIRING

Cable/flying lead (m)	1.8 (H05RN-F) rubberised cable
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)	N/A	No	N/A	N/A	N/A

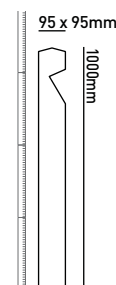
ACCESSORIES

Product code	Description	
BOL LED BRACKET	Stainless steel bracket for BOL LED range	205
JB1 / JB5	Waterproof junction box / Gel filled junction box	265

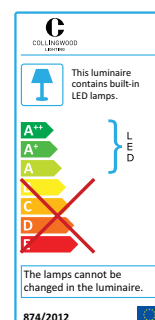
WARRANTY

1 year

Dimensions



Energy efficiency rating



BOLLARD LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



BOL LED 030 24V

TRIPLE LED WOODEN BOLLARD

Features & Benefits

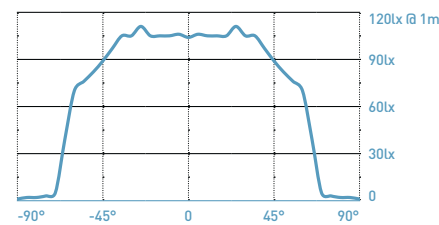
Use with chain / rope to edge path (not supplied)

Robust cable for outdoor use

Wood treatment is necessary to prevent weathering and/or cracking. Teak oil can be used to protect wood and preserve colour. Use a premium woodcare product to stain and protect. Always follow the manufacturer's instructions and reapply as directed.

PHOTOMETRICS^{@ 25°C}

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	BOL LED 030 24V NW	110°	4W	L70, B10 70,000hrs	>70Ra	246	62	104
WW / 3000K	BOL LED 030 24V WW				>80Ra	160	32	80



GENERAL

Bathroom zone	1 (2 when 1-10V)
Construction material	Iroko Wood
Cut-out (mm)	N/A
Face temperature when lit (°C)	43
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (kg)	7

WIRING

Cable/flying lead (m)	1.8 (H05RN-F) rubberised cable
Type of wiring required	Parallel

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
PDC/10/24V	N/A	Yes	Yes (PDC INT 1-10V)	1 (2 when 1-10V)	1	2
PDC/20/24V			Yes (1-10V)	2	1	5
PSDIP10024			Yes (1-10V)	1 (2 when 1-10V)	1	25

For additional LED Drivers see page 230

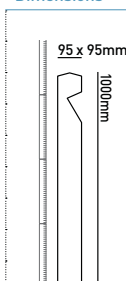
ACCESSORIES

Product code	Description	
BOL LED BRACKET	Stainless steel bracket for BOL LED range	205
JB5	Gel filled waterproof connector	265
WCR 275 BLACK	2-Core rubber cable	268

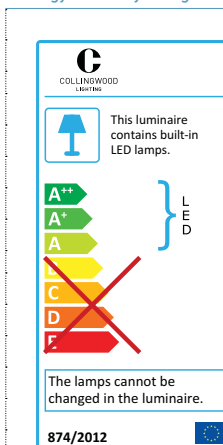
WARRANTY

1 year

Dimensions



Energy efficiency rating



LUMILEDS

The Brighter LED

BOLLARD LIGHTS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



BOL LED 1

WOODEN LED BOLLARD

Features & Benefits

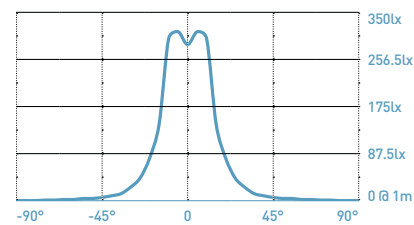
Use with chain / rope to edge path (not supplied)

Robust cable for outdoor use

Wood treatment is necessary to prevent weathering and/or cracking. Teak oil can be used to protect wood and preserve colour. Use a premium woodcare product to stain and protect. Always follow the manufacturer's instructions and reapply as directed.

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
NW / 4000K	BOL LED 1 NW	30°	1W	L70, B10 70,000hrs	>70Ra	70	70	290
WW / 3000K	BOL LED 1 WW				>80Ra	60	60	232



GENERAL

Bathroom zone	1
Building regulations	N/A
Construction material	Iroko Wood
Cut-out (mm)	N/A
Face temperature when lit (°C)	33
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (kg)	7

WIRING

Cable/flying lead (m)	1.8 (H05RN-F) rubberised cable
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			No	1	1	5
PLD UNIDRIVE			Yes (1-10V)	2	1	10

For LED driver bathroom zone & additional LED Drivers see page 230

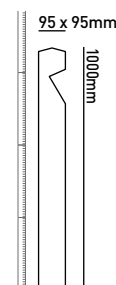
ACCESSORIES

Product code	Description	
BOL LED BRACKET	Stainless steel bracket for BOL LED range	205
JB4	Gel filled waterproof connector	265
WCR 275 BLACK	2-Core rubber cable	268

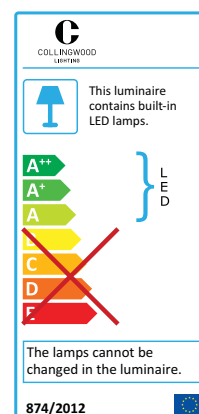
WARRANTY

1 year

Dimensions



Energy efficiency rating



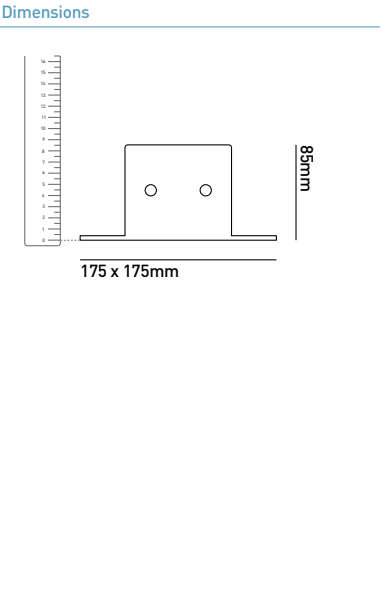


BOL LED BRACKET
STAINLESS STEEL BRACKET FOR BOL LED RANGE

Features & Benefits

Supplied with fixtures & fittings

PRODUCT DATA	
Product Code	BOL LED BRACKET
GENERAL	
Bathroom zone	N/A
Construction material	Stainless Steel (316)
Cut-out (mm)	N/A
IP rating	N/A
Weight (kg)	3
WIRING	
Cable	N/A
Series/Parallel	N/A
ACCESSORIES	
Product code	Description
BOL LED 1	Wooden LED bollard 204
BOLLED03024V	Wooden LED bollard 203
BOLLEDMAINS	Straight to mains wooden LED bollard 202
WARRANTY	
1 year	2



COLOUR CHANGE

Why choose Collingwood colour change lights?

Collingwood offers a comprehensive range of colour changing lighting products. With such an array of options, it is easy to create any mood you require in virtually any situation. Our range of colour change controllers and accessories make changing the colour and mood of an environment quick and hassle-free.

Mood Lighting

Our colour change lighting offers you an unlimited choice of colour options, meaning you can easily create the desired mood lighting in a matter of seconds using our easy to use colour change controllers. Scroll from one colour to another or simply fix on a single colour, the choice is yours.

Remote Control

Our range of colour change remote controls makes controlling your colour change lighting even easier. Solid colour change, solid colour tone and speed of colour change cycle can all be operated conveniently using Collingwood's colour change remote controls.

Range of options

With our extensive range of colour change lighting options, encompassing ground lights, wall lights, strip lighting, downlights, universal lights, spike lights and LED replacement units, it is possible to add mood lighting to almost any situation with ease. Our ground lights and spike lights are made using high quality, durable materials allowing you to have high quality, maintenance free outdoor mood lighting. Our colour change strip lights can create a striking mood lighting effect in almost any situation. Thanks to the extent of our range, it is easy to create your desired mood lighting effect easily in almost any environment.

LED vs Halogen

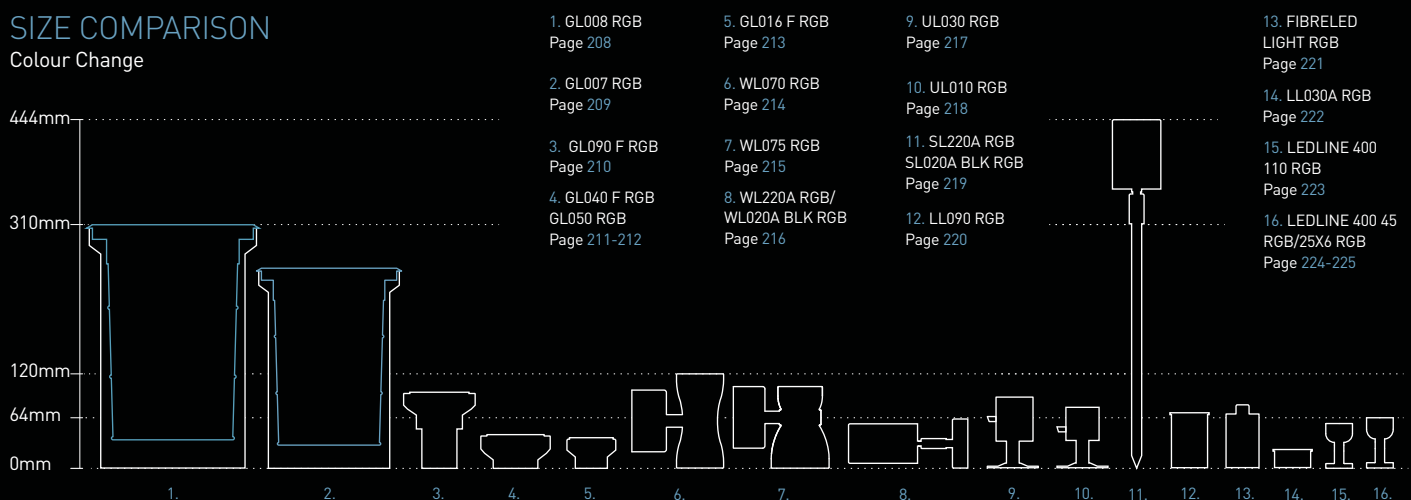
LEDs use far less energy, create less waste and provide a wider range of ambient light. This means you can create your desired look and feel whilst reducing your energy bills and spending less time changing fittings.



COLOUR CHANGE ATMOSPHERIC, CONTROLLABLE, EFFECTIVE

Colour changing lights offer more choice than solid colours. Change the mood easily at any time using a remote or wall mounted control. Choose from ground, wall, spike and many more options to enhance any environment.

SIZE COMPARISON Colour Change



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



GL008 RGB

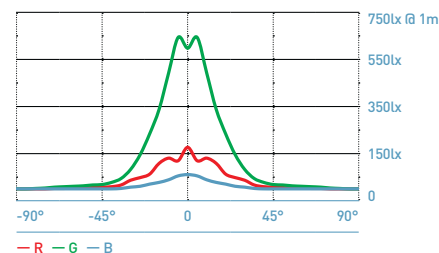
TWIN DRIVE OVER COLOUR CHANGE LED GROUND LIGHT

Features & Benefits

- Adjustable LED fitting
- Installation tube included
- 10mm toughend glass, ideal for use in driveways

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	GL008 RGB	40°	4.8W	70,000hrs	N/A	120	25	177
GR			7.4W			215	29	598
BL			7.4W			68	9	61



GENERAL

Bathroom zone	2
Construction material	Stainless Steel (cover ring only) / Aluminium (body)
Cut-out (mm)	N/A
Drive over / Walk over	Drive over (15mph max)
Face temperature when lit (°C)	24
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	±20
Weight (kg)	4.7

WIRING

Cable/flying lead (m)	1x 3m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

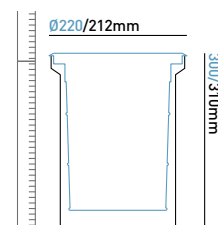
Product code	Description
Installation tube included	
JB3	Waterproof junction box 266
LED RGB 0.75 CABLE	4-Core PVC cable 269

For complete range of colour change controllers see page 233-234

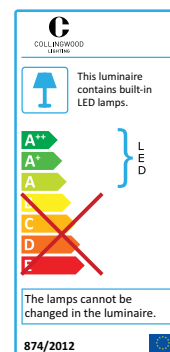
WARRANTY

1 year

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



GL007 RGB

DRIVE OVER COLOUR CHANGE LED GROUND LIGHT

Features & Benefits

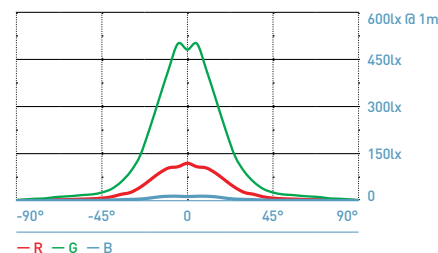
Adjustable LED fitting

Installation tube included

10mm toughend glass, ideal for use in driveways

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	GL007 RGB	36°	2.4W	70,000hrs	N/A	77	32	119
GR			3.7W			197	53	484
BL			3.7W			40	11	13



GENERAL

Bathroom zone	2
Construction material	Stainless Steel (cover ring only) / Aluminium (body)
Cut-out (mm)	N/A
Drive over / Walk over	Drive over (15mph max)
Face temperature when lit (°C)	35
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	±20
Weight (kg)	2.5

WIRING

Cable/flying lead (m)	2x 3m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	2

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

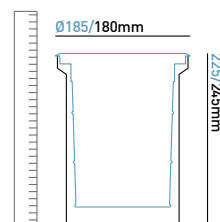
Product code	Description
Installation tube included	
JB3	Waterproof junction box 266
LED RGB 0.75 CABLE	4-Core PVC cable 269

For complete range of colour change controllers see page 233-234

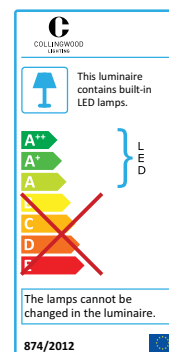
WARRANTY

1 year

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



GL090 F RGB

HIGH OUTPUT LED COLOUR CHANGE GROUND LIGHT

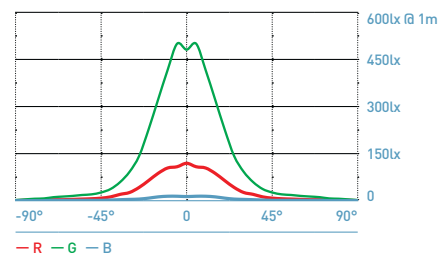
Features & Benefits

High output colour change for large areas

Installation tube available

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	GL090 F RGB	36°	2.4W	70,000hrs	N/A	77	32	119
GR			3.7W			197	53	484
BL			3.7W			40	11	13



GENERAL

Bathroom zone	2
Construction material	Stainless Steel [316]
Cut-out (mm)	65
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	32
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	900

WIRING

Cable/flying lead (m)	2x 1m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	2

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
TUBE/68	Installation tube	124
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-Core PVC cable	269

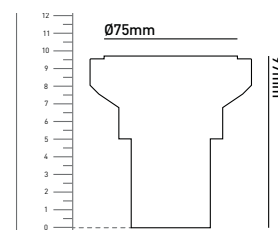
For complete range of colour change controllers see page 233-234

WARRANTY

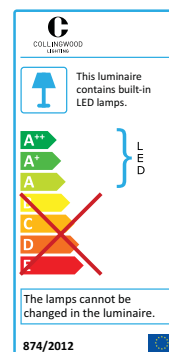
1 year

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



GL040 F RGB

COLOUR CHANGE LED GROUND LIGHT

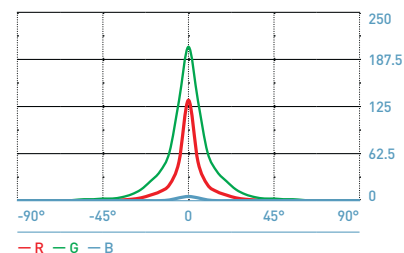


Features & Benefits

- Low profile for easy installation
- Installation tube available

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	GL040 F RGB	20°	1.1W	L70, B10 70,000hrs	N/A	22	20	133
GR			1.2W			36	30	204
BL			1.3W			10	8	6



GENERAL

Bathroom zone	2
Construction material	Stainless Steel (316)
Cut-out (mm)	65
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	30
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	800

WIRING

Cable/flying lead (m)	2x 1m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	9

For LED driver bathroom zone see page 230

ACCESSORIES

Product code	Description	
TUBE/68	Installation tube	124
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-Core PVC cable	269

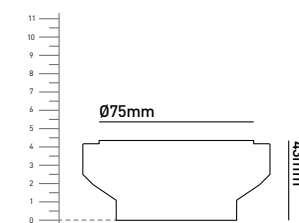
For complete range of colour change controllers see page 233-234

WARRANTY

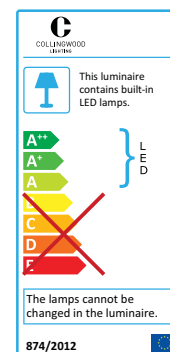
1 year (7 year extended warranty available)

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



GL050 RGB

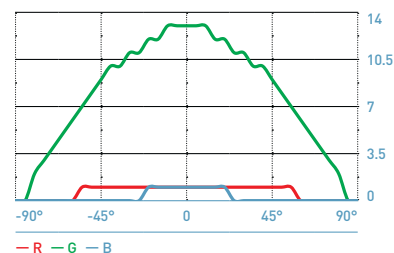
COLOUR CHANGE LED GROUND/MARKER LIGHT

Features & Benefits

- Frosted glass for subtle colour change
- Low profile for easy installation

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	GL050 RGB	100°	1.7W	70,000hrs	N/A	4	2	1
GR			2.5W			29	12	13
BL			2.7W			8	3	1



GENERAL

Bathroom zone	2
Construction material	Stainless Steel [316]
Cut-out (mm)	65
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	54
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	800

WIRING

Cable/flying lead (m)	2x 3m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Product code	mA	Yes	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	4

Bathroom zone applicable to fitting only

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
TUBE/68	Installation tube	124
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-Core PVC cable	269

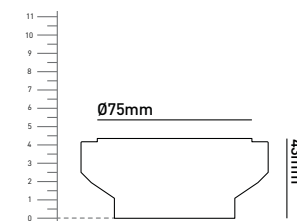
For complete range of colour change controllers see page 233-234

WARRANTY

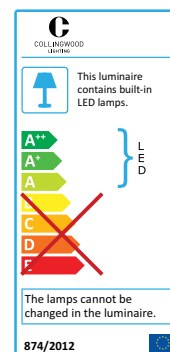
1 year

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



GL016 F RGB

LED COLOUR CHANGE GROUND LIGHT

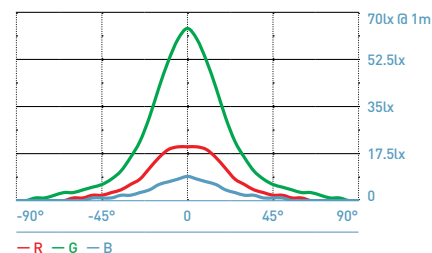
Features & Benefits

Installation tube available

Low profile for easy installation

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	GL016 F RGB	44°	1W	70,000hrs	N/A	18	18	9
GR			1.5W			25	17	64
BL			1.5W			8	5	20



GENERAL

Bathroom zone	2
Construction material	Stainless Steel (316)
Cut-out (mm)	50
Drive over / Walk over	Walk over (5mm toughened glass)
Face temperature when lit (°C)	47
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	300

WIRING

Cable/flying lead (m)	2x 1m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	6

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
TUBE/50	Installation tube	124
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-Core PVC cable	269

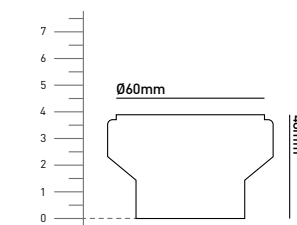
For complete range of colour change controllers see page 233-234

WARRANTY

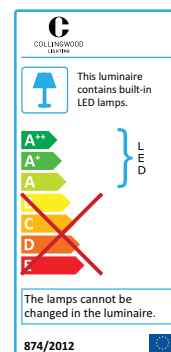
1 year

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



WL070 RGB

UP/DOWN LED COLOUR CHANGE WALL LIGHT

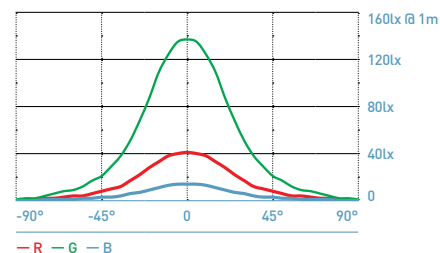
Features & Benefits

Complete with wall fixings

Projects light in two directions

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	WL070 RGB	46°	4.8W	70,000hrs	N/A	102	21	41
GR			7.4W			189	26	137
BL			7.4W			53	7	14



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	46
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	900

WIRING

Cable/flying lead (m)	1 (4-core ribbon cable)
Type of wiring required	Series (Plug & Play)

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description
LED 3 RGB EXT	Colour change 'Plug & Play' extension lead

229

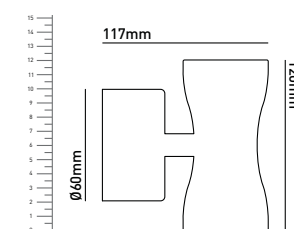
For complete range of colour change controllers see page 233-234

WARRANTY

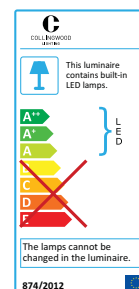
1 year

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



WL075 RGB

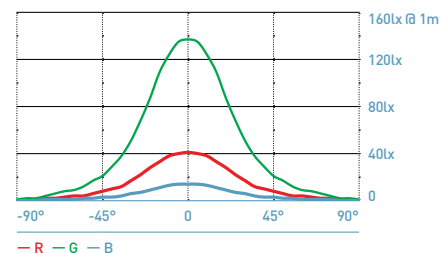
HIGH OUTPUT LED COLOUR CHANGE WALL LIGHT

Features & Benefits

Complete with wall fixings

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	WL075 RGB	56°	2.4W	70,000hrs	N/A	65	27	41
GR			3.7W			99	27	137
BL			3.7W			31	8	14



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	34
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (kg)	1.1

WIRING

Cable/flying lead (m)	2x 1m 4-core ribbon cable
Type of wiring required	Series (Plug & Play)

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	2

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description
LED 3 RGB EXT	Colour change 'Plug & Play' extension lead

229

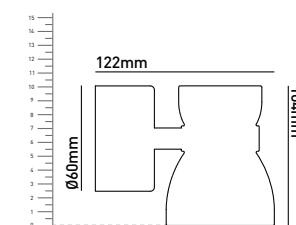
For complete range of colour change controllers see page 233-234

WARRANTY

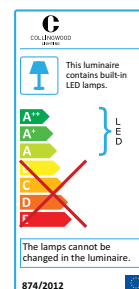
1 year

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



WL220A RGB



WL020A BLK RGB

Patent No: GB2487912

WL220A RGB / WL020A BLK RGB

COLOUR CHANGE LED WALL LIGHT

Features & Benefits

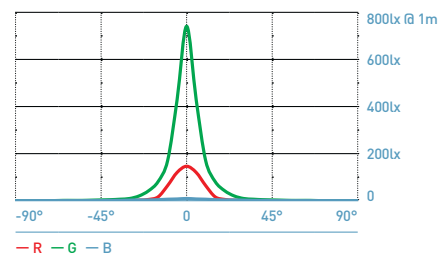
Complete with wall fixings

Adjustable angle to direct light

Suitable for indoor and outdoor use

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	WL220A RGB WL020A BLK RGB	18°	1.1W	L70, B10 70,000hrs	N/A	27	25	146
GR			1.2W			90	75	741
BL			1.3W			11	8	9



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	28
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	90
Weight (kg)	1

WIRING

Cable/flying lead (m)	2x 3m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	9

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

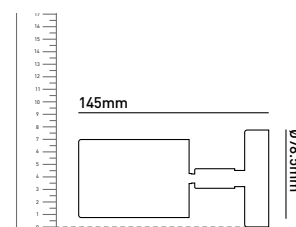
Product code	Description	
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-Core PVC cable	269

For complete range of colour change controllers see page 233-234

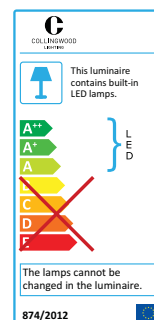
WARRANTY

1 year

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



UL030 RGB COLOUR CHANGE LED LIGHT

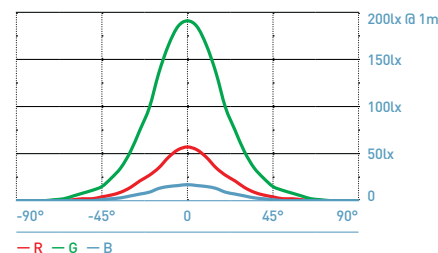
Features & Benefits

Complete with wall fixings

Can rotate and be angled to direct light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	UL030 RGB	40°	2.4W	70,000hrs	N/A	56	23	57
GR			3.7W			99	27	191
BL			3.7W			23	6	17



GENERAL

Bathroom zone	2
Construction material	Stainless Steel (316)
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	44
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	360
Weight (g)	900

WIRING

Cable/flying lead (m)	2x 1m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	2

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

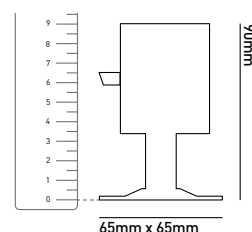
Product code	Description	
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-Core PVC cable	269

For complete range of colour change controllers see page 233-234

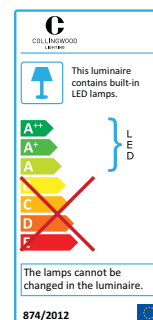
WARRANTY

1 year

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



UL010 RGB

COLOUR CHANGE LED LIGHT

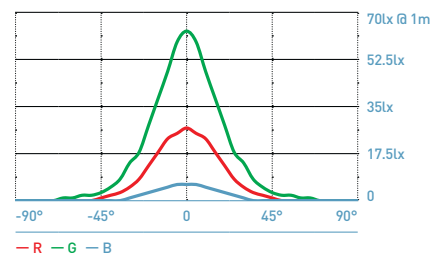
Features & Benefits

Complete with wall fixings

Can rotate and be angled to direct light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	UL010 RGB	40°	1W	70,000hrs	N/A	18	18	27
GR			1.5W			25	17	63
BL			1.5W			8	5	8



GENERAL

Bathroom zone	2
Construction material	Stainless Steel [316]
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	38
IP rating	67
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	360
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	360
Weight (g)	700

WIRING

Cable/flying lead (m)	2x 1m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	6

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

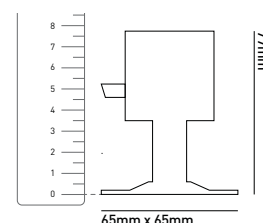
Product code	Description
JB3	Waterproof junction box 266
LED RGB 0.75 CABLE	4-Core PVC cable 269

For complete range of colour change controllers see page 233-234

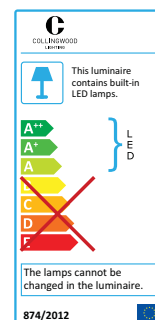
WARRANTY

1 year

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET

SL220A RGB / SL020A BLK RGB

COLOUR CHANGE LED SPIKE LIGHT

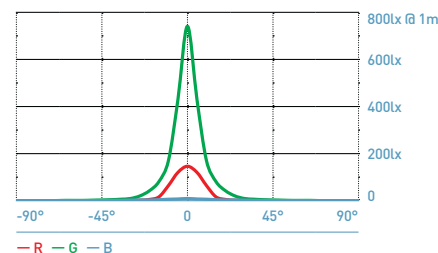


Features & Benefits

Adjustable angle to direct light

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	SL220A RGB SL020A BLK RGB	18°	1.1W	L70, B10 70,000hrs	N/A	27	25	146
GR			1.2W			90	75	741
BL			1.3W			11	8	9



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminium
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	28
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	90
Weight (g)	700

WIRING

Cable/flying lead (m)	2x 3m LED RGB 0.75 CABLE
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	9

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

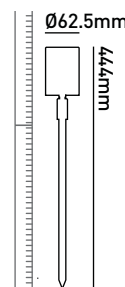
Product code	Description	
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4-core PVC cable	269

For complete range of colour change controllers see page 233-234

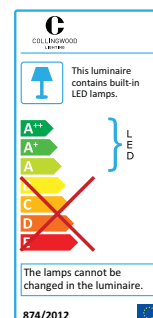
WARRANTY

1 year

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



LL090 RGB

COLOUR CHANGE LED UNIT

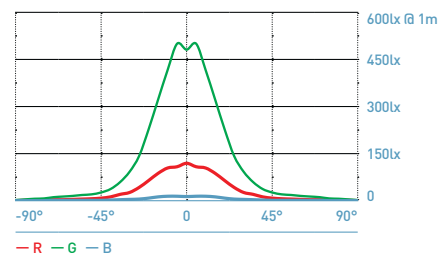
Features & Benefits

MR16 for retrofit into existing housings

Plug & Play connectors for quick installation

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	LL090 RGB	36°	2.4W	70,000hrs	N/A	77	32	119
GR			3.7W			197	53	484
BL			3.7W			40	11	13



GENERAL

Bathroom zone	Housing dependant
Construction material	Aluminium
Cut-out (mm)	Housing dependant
Drive over / Walk over	N/A
Face temperature when lit (°C)	54
IP rating	40 (housing dependant for zone 2)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	Housing dependant
Weight (g)	200

WIRING

Cable/flying lead (m)	2x 1m 'Plug & Play' 4-Core ribbon cable
Type of wiring required	Series (Plug & Play)

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	2

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description
LED 3 RGB EXT	Colour change 'Plug & Play' extension lead

229

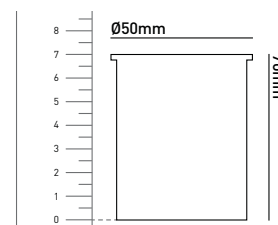
For complete range of colour change controllers see page 233-234

WARRANTY

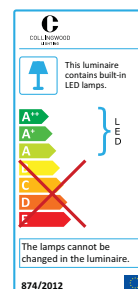
1 year

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



FIBRE LED LIGHT RGB

COLOUR CHANGE LED INJECTOR

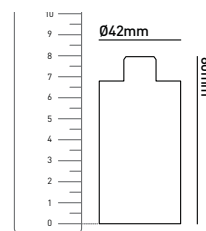
Features & Benefits

- Low weight for mounting in ceiling voids
- Requires no fan to cool down
- Projects light down 1m & 2m lengths of fibre

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	FIBRELED LIGHT RGB	N/A	1.2W	70,000hrs			N/A	
GR								
BL								

Dimensions



GENERAL

Bathroom zone	N/A
Construction material	Aluminium
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	32
IP rating	N/A
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	N/A
Weight (g)	800

WIRING

Cable/flying lead (m)	2x 1m 4 core ribbon cable
Type of wiring required	Series (Plug & Play)

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	4

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description	
LED 3 RGB EXT	Colour change 'Plug & Play' extension lead	229
FIBRE LED 1/30	Fibre optics	92
FIBRE LED 2/30	Fibre optics	92

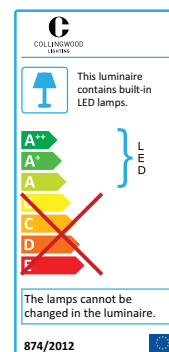
For complete range of colour change controllers see page 233-234

WARRANTY

1 year

2

Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



LL030A RGB

COLOUR CHANGE LED UNIT

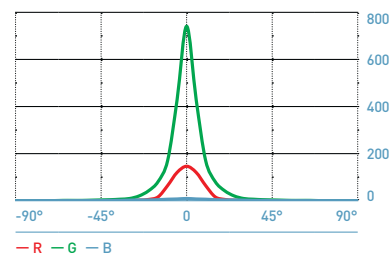


Features & Benefits

- MR16 for retrofit into existing housings
- Plug & Play connectors for quick installation
- Short heatsink for shallow housings

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	LL030A RGB	18°	1.1W	L70, B10 70,000hrs	N/A	27	25	146
GR			1.2W			90	75	741
BL			1.3W			11	8	9



GENERAL

Bathroom zone	Housing dependant
Construction material	Aluminium
Cut-out (mm)	Housing dependant
Drive over / Walk over	N/A
Face temperature when lit (°C)	58
IP rating	40 (housing dependant for zone 2)
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	Housing dependant
Weight (g)	50

WIRING

Cable/flying lead (m)	2x 1m 'Plug & Play' 4-Core ribbon cable
Type of wiring required	Series (Plug & Play)

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

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	9

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

Product code	Description
LED 3 RGB EXT	Colour change 'Plug & Play' extension lead

229

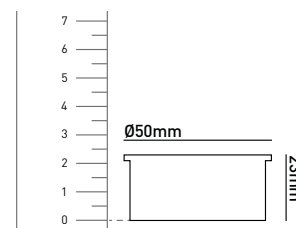
For complete range of colour change controllers see page 233-234

WARRANTY

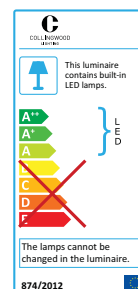
1 year (7 year extended warranty available)

2

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



LEDLINE 400 RGB 110

110° COLOUR CHANGE LED WALL WASHING LIGHT BAR



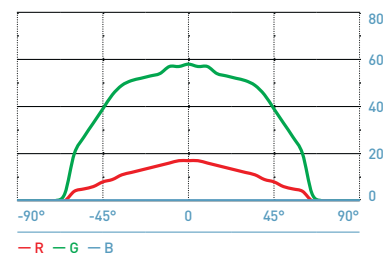
Features & Benefits

Surface mount in multiple applications

Removable feet can be used anywhere along the base or sides, allen key included

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	LEDLINE 400 RGB 110	110°	3.9W	L70, B10 70,000hrs	N/A	96	25	20
GR			4.3W			161	37	58
BL			4.4W			51	12	0



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminum
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	28
IP rating	65
Maximum ambient temperature (ta = °C)	35
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	180
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (LED RGB 0.75 CABLE)
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

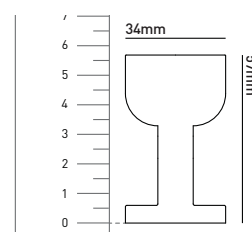
Product code	Description	
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4 core PVC cable	269

For complete range of colour change controllers see page 233-234

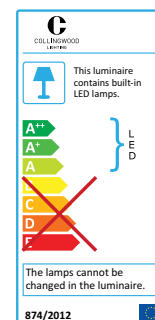
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



LEDLINE 400 RGB 45

45° COLOUR CHANGE LED WALL WASHING LIGHT BAR



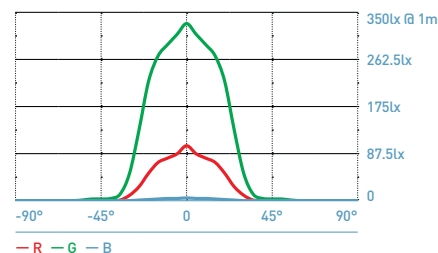
Features & Benefits

Surface mount in multiple applications

Removable feet can be used anywhere along the base or sides, allen key included

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	LEDLINE 400 RGB 45	45°	3.9W	L70, B10 70,000hrs	N/A	77	20	102
GR			4.3W			285	66	329
BL			4.4W			51	12	5



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminum
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	28
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	180
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (LED RGB 0.75 CABLE)
Type of wiring required	Series

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

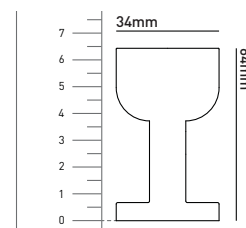
Product code	Description	
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4 core PVC cable	269

For complete range of colour change controllers see page 233-234

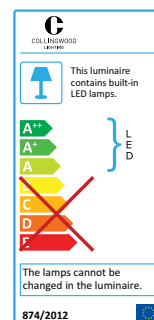
WARRANTY

1 year (7 year extended warranty available)

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



LEDLINE 400 RGB 25X6

25X6° COLOUR CHANGE LED WALL WASHING LIGHT BAR



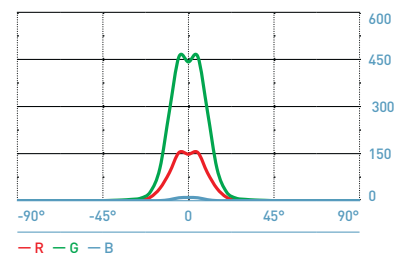
Features & Benefits

Surface mount in multiple applications

Removable feet can be used anywhere along the base or sides, allen key included

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	LEDLINE 400 RGB 25X6	25X6°	3.9W	L70, B10 70,000hrs	N/A	70	18	154
GR			4.3W			136	32	442
BL			4.4W			23	5	10



GENERAL

Bathroom zone	2
Construction material	Anodised Aluminum
Cut-out (mm)	N/A
Drive over / Walk over	N/A
Face temperature when lit (°C)	28
IP rating	65
Maximum ambient temperature (ta = °C)	40
Rotation angle (°)	N/A
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Tilt angle (°)	180
Weight (g)	700

WIRING

Cable/flying lead (m)	3 (LED RGB 0.75 CABLE)
Type of wiring required	Series

LED DRIVERS

Bathroom zone applicable to fitting only

Product code	mA	SELV	Dimming	Bathroom zone	Min	Max
RGBOX 350 3X1-10	350	Yes	N/A	2	1	1

For LED driver bathroom zone & additional LED Drivers see page 230

ACCESSORIES

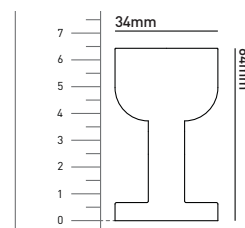
Product code	Description	
JB3	Waterproof junction box	266
LED RGB 0.75 CABLE	4 core PVC cable	269

For complete range of colour change controllers see page 233-234

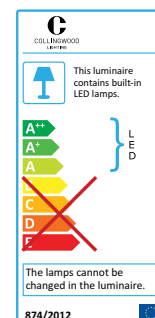
WARRANTY

1 year (7 year extended warranty available)

Dimensions



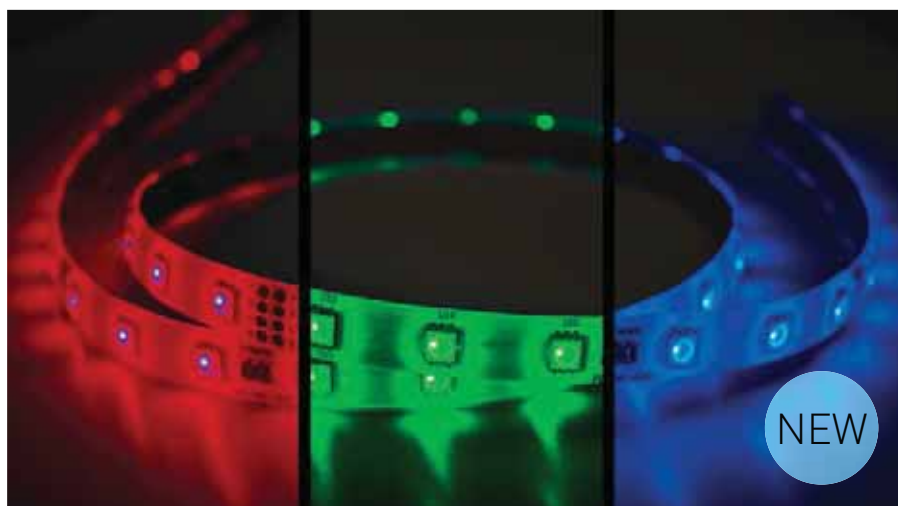
Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



**COLLINGWOOD
LIGHTING**



LED5050RGB

COLOUR CHANGE SELF ADHESIVE FLEXIBLE STRIP

Features & Benefits

Hardwearing clear splash-proof covering

Long lengths (up to 5m) suffer no light loss

Cut point every 125mm

200mm ribbon cable attached

Foil backed flexible PCB dissipates heat
(improves LED life and colour stability)

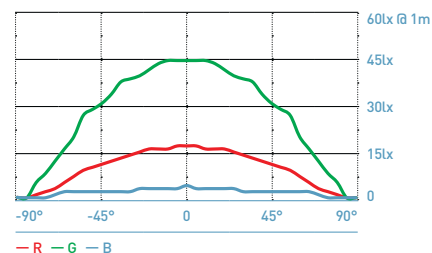
Self adhesive backing

Supplied in customised lengths (1m upto 5m in 1m increments)

NB: Cutting to required length will render this product non-returnable

PHOTOMETRICS@ 25°C

Colour	Beam angle	Wattage/m	Life of LED	CRI	lm/m	lm/W	lx (1m)
RE	150°	4W	70,000hrs	N/A	98	25	19
GR		3.4W			149	44	53
BL		2.6W			39	15	5



ORDER CODES

LS5RGB050	5m reel of LED5050RGB strip
LS5RGBXXX	Bespoke length of LED5050RGB strip. XXX to be replaced by bespoke length eg. 010 = 1m, 020 = 2m etc. Available in 1m, 2m, 3m & 4m lengths

GENERAL

Bathroom zone	N/A
Building regulations	N/A
Construction material	Flexible Tape
Face temperature when lit (°C)	57
IP rating	20
SELV (safety extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g/m)	20

WIRING

Cable/flying lead (m)	0.2m ribbon cable
Type of wiring required	Parallel

LED DRIVERS

Product code	mA	SELV	Dimming	Bathroom zone	Min (m)	Max (m)
RGBOX 24V 55W	N/A (24V)	Yes	Yes (PWM)	N/A	1m	5m

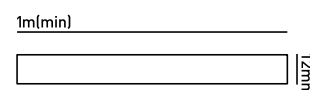
ACCESSORIES

Product code	Description	
LED STRIP PROFILE RANGE	To view our full range of profiles please visit collingwoodlighting.com or call us on 01604 495151 for more information	168-176
DMX CONTOLLERS	To view our full range of colour change controllers please visit collingwoodlighting.com or call us on 01604 495151 for more information	233-233
LED RGB 0.75 CABLE	4 core PVC cable	269

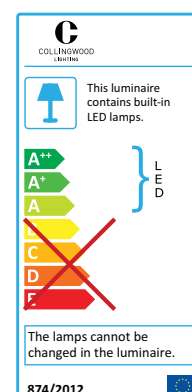
WARRANTY

3 years

Dimensions



Energy efficiency rating



COLOUR CHANGE TECHNICAL SPECIFICATION SHEET



STARSTRIP RGB

FIXED WATERPROOF LED STRIP*

Features & Benefits

Aluminium backed strip for higher light output and longer life

Easy to affix to surfaces

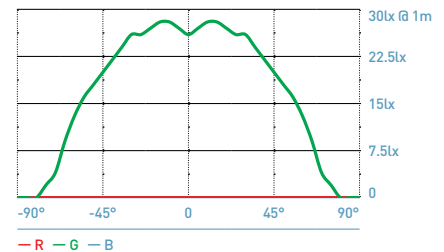
Link to additional STARSTRIP using 'Plug & Play' connectors

*Supplied connectors are not waterproof.
To make waterproof, remove connectors and replace with UY2s

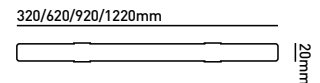
1m extension leads available

PHOTOMETRICS @ 25°C

Colour	Product code	Beam angle	Wattage	Life of LED	CRI	lm	lm/W	lx (1m)
RE	STARSTRIP/32 RGB	120°	1W	70,000hrs	N/A	26	26	1
GR			0.9W			58	64	7
BL			0.9W			16	18	1
RE	STARSTRIP/62 RGB		1.9W			44	23	1
GR			1.8W			128	71	26
BL			1.8W			22	12	1
RE	STARSTRIP/92 RGB		2.9W			66	23	1
GR			2.7W			192	71	20
BL			2.7W			33	12	1
RE	STARSTRIP/122 RGB		3.8W			132	35	1
GR			3.6W			256	71	20
BL			3.6W			44	12	1



Dimensions



GENERAL

Bathroom zone	1 (when used with UY2 connectors)
Construction material	Aluminium
Face temperature when lit (°C)	45
IP rating	60 (65 when used with UY2 connectors)
Maximum ambient temperature (ta = °C)	30
SELV (separated extra low voltage) driver	N/A (refer to LED DRIVERS section below)
Weight (g)	70 / 140 / 210 / 280

WIRING

Cable/flying lead (m)	0.15 (4-core ribbon cable)
Type of wiring required	Parallel (Plug & Play) NB: Removal of plugs will render this product non-returnable

LED DRIVERS

Max number of STARSTRIP units per driver

Product code	SELV	...32	...62	...92	...122
RGBOX 24V 55W	Yes	18	9	6	4

ACCESSORIES

Product code	Description	
STARSTRIP RGB 1M EXT	Cable extension for STARSTRIP RGB	228
UY2 CONNECTOR	Quick waterproof connector	268

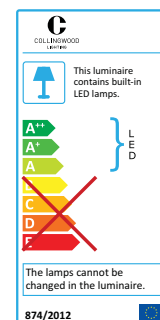
WARRANTY

1 year

For complete range of colour change controllers see page 233-234

2

Energy efficiency rating





STARSTRIP RGB 1M EXT
CABLE EXTENSION

Features & Benefits
Supplied in 1m lengths
Contains 1 male & 1 female connector
See website for maximum cable lengths

PRODUCT DATA	
Product Code	STARSTRIP RGB EXT
GENERAL	
Bathroom zone	N/A
Construction material	Copper cable
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A
WIRING	
Cable	N/A
Series/Parallel	Parallel
WARRANTY	
1 year	2

fig1



fig2



Features & Benefits

Simple extension for series circuit

Use multiple extensions for longer lead requirements [fig1]

Complete circuit with blanking plug [fig2]

LED 3 RGB EXT
COLOUR CHANGE EXTENSION LEAD

PRODUCT DATA

Product Code	LED 3 RGB EXT
--------------	---------------

GENERAL

Bathroom zone	N/A
Construction material	Copper cable
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	N/A

WIRING

Cable	1m
Series/Parallel	Series (Plug & Play)

USE IN CONJUNCTION WITH

Product code	Description	
FIBRE LED LIGHT RGB	Colour change LED light injector	221
LL030A RGB	Colour change LED unit	222
LL090 RGB	Colour change LED unit	220
WL070 RGB	Up/Down LED colour change wall light	214
WL075 RGB	High output LED colour change wall light	215

WARRANTY

1 year

2

WIRING & DRIVERS



Why choose Collingwood wiring and drivers?

Collingwood's wiring and drivers provide you with all components you need to install our products, offering ease of installation and maintenance free installations for many years to come.

Complement Collingwood products perfectly

We offer wiring and drivers suitable for all Collingwood lighting products, allowing you to install our products knowing that you will receive the same high quality and durability you receive from our entire product range.

IP Rated connectors

Collingwood's 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 in up to 1.3m of water. Collingwood's IP rated connectors are gel filled and able to be opened and closed, allowing for repeat use. Thanks to these connectors being a single terminal block, installation couldn't be simpler. Available for series, parallel and straight to mains wiring, and suitable for 2 or 3 core cable, our IP rated connectors ensure that all of our IP rated LED lights can be wired to the same high standard.

WIRING & DRIVERS

A comprehensive range of power supplies and wiring accessories for the Collingwood range of LED products.

RGBOX IR-2 CONTROL

COLOUR CHANGE REMOTE CONTROL

PRODUCT DATA	
Product Code	RGBOX IR-2 CONTROL
Construction material	Plastic
IP rating	20
Weight (g)	200
Warranty	1 year 2

ACCESSORIES	
Product code	Description
RGBOX 350 3X1-10	Colour change power supply 245

FEATURES & BENEFITS	
Control 1-10 RGBOX 350 3X1-10	
Comes complete with MR11 housing for remote eye	
Select 28 colour options	

RGBOX IR-3 CONTROL (24V)

COLOUR CHANGE REMOTE CONTROL

PRODUCT DATA	
Product Code	RGBOX IR-3 CONTROL
Construction material	Plastic
IP rating	20
Weight (g)	200
Warranty	1 year 2

ACCESSORIES	
Product code	Description
LED5050RGB	Colour change self adhesive flexible strip 226
STARSTRIP RGB	Fixed waterproof colour change strip 227
PDC range	24V LED drivers 253-258

FEATURES & BENEFITS	
Comes complete with MR11 housing for remote eye	
Select 28 colour options	

RGBOX IR-4 CONTROL (24V)

COLOUR CHANGE REMOTE CONTROL

PRODUCT DATA	
Product Code	RGBOX IR-4 CONTROL
Construction material	Plastic
IP rating	20
Weight (g)	200
Warranty	1 year 2

ACCESSORIES	
Product code	Description
LED5050RGB	Colour change self adhesive flexible strip 226
RGBOX 24V 55W	24V colour change power supply 262
STARSTRIP RGB	Fixed waterproof colour change strip 227

FEATURES & BENEFITS	
Comes complete with MR11 housing for remote eye	
Links directly to RGBOX 24V 55W	

DMXC

WALL MOUNT COLOUR CHANGE CONTROLLER



PRODUCT DATA

Product Code	DMXC
Construction material	Plastic
IP rating	20
Weight (g)	200
Warranty	1 year

ACCESSORIES

Product code	Description	
RGBOX 350 3X1-10	Colour change power supply (use with DMXI)	245
RGBOX 24V 55W	24V colour change power supply	262
DMXI	DMX interface	234

FEATURES & BENEFITS

Control up to 6 zones individually

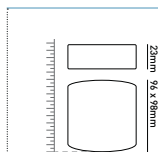
Control 1-1440 RGB sets per zone from 1 DMXC using LL030A RGB

Driver included

Output: DMX 512

Set up 4 colour change programs

DIMENSIONS



DMXT

WALL MOUNT TOUCH SENSITIVE COLOUR CHANGE CONTROLLER

PRODUCT DATA

Product Code	DMXT
Construction material	Plastic
Cut-out (mm)	Install in single recessed pattress box
IP rating	20
Warranty	1 year

ACCESSORIES

Product code	Description	
RGBOX 350 3X1-10	Colour change power supply (use with DMXI)	245
RGBOX 24V 55W	24V colour change power supply	262
DMXI	DMX interface	234

FEATURES & BENEFITS

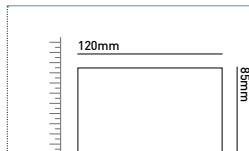
Input: 220-240V AC to driver (supplied)

Output: DMX 512

Modes: On/Off, Master dimmer (all channels simultaneously), Colour wheel, Colour cycle, Primary colours & white. Stores up to 6 presets

Supplied with silver & white bezels

DIMENSIONS



DMXC WM 01

WALL MOUNT DMX CONTROLLER



PRODUCT DATA

Product Code	DMXC WM 01
Construction material	Stainless Steel
Cut-out (mm)	Install in double pattress box (included)
IP rating	20
Weight (g)	300
Warranty	1 year

ACCESSORIES

Product code	Description	
RGBOX 350 3X1-10	Colour change power supply (use with DMXI)	245
RGBOX 24V 55W	24V colour change power supply	262
DMXI	DMX interface	234

FEATURES & BENEFITS

12 preset colour change programs

Control 1-1440 RGB sets from 1 DMXC WM01 when using LL030A RGB & GL040 RGB

Pattress box included

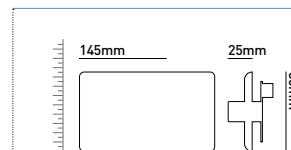
Driver & 5m linking cables included

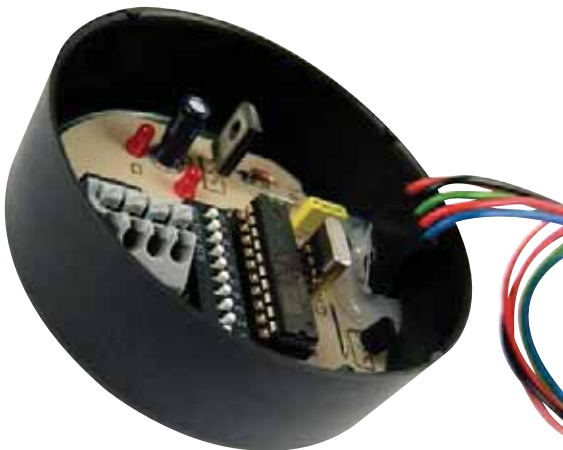
Integral microphone for 'sound to light' option

Input: 220-240V AC

Output: DMX 512

DIMENSIONS

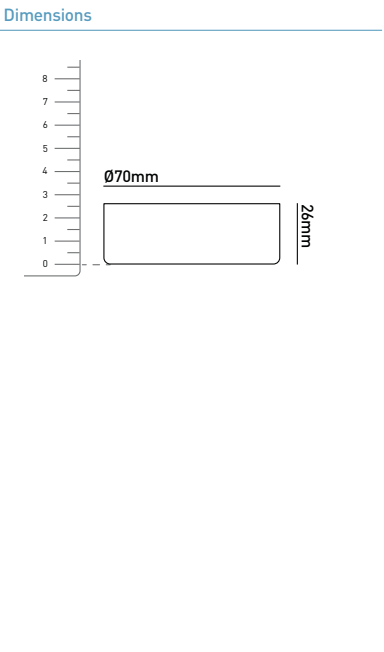




DMXI
DMX INTERFACE

Features & Benefits
1m cable attached
Can be used with any DMX 512 signal generator
Plug & Play to RGBOX 350 3X1-10
Use DMX RS 485 cable to link 1-32 DMXI

PRODUCT DATA	
Product Code	DMXI
GENERAL	
Bathroom zone	N/A
Construction material	Plastic
Cut-out (mm)	N/A
IP rating	N/A
Weight (g)	700
WIRING	
Cable	1m 5-Core ribbon cable with connector
Series/Parallel	Parallel
ACCESSORIES	
Product code	Description
RGBOX 350 3X1-10	Colour change power supply (use with DMXI) 245
DMXC WM 01	Wall mount DMX controller 233
DMXT	Wall mount touch sensitive colour change controller 233
DMX RS 485 CABLE	3-Core shielded cable 269
DMXC	Wall mount colour change controller 233
WARRANTY	
1 year	2



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



PLS/350

LED DRIVER (SERIES)

Features & Benefits

Constant current LED driver

Contains open terminals, must be housed correctly

For 1x 1W LED

PRODUCT DATA

Product Code	PLS/350 1
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ELECTRICAL CHARACTERISTICS

	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage	N/A	220-240V	350mA	0-14V MAX	0.5

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	N/A
Double insulation	No
Efficiency (%)	80
Inrush current	15.3A 0.3mS
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	30

WIRING

Connection output	Terminals
Input cable (m)	0.5-1.5mm² MAX
Output cable (m)	0.5-1.5mm² MAX

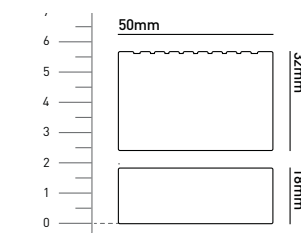
ACCESSORIES

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

WARRANTY

1 year

Dimensions





PLR/350 1-5
LED DRIVER (SERIES)

Features & Benefits
Constant current driver
Fixed flying leads
For 1-5 1W LED
Suitable for products fitted in Zone 0

PRODUCT DATA					
Product Code	PLR/350 1-5				

ELECTRICAL CHARACTERISTICS					
	INPUT		OUTPUT		
Rated wattage	Current	Voltage	Current	Voltage	Power factor
N/A	N/A	220-240V	350mA	0-24V MAX	0.6

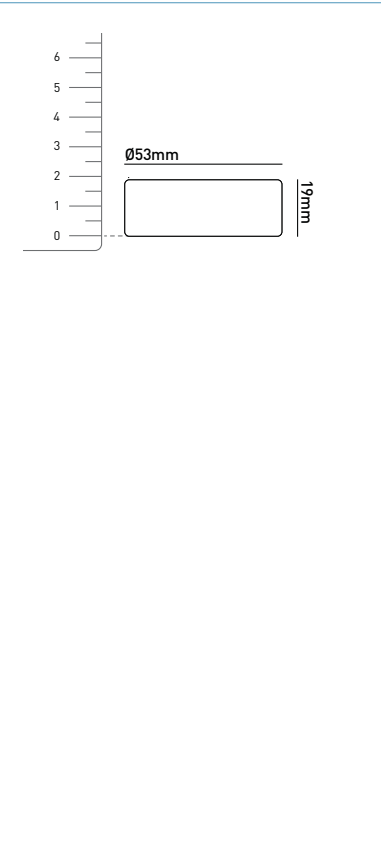
GENERAL	
Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	>70%
Inrush current	12.8A 0.6mS
IP rating	40
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	40

WIRING	
Connection output	Flying lead
Input cable (m)	0.2
Ouput cable (m)	0.2

ACCESSORIES	
Product code	Description
N/A	There are currently no accessories associated with this product

WARRANTY	
1 year	2

Dimensions





PLU/350 1-9

LED DRIVER (SERIES)

Features & Benefits

Constant current LED driver

For 1-9 1W LED

Mains loop in/loop out terminals

PRODUCT DATA

Product Code	PLU/350 1-9
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ELECTRICAL CHARACTERISTICS

	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage	N/A	220-240V	350mA	0-36V MAX	0.55

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	80
Inrush current	25.5A 0.6mS
IP rating	40
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	80

WIRING

Connection output	Terminals
Input cable (m)	1.5mm ² MAX
Output cable (m)	1.5mm ² MAX

ACCESSORIES

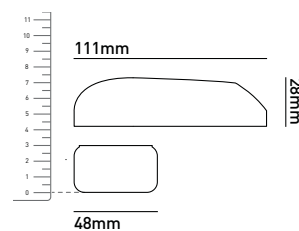
Product code	Description
IX 265	PLU weatherproof housing 267

WARRANTY

1 year

2

Dimensions





PLU/PP/350 1-9

LED DRIVER (SERIES PLUG & PLAY)

Features & Benefits

- Constant current LED driver
- For 1-9 1W LED
- Plug & Play connector attached
- Mains loop in/loop out terminals

PRODUCT DATA

Product Code	PLU/PP/350 1-9
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	N/A	220-240V	350mA	0-36V MAX	0.55

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	80
Inrush current	25.5A 0.6mS
IP rating	40
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable (m)	1.5mm² MAX
Output cable (m)	1.5mm² MAX

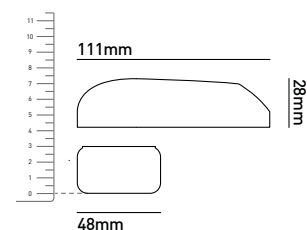
ACCESSORIES

Product code	Description	
LL030A	MR16 3W replacement LED	99
LL090A	MR16 high output replacement LED	98
LED LYTE range	Mini LED light	186-189
LED LYTE 1M EXT	1m Plug & Play extension lead	190
LED LYTE 6 WAY EXT	6 way Plug & Play extension lead	190

WARRANTY

1 year	2
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Dimensions





PLU/PP6/350 1-9

LED DRIVER (SERIES PLUG & PLAY)

Features & Benefits

Constant current LED driver

For 1-9 1W LED

6 way Plug & Play connector attached

Mains loop in/loop out terminals

PRODUCT DATA

Product Code	PLU/PP6/350 1-9
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ELECTRICAL CHARACTERISTICS

	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage	N/A	220-240V	350mA	0-36V MAX	0.55

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	80
Inrush current	25.5A 0.6mS
IP rating	40
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable (m)	0.5-1.5mm² MAX
Output cable (m)	0.5-1.5mm² MAX

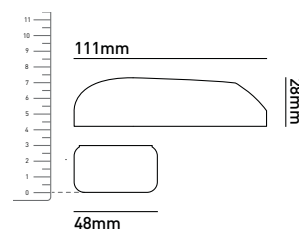
ACCESSORIES

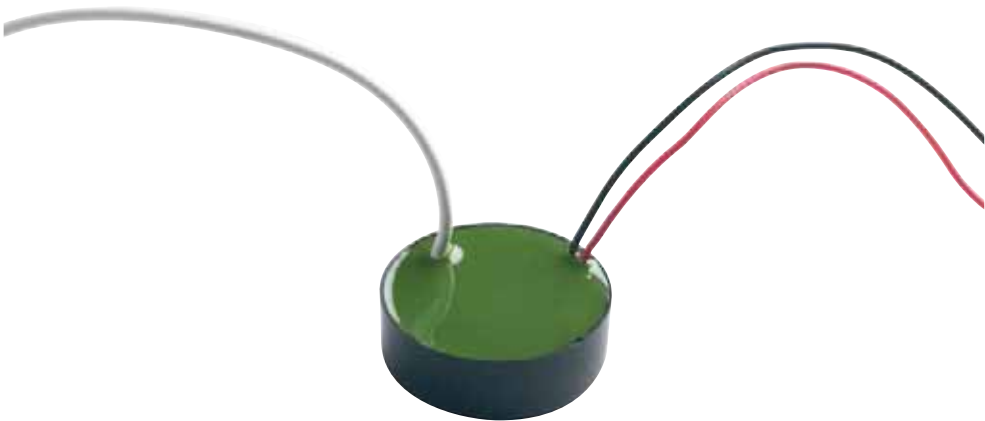
Product code	Description	
LL030A	MR16 3W replacement LED	99
LL090A	MR16 high output replacement LED	98
LED LYTE range	Mini LED light	186-189
LED LYTE 1M EXT	1m Plug & Play extension lead	190

WARRANTY

1 year

Dimensions





PL/IP/350 1-9
WATERPROOF LED DRIVER (SERIES)

Features & Benefits
Constant current LED driver
Fixed flying leads
For 1-9 1W LED
Waterproof for use outdoors

PRODUCT DATA					
Product Code	PL/IP/350 1-9				

ELECTRICAL CHARACTERISTICS					
Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	100mA MAX	220-240V	350mA	36V MAX	0.6

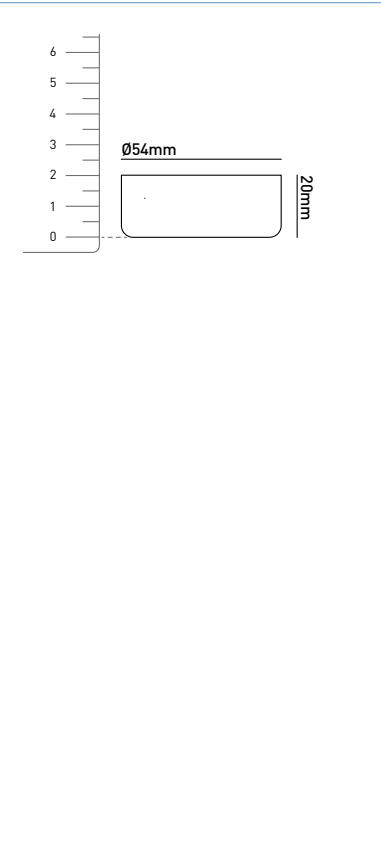
GENERAL	
Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	70
Inrush current	12.8 0.8mS
IP rating	65
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	80

WIRING	
Connection output	Flying lead
Input cable (m)	0.3
Ouput cable (m)	0.3

ACCESSORIES	
Product code	Description
N/A	There are currently no accessories associated with this product

WARRANTY	
1 year	2

Dimensions





PL/IP/350 3-12

WATERPROOF LED DRIVER (SERIES)

Features & Benefits

- Constant current LED driver
- Fixed flying leads
- For 3-12 1W or 1-4 3W LED
- Waterproof for use outdoors

PRODUCT DATA

Product Code	PL/IP/350 3-12
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	150mA	220-240V	350mA	48V MAX	0.6

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	70
Inrush current	14.9A 0.6mS
IP rating	65
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	200

WIRING

Connection output	Flying lead
Input cable (m)	0.3
Output cable (m)	0.3

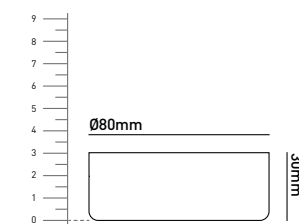
ACCESSORIES

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

WARRANTY

1 year

Dimensions





PLD-UNIDRIVE (350)

1-10V DIMMABLE LED DRIVER (SERIES)

Features & Benefits

- Constant current LED driver
- 1-10V & press to make compatible
- For 1-10 1W LED
- Min/Max load: 1-10 x LEDs @ 350mA
- Sync up to 10 units for dimming (sync cable included)

PRODUCT DATA

Product Code	PLD-UNIDRIVE (350)
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
15W	N/A	220-240V	350mA	49V MAX	0.98

GENERAL

Ambient temp (ta = °C)	-25 to +50
Case temp (tc = °C)	75
Control	Dimmable 1-10V & press to make. Sync up to 10 units with supplied cable.
Double insulation	Yes
Efficiency (%)	80%
Inrush current	5A 0.05mS
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating (over heating can be reset)
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable	0.5-1.5mm² MAX
Output cable	0.5-1.5mm² MAX

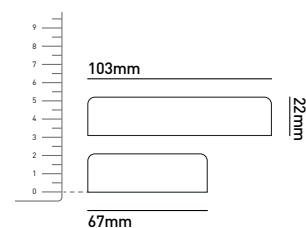
ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
SYNC CABLE 4M	4m sync cable	81

WARRANTY

1 year	2
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Dimensions



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



PSDAL350M

DALI DIMMABLE LED DRIVER

Features & Benefits

Constant current LED driver

Dimmable with 'push to make' or 1-10V

Addressable DALI

Min/Max load: 1-20 x LEDs @ 350mA

Sync up to 10 units for dimming
(sync cable included)

PRODUCT DATA

Product Code	PSDAL350M
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ELECTRICAL CHARACTERISTICS

	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage					
25W	0.25A	110-240V	350mA	70V	>0.95

GENERAL

Ambient temp (ta = °C)	-25 to +50
Case temp (tc = °C)	80
Control	Dimmable 1-10V & DALI. Sync up to 10 units
Double insulation	Yes
Efficiency (%)	90%
Inrush current	20A 400µs
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating (over heating can be reset)
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable	0.5-2.5mm² MAX
Output cable	0.5-2.5mm² MAX

ACCESSORIES

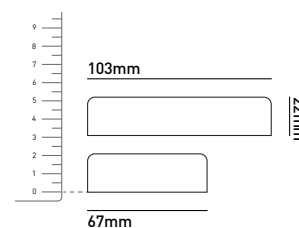
Product code	Description	
PDC/GRID DIMMER	1-10V grid dimmer kit for multiple fitting types	264
SYNC CABLE 4M	4m sync cable	81

WARRANTY

1 year

2

Dimensions





PLDCC/350/10-28

MINI LED DRIVER (SERIES)

Features & Benefits

- Constant current LED driver
- Power up to 3 x 1W LED with 12V input or up to 6 x 1W LED with 24V input
- Suitable for use in boats & caravans
- Up to 12 hours running time on a leisure battery

PRODUCT DATA

Product Code	PLDCC/350/10-28
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	N/A	10-28V DC	350mA	28V	0.55

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	N/A
Efficiency (%)	60
Inrush current	N/A
IP rating	20
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	20

WIRING

Connection output	Flying lead
Input cable (m)	0.2
Output cable (m)	0.2

ACCESSORIES

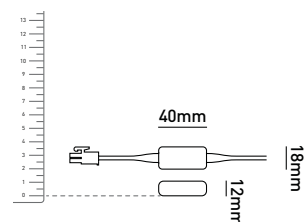
Product code	Description
N/A	There are currently no accessories associated with this product

WARRANTY

1 year

2

Dimensions



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



RGBOX 350 3X1-10

CONSTANT CURRENT COLOUR CHANGE POWER SUPPLY

Features & Benefits

Link together up to 10 units to control
90 3W RGB sets

Sync cable included

Will power up to 9 RGB sets (27 LED in total)

PRODUCT DATA

Product Code	RGBOX 350 3X1-10
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	30W	220-240V AC 0.15A	3x 350mA	48V MAX	0.93

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	70
Control	IR2 & DMXC range
Double insulation	Yes
Efficiency (%)	80
Inrush current	34A 0.45mS
IP rating	40
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	300

WIRING

Connection output	N/A
Input cable (m)	N/A
Output cable (m)	N/A

ACCESSORIES

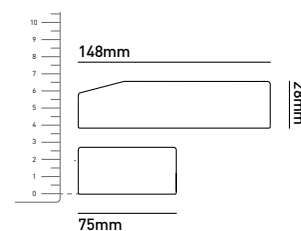
Product code	Description	
RGBOX IR-2 CONTROL	Colour change remote control	232
DMXI	DMXI interface	234
DMXC	Wall mount colour change controller (use with DMXI)	233
DMXC WM 01	Wall mount DMX controller (use with DMXI)	233
DMXT	Wall mount touch sensitive colour change controller (use with DMXI)	233

WARRANTY

1 year

2

Dimensions



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



PLDM/700 3

MAINS DIMMABLE LED DRIVER

Features & Benefits

Constant current LED driver

Dimmable with most leading & trailing edge dimmers

Fixed flying leads

For 3 LED (3x UL010, 1x UL030 & 1x LL090A)

PRODUCT DATA

Product Code	PLDM/700 3
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	TBC	220-240V	700mA	13.5V MAX	0.55

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	70
Control	Mains, leading & trailing edge
Double insulation	Yes
Efficiency (%)	80
Inrush current	15A 0.5mS
IP rating	20
Loop in / Loop out	No
Protection	Mains surge & short circuit
SELV (separated extra low voltage)	Yes
Weight (g)	70

WIRING

Connection output	Flying lead
Input cable (m)	0.3
Output cable (m)	0.3

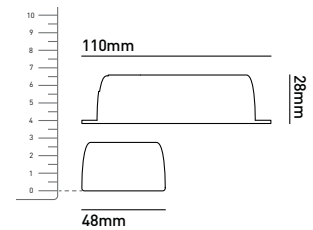
ACCESSORIES

Product code	Description
DM298GRID	Mains grid dimmer

WARRANTY

1 year

Dimensions





PL/IP/700 1-3

WATERPROOF LED DRIVER (SERIES)

Features & Benefits

- Constant current LED driver
- Fixed flying leads
- For 1-3 3W LED (1-3 UL010 & 1 x UL030)
- Suitable for fitting applicable products in Zone 0 applications
- Waterproof for use outdoors

PRODUCT DATA

Product Code	PL/IP/700 1-3
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	60mA	220-240V	700mA	21V MAX	0.85

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	80
Inrush current	12.8A 0.8mS
IP rating	65
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	70

WIRING

Connection output	Flying leads
Input cable (m)	0.2
Output cable (m)	0.2

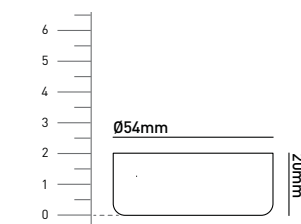
ACCESSORIES

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

WARRANTY

1 year

Dimensions



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



PL/IP/700 3-9

WATERPROOF LED DRIVER (SERIES)

Features & Benefits

Constant current LED driver

Fixed flying leads

For 3-9 3W LED (3-9 UL010 & 1-3 UL030)

Waterproof for use outdoors

PRODUCT DATA

Product Code	PL/IP/700 3-9
--------------	---------------

ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	120mA	220-240V	700mA	36V MAX	0.85

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	70
Control	Non dimming
Double insulation	Yes
Efficiency (%)	80
Inrush current	14.9A 0.6mS
IP rating	65
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	200

WIRING

Connection output	Flying leads
Input cable (m)	0.1
Output cable (m)	0.1

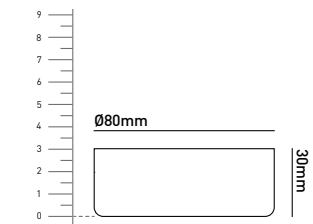
ACCESSORIES

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

WARRANTY

1 year

Dimensions





PLU/700 3-9

LED DRIVER (SERIES)

Features & Benefits

Constant current LED driver

For 3-9 LED (3-9 UL010 & 1-3 UL030 / LL090A)

Suitable for independent mounting

PRODUCT DATA

Product Code	PLU/700 3-9
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
N/A	100mA	220-240V	700mA	0-36V MAX	0.85

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	70
Control	Non dimmable
Double insulation	Yes
Efficiency (%)	80
Inrush current	14.9A 0.6µs
IP rating	40
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable (m)	0.5-1.5mm² MAX
Output cable (m)	0.5-1.5mm² MAX

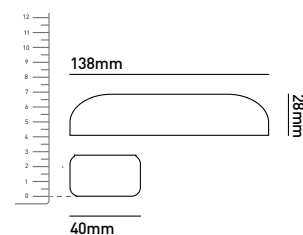
ACCESSORIES

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

WARRANTY

1 year

Dimensions





PLD-UNIDRIVE (700)

1-10V DIMMABLE LED DRIVER

Features & Benefits

- Constant current LED driver
- Dimmable with 'push to make' or 1-10V
- For 1-9 3W LED
- Sync up to 10 units for dimming (sync cable included)

PRODUCT DATA

Product Code	PLD-UNIDRIVE (700)
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
25W	100mA	110-240V	700mA	49V MAX	0.98

GENERAL

Ambient temp (ta = °C)	-25 to +50
Case temp (tc = °C)	75
Control	Dimmable 1-10V. Sync up to 10 units with supplied cable
Double insulation	Yes
Efficiency (%)	~80%
Inrush current	5A 0.05mS
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating (over heating can be reset)
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable	0.5-1.5mm² MAX
Output cable	0.5-1.5mm² MAX

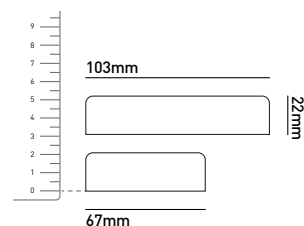
ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

1 year	2
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Dimensions



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



PSDAL700M

DALI DIMMABLE LED DRIVER

Features & Benefits

Constant current LED driver

Dimmable with 'push to make' or 1-10V

Addressable DALI

Min/Max load: 1-18 x 3W LEDs @ 700mA

Sync up to 10 units for dimming
(sync cable included)

PRODUCT DATA

Product Code	PSDAL700M
--------------	-----------

ELECTRICAL CHARACTERISTICS

	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage					
50W	0.25A	110-240V	350mA	70V	>0.95

GENERAL

Ambient temp (ta = °C)	-25 to +50
Case temp (tc = °C)	80
Control	Dimmable 1-10V & DALI. Sync up to 10 units
Double insulation	Yes
Efficiency (%)	90%
Inrush current	20A 400µs
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating (over heating can be reset)
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Terminals
Input cable	0.5-2.5mm² MAX
Output cable	0.5-2.5mm² MAX

ACCESSORIES

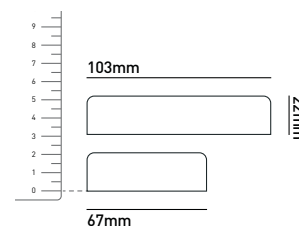
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
SYNC CABLE 4M	4m sync cable	83

WARRANTY

1 year

2

Dimensions





PLDCC/700 12-24
LED DRIVER (SERIES)

- Features & Benefits**
- Constant current LED driver
 - Contains open terminals, must be housed correctly
 - Suitable for use in boats & caravans
 - Power up to 3 x 3W LED with 12V input or up to 6 x 3W LED with 24V input

PRODUCT DATA					
Product Code	PLDCC/700 12-24				

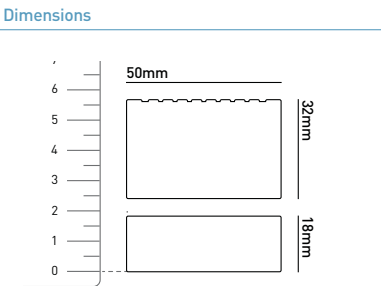
ELECTRICAL CHARACTERISTICS	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage	N/A	10-28V DC	700mA	23.5V MAX	0.85

GENERAL	
Ambient temp (ta = °C)	40
Case temp (tc = °C)	55
Control	Non dimmable
Double insulation	No
Efficiency (%)	70
Inrush current	N/A
IP rating	20
Loop in / Loop out	N/A
Protection	Short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	30

WIRING	
Connection output	Terminals
Input cable (m)	0.5-1.5mm² MAX
Ouput cable (m)	0.5-1.5mm² MAX

ACCESSORIES	
Product code	Description
N/A	There are currently no accessories associated with this product

WARRANTY	
1 year	2





PDC/10/24V

LED DRIVER (PARALLEL)

Features & Benefits

Fixed flying leads

Power: 10W MAX

PRODUCT DATA

Product Code	PDC/10/24V
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
10	N/A	220-240V	N/A	12V/24V	0.6

GENERAL

Ambient temp (ta = °C)	50
Case temp (tc = °C)	70
Control	Dimmable with PDCINT 1-10V
Double insulation	Yes
Efficiency (%)	80
Inrush current	5A 0.12mS
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	50

WIRING

Connection output	Flying leads
Input cable (m)	0.15
Output cable (m)	0.2

ACCESSORIES

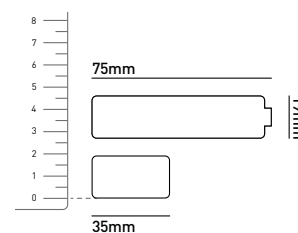
Product code	Description	
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY

1 year

2

Dimensions





PDC/20/24V

1-10V DIMMABLE LED DRIVER

Features & Benefits

Dimmable using 1-10V analog

Link up to 5 to one dimmer

Power: 20W max

PRODUCT DATA

Product Code	PDC/20/24V
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
20W	N/A	220-240V	N/A	24V	0.6

GENERAL

Ambient temp (ta = °C)	50
Case temp (tc = °C)	75
Control	1-10V
Double insulation	Yes
Efficiency (%)	80
Inrush current	27A 0.25mS
IP rating	20
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	100

WIRING

Connection output	Screw terminals
Input cable (m)	1.5mm² MAX
Output cable (m)	1.5mm² MAX

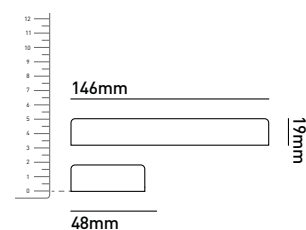
ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

1 year	2
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Dimensions





PDC/30/24V

LED DRIVER (PARALLEL)

Features & Benefits

- 1-10V dimmable when using PDC interface
- Power: 30W MAX

PRODUCT DATA

Product Code	PDC/30/24V
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
30W	TBC	110-240V*	N/A	24V DC 30W MAX	0.8

*24W output when run at 110V

GENERAL

Ambient temp (ta = °C)	50
Case temp (tc = °C)	70
Control	Dimmable with PDCINT 1-10V
Double insulation	Yes
Efficiency (%)	80
Inrush current	8.5A 0.024mS
IP rating	20
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	200

WIRING

Connection output	Screw terminals
Input cable (m)	1.5mm ² MAX
Output cable (m)	1.5mm ² MAX

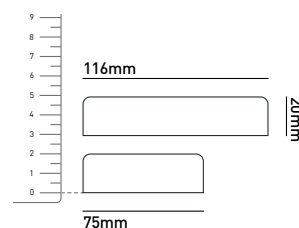
ACCESSORIES

Product code	Description
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers 258

WARRANTY

1 year

Dimensions





PS10024
100W 24V LED DRIVER

Features & Benefits
24V LED driver for use with LEDSTRIP or GL018
IP20 for indoor use
Power: 100W MAX

PRODUCT DATA					
Product Code	PS10024				

ELECTRICAL CHARACTERISTICS	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage					
100W	N/A	220-240V	4A MAX	24V DC 100W MAX	>0.9

GENERAL	
Ambient temp (ta = °C)	-25 +45
Case temp (tc = °C)	80
Control	Dimmable with PDCINT 1-10V
Double insulation	Yes
Efficiency (%)	90%
Inrush current	75A
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	250

WIRING	
Connection output	Terminal
Input cable (m)	0.75mm² MAX
Output cable (m)	0.75mm² MAX

ACCESSORIES		
Product code	Description	
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	258

WARRANTY	
3 years	2

Dimensions





PSDIN10024

100W 24V DIN RAIL LED DRIVER

Features & Benefits

- Compatible with TS 35/7.5 & 35/15
- Cooling by free air convection

PRODUCT DATA

Product Code	PSDIN10024
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
100W	1.6A	110-240V	4.2A MAX	24V	0.98

GENERAL

Ambient temp (ta = °C)	-25 to +50
Case temp (tc = °C)	75
Control	N/A
Double insulation	Yes
Efficiency (%)	80%
Inrush current	45A
IP rating	20
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating (auto reset)
SELV (separated extra low voltage)	Yes
Weight (g)	350

WIRING

Connection output	Terminals
Input cable	0.5-1.5mm² MAX
Output cable	0.5-1.5mm² MAX

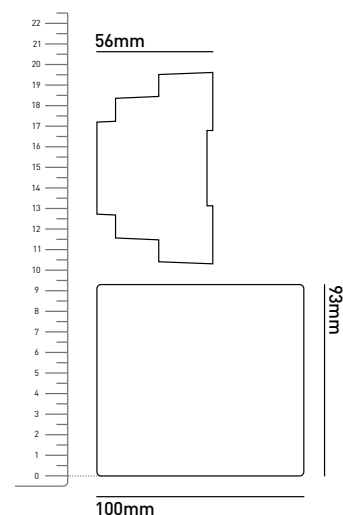
ACCESSORIES

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

WARRANTY

3 years

Dimensions





PDC INT 1-10V
1-10V DIMMABLE INTERFACE FOR 24V DRIVERS

Features & Benefits
Converts 24V LED drivers to 1-10V dimmable

PRODUCT DATA					
Product Code	PDC INT 1-10V				

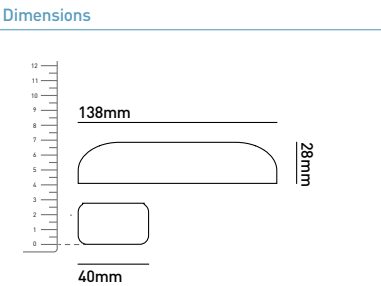
ELECTRICAL CHARACTERISTICS	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
Rated wattage	8.3mA	24V DC	8.3mA	24V DC	N/A

GENERAL	
Ambient temp (ta = °C)	-25 to +40
Case temp (tc = °C)	70
Control	i) 1-10V ii) Push to make switch
Double insulation	N/A
Efficiency (%)	99
Inrush current	N/A
IP rating	20
Loop in / Loop out	No
Protection	N/A
SELV (separated extra low voltage)	N/A
Weight (g)	80

WIRING	
Connection output	Terminals
Input cable	4mm² MAX
Output cable	1.5mm² MAX

ACCESSORIES		
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY	
1 year	2



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



PSDIP10024

IP66 1-10V DIMMABLE LED DRIVER

Features & Benefits

Constant voltage LED driver

Metal case for superior heat dissipation

IP66 rated for indoor & outdoor use

Built in PFC, 0.98 power factor

Power: 100W MAX

PRODUCT DATA

Product Code	PSDIP10024
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ELECTRICAL CHARACTERISTICS

ELECTRONIC CHARACTERISTICS					
	INPUT		OUTPUT		
Rated wattage	Current	Voltage	Current	Voltage	Power factor
100W	0.546A	100-240V	4.15A MAX	24V DC 100W MAX	>0.98

GENERAL

Ambient temp (ta = °C)	-40 to +60
Case temp (tc = °C)	70
Control	1-10V dimmable
Double insulation	No
Efficiency (%)	>80
Inrush current	40A
IP rating	66
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (kg)	1.2

WIRING

Connection output	Flying leads
Input cable	1mm ²
Output cable	1.5mm ²

ACCESSORIES

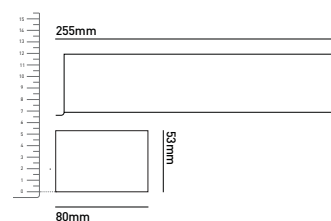
Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264

WARRANTY

3 years

2

Dimensions





PSIP24024
LED DRIVER (PARALLEL)

Features & Benefits

Power: 240W MAX

PRODUCT DATA

Product Code	PSIP24024
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
240W	2A	220-240V	75A 0.57mS	24V DC	>0.95 MAX

GENERAL

Ambient temp (ta = °C)	-40 - +70
Case temp (tc = °C)	50
Control	Dimmable with PDC INT 1-10V
Double insulation	No
Efficiency (%)	93
Inrush current	75A 0.57mS
IP rating	67
Loop in / Loop out	Yes
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (kg)	1.2

WIRING

Connection output	Flying leads
Input cable	1mm ²
Ouput cable	1mm ²

ACCESSORIES

Product code	Description	
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	264
PDC INT 1-10V	1-10V dimmable interface for 24V drivers	258

WARRANTY

3 years	2
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Dimensions





PSDAL20024

200W DALI DIMMABLE 24V LED DRIVER

Features & Benefits

DALI dimmable 24V LED driver

IP66 for indoor & outdoor environments

PRODUCT DATA

Product Code	PSDAL20024
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
200W	1A	220-240V	8.33A MAX	24V	0.98

GENERAL

Ambient temp (ta = °C)	-25 to +60
Case temp (tc = °C)	70
Control	DALI dimmable
Double insulation	Yes
Efficiency (%)	>85
Inrush current	65A
IP rating	66
Loop in / Loop out	No
Protection	Mains surge, short circuit, over-load & over heating (auto recovery)
SELV (separated extra low voltage)	Yes
Weight (Kg)	1.8

WIRING

Connection output	Flying leads
Input cable (m)	1mm ²
Output cable (m)	1.5mm ²

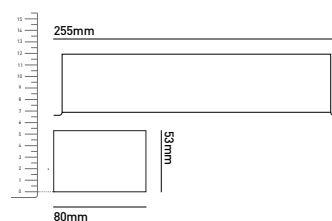
ACCESSORIES

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

WARRANTY

3 years

Dimensions





RGBOX 24V 55W

24V COLOUR CHANGE CONTROLLER

Features & Benefits

- DMX link up to 32 units, sync leads included
- Integrated DMX interface
- IR-4 CONTROL connection included

PRODUCT DATA

Product Code	RGBOX 24V 55W
--------------	---------------

ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
55W	0.15A	220-240V AC	N/A	24V	0.95

GENERAL

Ambient temp (ta = °C)	40
Case temp (tc = °C)	70
Control	IR2-4 & DMXC range
Double insulation	Yes
Efficiency (%)	80%
Inrush current	63.8A 0.002mS
IP rating	40
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	300

WIRING

Connection output	Terminals
Input cable (m)	N/A
Output cable (m)	N/A

ACCESSORIES

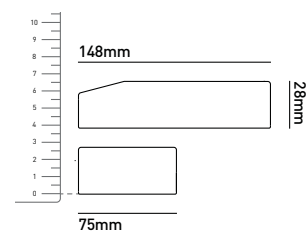
Product code	Description	
LED5050RGB	Colour change self adhesive splash-proof flexible strip	226
STARSTRIP RGB	Fixed waterproof colour change strip	227
RGBOX IR-4 CONTROL	24V colour change remote control	232
DMXC	Wall mount colour change controller	233
DMXC WM 01	Wall mount DMX controller	233
DMXT	Wall mount touch sensitive colour change controller	233

WARRANTY

1 year

2

Dimensions





PS288

1-3 LED 350mA DRIVER

Features & Benefits

EMC Standards: BS EN55015, BS EN61000-3-2,
BS EN61000-3-3 & EN61547
LVD Standards: BS EN61347 & BS EN61347-2-13

PRODUCT DATA

Product Code	PS288
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ELECTRICAL CHARACTERISTICS

Rated wattage	INPUT		OUTPUT		Power factor
	Current	Voltage	Current	Voltage	
3.5W	30mA	220-264V	350mA	12V MAX	0.75

GENERAL

Ambient temp (ta = °C)	-25 +50
Case temp (tc = °C)	70
Control	N/A
Double insulation	Yes
Efficiency (%)	80%
Inrush current	9A, 0.8mS
IP	65
Loop in / Loop out	N/A
Protection	Mains surge, short circuit, over-load & over heating
SELV (separated extra low voltage)	Yes
Weight (g)	60

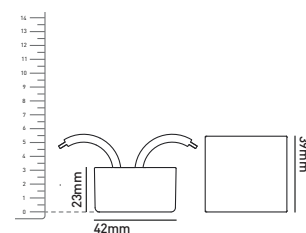
WIRING

Connection output	Flying Lead
Input cable (mm)	0.3
Output cable (mm)	0.3

WARRANTY

1 year

Dimensions



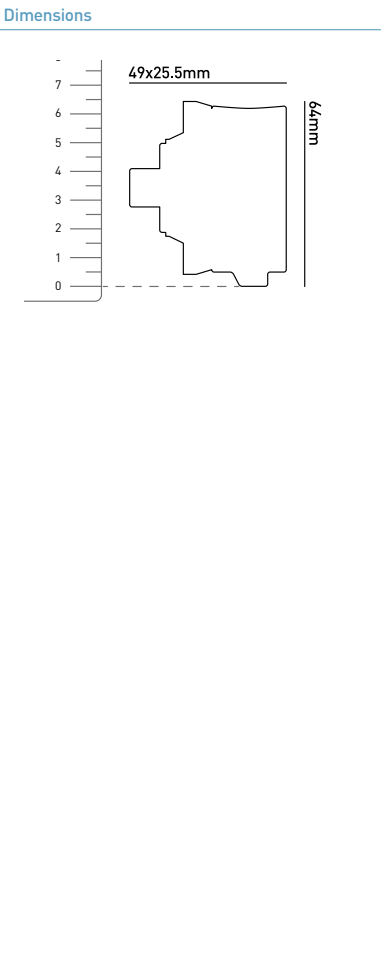


PDC/GRID DIMMER
GRID DIMMER KIT FOR MULTIPLE FITTING TYPES

Features & Benefits

- Can be used in a module or as part of a grid
- Kit contains adapters for:
DETA, GET, BG, WANDSWORTH, MK LOGIC,
HAMILTON, MEM & CRABTREE fascias
- One unit will operate 1-10 LED 1-10V dimmable
drivers
- Minimum brightness can be adjusted

PRODUCT DATA	
Product Code	PDC/GRID DIMMER
GENERAL	
Construction material	Plastic
Dimmer type	1-10V dimmer. Optional integral mains on/off switch.
Grid plate adapters	Deta, GET, BG, Wandsworth, MK Logic, Hamilton, MEM & Crabtree (included)
IP rating	20
Weight (g)	50
ELECTRICAL CHARACTERISTICS	
Mains supply voltage	N/A
Mains supply voltage range	N/A
Mains supply frequency	N/A
Load type	1-10V dimmable LED driver only
Min load capacity	1 driver
Max load capacity	10 drivers
Phase firing	N/A
Ambient temperature (ta = °C)	-25 to +50
Case temp (tc = °C)	50
WIRING	
Connection terminal diameter (mm)	3
Minimum pattress box depth (mm)	35
ACCESSORIES	
Product code	Description
PLD-UNIDRIVE 350	350mA 1-10V dimmable LED driver (series) 242
PLD-UNIDRIVE 700	700mA 1-10V dimmable LED driver (series) 250
PDC/20/24	24V 1-10V dimmable LED driver 254
PDC INT 1-10V	1-10V dimming interface for use with 24V LED drivers 258
WARRANTY	
1 year	



JB1 (PARALLEL)

WATERPROOF JUNCTION BOX



PRODUCT DATA

Product Code	JB1
Bathroom zone	0
Cable	Use with H05RN-F 2 x 0.75mm ² cable
Construction material	Plastic
IP rating	IP68 (submersible to 2m)
Series/Parallel	Parallel
Weight (g)	70
Warranty	1 year

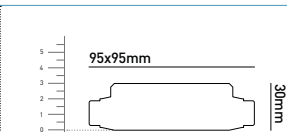
ACCESSORIES

Product code	Description
WCR 275 BLACK	2-Core rubber cable

FEATURES & BENEFITS

1 input, 1-3 outputs
Can be wired to additional JB1 for multiple fittings
30V DC, 150W MAX

DIMENSIONS



JB4 (SERIES)

GEL FILLED WATERPROOF JUNCTION BOX

PRODUCT DATA

Product Code	JB4
Cable	Min 6.5mm, Max 12mm (outside diameter)
Construction material	Plastic
IP rating	68 (submersible to 1.3m)
Series/Parallel	Series
Weight (g)	60
Warranty	1 year

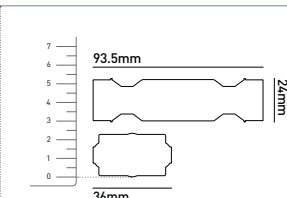
ACCESSORIES

Product code	Description
WCR 275 BLACK	2-Core rubber cable

FEATURES & BENEFITS

Open & close for repeat use
Single terminal block for easy installation
Suitable for 2 core cable
Gel filled

DIMENSIONS



JB2 (SERIES)

WATERPROOF JUNCTION BOX



PRODUCT DATA

Product Code	JB2
Bathroom zone	0
Cable	Use with H05RN-F 2 x 0.75mm ² cable
Construction material	Plastic
IP rating	IP68 (submersible to 2m)
Series/Parallel	Series
Weight (g)	70
Warranty	1 year

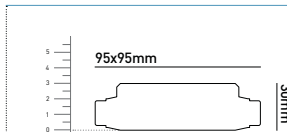
ACCESSORIES

Product code	Description
WCR 275 BLACK	2-Core rubber cable

FEATURES & BENEFITS

1 input, 1-3 outputs
Can be wired to additional JB2 for multiple fittings
30V DC, 150W MAX

DIMENSIONS



JB5 (PARALLEL)

GEL FILLED WATERPROOF JUNCTION BOX

PRODUCT DATA

Product Code	JB5
Cable	0.75mm ² or 1mm ² round cable
Construction material	Plastic
IP rating	68 (submersible to 1.3m)
Series/Parallel	Series
Weight (g)	60
Warranty	1 year

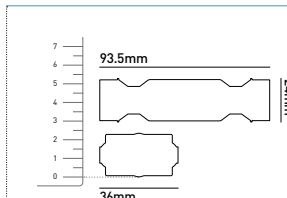
ACCESSORIES

Product code	Description
WCR 275 BLACK	2-Core rubber cable

FEATURES & BENEFITS

Open & close for repeat use
Single terminal block for easy installation
Suitable for 2 core cable
Gel filled

DIMENSIONS



WIRING & DRIVERS

TECHNICAL SPECIFICATION SHEET



COLLINGWOOD
LIGHTING



JB3

WATERPROOF JUNCTION BOX

WC 5-9

QUICK RELEASE WATERPROOF JOINT



PRODUCT DATA

Product Code	JB3
Cable	Use with 4 x 0.75mm ² PVC cable
Construction material	Plastic
IP rating	66
Weight (g)	100
Warranty	1 year 2

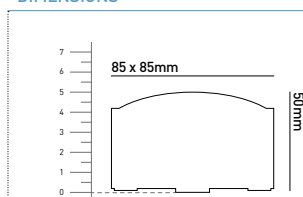
ACCESSORIES

Product code	Description	
LED RGB 0.75 CABLE	4-Core PVC cable	269

FEATURES & BENEFITS

- 1 input, 1-8 outputs
(5 way terminal block inside)
- Can be wired to additional JB3 for multiple fittings
- Ideal for RGB applications

DIMENSIONS



JB6

INLINE IP68 GEL FILLED CABLE CONNECTOR

PRODUCT DATA

Product Code	JB6
Construction material	Plastic (Nylon P66-RV)
IP rating	68 (submersible to 1.3m)
Weight (g)	60
Warranty	1 year 2

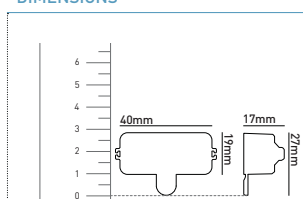
ACCESSORIES

Product code	Description	
WCR 275 BLACK	2-Core rubber cable	268

FEATURES & BENEFITS

- Single screw fastening
- Small size
- Waterproof to IP68
- Single terminal block for easy installation
- Gel filled

DIMENSIONS



PRODUCT DATA

Product Code	WC 5-9
Cable	Use with H05RN-F 2 x 0.75mm ² (2 core) & 3 x 0.75mm ² (3 core) cable 5-9mm outside diameter Up to 1.5mm ² connectors
Construction material	Plastic
IP rating	68 (submersible to 1.3m)
Weight (g)	60
Warranty	1 year 2

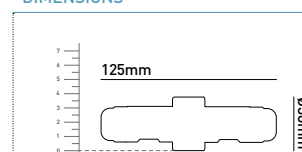
ACCESSORIES

Product code	Description	
WCR 375 BLACK	3-Core rubber cable	268
WCR 275 BLACK	2-Core rubber cable	268

FEATURES & BENEFITS

- 10A, 250V max
- Suitable for mains voltage
- Quick release for easy maintenance of products

DIMENSIONS





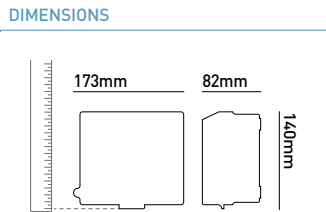
IX 265

PLU WEATHERPROOF HOUSING

PRODUCT DATA	
Product Code	IX265
Construction material	Plastic
IP rating	65
Weight (g)	500
Warranty	1 year 2

ACCESSORIES	
Product code	Description
PLU/350 1-9	LED Driver (Series) 237

FEATURES & BENEFITS
Corrosion resistant
For use with PLU/350 1-9 LED driver
LED Driver not included



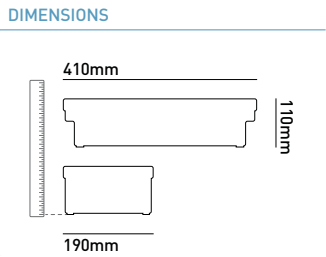
IX 365

PDC WEATHERPROOF HOUSING

PRODUCT DATA	
Product Code	IX365
Construction material	Plastic
IP rating	65
Weight (Kg)	1.3
Warranty	1 year 2

ACCESSORIES	
Product code	Description
PDC/10/24V	24V LED Driver (Parallel) 253
PDC/20/24V	1-10V dimmable LED Driver 254
PDC/30/24V	LED Driver (Parallel) 255

FEATURES & BENEFITS
Corrosion resistant
Suitable for PDC LED drivers and 5 way main voltage extension leads



UY2 CONNECTOR

QUICK WATERPROOF CONNECTOR



CR135

PTFE CABLE



PRODUCT DATA

Product Code	UY2 CONNECTOR
Bathroom zone	1
Cable	Use CR135 0.205mm ² cable
Construction material	Plastic
IP rating	65
Warranty	1 year 2

ACCESSORIES

Product code	Description
CR135	0.205mm ² PTFE cable 268

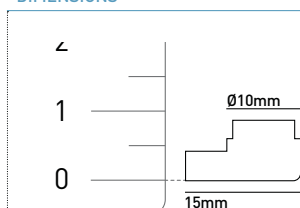
FEATURES & BENEFITS

Insert wires into holes until resistance then push down on button firmly for a quick installation

Supplied by the box

Not suitable for mains voltage

DIMENSIONS



WCR 375 BLACK

3-CORE RUBBER CABLE



PRODUCT DATA

Product Code	WCR 375 BLACK
Cable	H05RN-F 3 x 0.75mm ²
Construction material	Copper cable, rubber outer
Warranty	1 year 2

ACCESSORIES

Product code	Description
JB5	Gell filled junction box (parallel) 265
WC 5-9	Quick release waterproof joint 266

FEATURES & BENEFITS

Supplied on 100m reels

Low voltage use only

Suitable for permanent use outdoors

WCR 275 BLACK

2-CORE RUBBER CABLE



PRODUCT DATA

Product Code	WCR 275 BLACK
Cable	H05RN-F 2 x 0.75mm ²
Construction material	Copper cable, rubber outer
Warranty	1 year 2

ACCESSORIES

Product code	Description
JB1	Waterproof junction box (parallel) 265
JB2	Waterproof junction box (series) 265
JB4	Gell filled junction box (series) 265
JB5	Gell filled junction box (parallel) 265
WC 5-9	Quick release waterproof joint 266
IX 265	PLU weatherproof housing 267
IX 365	PDC weatherproof housing 267

FEATURES & BENEFITS

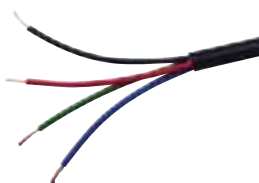
Supplied on 100m reels

Low voltage use only

Suitable for permanent use outdoors

LED RGB 0.75 CABLE

4-CORE PVC CABLE



PRODUCT DATA

Product Code	LED RGB 0.75 CABLE
Cable	PVC 4 x 0.75mm ²
Construction material	Copper cable
Warranty	1 year 2

ACCESSORIES

Product code	Description	
JB3	Waterproof junction box	266

FEATURES & BENEFITS

Suitable for RGB wiring
Can be wired to additional JB3 for multiple fittings
Ideal for RGB applications

DMX RS 485 CABLE

3-CORE SHIELDED CABLE



PRODUCT DATA

Product Code	DMX RS 485 CABLE
Cable	0.15mm ²
Construction material	Copper cable
Warranty	1 year 2

ACCESSORIES

Product code	Description	
DMXC	Wall mount colour change controller	233
DMXI	DMX interface	234
DMXC WM 01	Wall mount DMX controller	233
DMXT	Wall mount touch sensitive colour change controller	233

FEATURES & BENEFITS

Shielded cable
Interference free DMX signals
Supplied on 100m reels (also available by the metre)

EXPLANATION OF TERMS

LIGHTING TERMS

AC (Alternating Current) An electrical current alternating in direction.	Illumination Lighting Describing the installation or retrofit of LED downlights or other lighting specifically to provide functional illumination of an environment.	PIR Passive infrared device, used to activate lighting when a person enters a room or area.
Accent Lighting Aesthetic lighting that provides emphasis, depth and decoration to draw attention to particular objects.	IP rating Index Protection Rating See page 274 for full explanation.	Power Supply / Driver Power source for the LED luminaire.
Ambient Temperature Ambient temperature relates to the average air temperature in the environment surrounding the luminaire.	Kelvin (K) Kelvin is the scientific unit for measuring CCT [Correlated Colour Temperature]. See page 273 for full explanation.	REACH Registration, Evaluation, Authorisation & Restriction of Chemicals, All Collingwood products are REACH compliant.
Bathroom Zone Suitability for a product to be installed near or in water, see page 274 for a more detailed explanation.	L70, B10 Life time indication of LEDs. See page 272 for further explanation.	RGB Stands for RED, GREEN, BLUE. Used to describe colour changing products that can be used to dynamically add colour to any environment.
CCT Correlated Colour Temperature see page 273 for full explanation.	LED (Light Emitting Diode) Emits light through the conversion of electrical energy.	RoHS Restriction of Hazardous Substances, a EU requirement that restricts the use of harmful materials within products. All Collingwood products are RoHS compliant.
Control System Often referred to as PIR, RGB(W), DALI, 1-10V, DSI, DMX, Mains. These systems allow the user to control the amount or colour of light. Large energy savings are possible with the addition of these.	Lumens The quantity of light emitted from a light source that is visible. The higher the lumens, the brighter the light.	SELV Separated Extra Low Voltage. A low voltage power supply that will not exceed 50V AC or 120V DC.
CRI Colour Rendering Index. See page 272 for full explanation.	Luminaire Is a light fitting that contains a light source, mechanical fixings and a power supply.	Spotlight A light source featuring a narrow beam angle, designed to allow highlighting or illumination of specific features in an area.
DALI Digital Addressable Lighting Interface, a method of digital dimming, allowing precise control of individual light fittings by an external control system.	Luminous Efficacy Is a measure of energy efficiency and is calculated by dividing the lumens by the Wattage (lm/W).	Thermal Management LEDs are susceptible to heat. Thermal management refers to components that are designed to remove heat efficiently to ensure high light output and long lifetime from the LEDs. See page 272 for full explanation.
DC (Direct Current) An electrical current flowing in one direction only. All Collingwood products use DC output from driver to operate the LEDs.	Luminous Flux Total number of 'lumens' emitted from a light source.	Warm White (WW) Light with a CCT Kelvin temperature of 3000K. See page 273 for full explanation.
Downlight A light source designed to be installed in a ceiling, with the light source pointed vertically downwards.	Lux Quantity of light that illuminates a surface, i.e. in a corridor 100 lux are required on the floor.	Watt The unit of electrical power stating the amount of electricity consumed by the product.
Flood light A light source featuring a wide beam angle, designed to provide illumination over a wide area.	mA A milliamp is one thousandth of an amp (0.001A). Collingwood products are typically designed to take 350 or 700mA.	WEEE Waste Electrical and Electronic Equipment, Collingwood is part of a WEEE scheme. Our WEEE Registration: WEE/JC3973RV

WIRING/ELECTRICAL TERMS

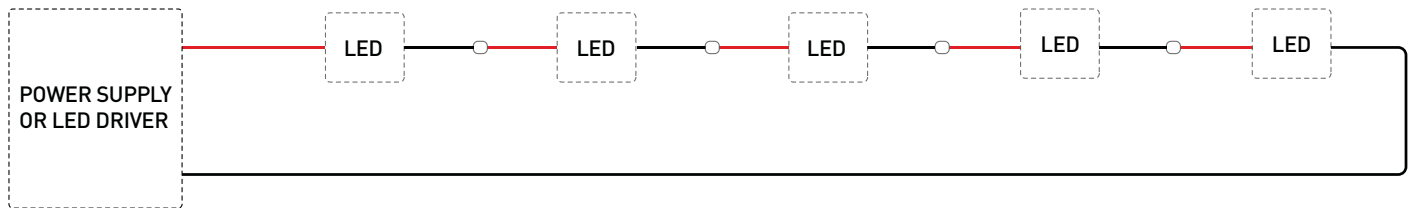
Extension Leads Ready made leads for easy extension of cables, usually with male/female plugs for Plug 'n' Play extensions.	Pattress Box Back box for electrical front plates.	Shielded Cable Inner wires are wrapped in a shielding material to protect from electrical interference.
Flying Leads Electrical leads already attached to the product.	Plug 'n' Play Cables on product have 1x male and 1x female plugs attached for quick connection together.	Straight to mains Product for which no other wiring is required other than connection to mains supply.
H05RN-F Electrical cable suitable for outdoor use.	PTFE A non-stick chemically resistant insulating material.	

SERIES OR PARALLEL WIRING?

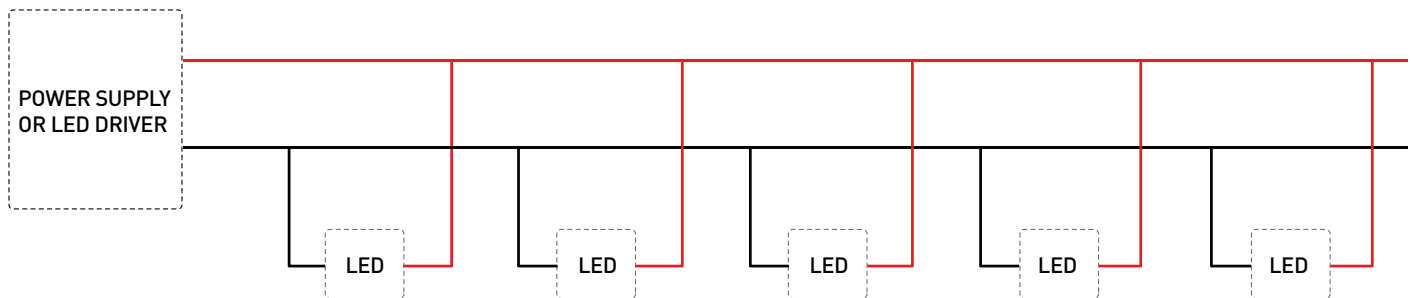
LED lighting products can be wired in either Series or Parallel and both have their advantages.

There are two types of products within our range:

1. Series wired products that require a separate constant current power supply.



2. Parallel wired products that require a separate constant voltage power supply.



Collingwood 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 safety: When a hole is cut into a fire barrier (e.g. a fire rated ceiling), an appropriately fire resistant luminaire should 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 are designed around a patented Collingwood fire resistant technology.

Part C – Heat Loss: When a hole is cut in an insulation barrier (e.g. a ceiling tile or plaster ceiling), air and moisture can travel into the ceiling void. Part C rated downlights can assist in energy saving, by preventing heat loss from a room. The H4 FF is one of the only Part C rated adjustable downlighters available the market.

Part E – Sound Proofing: In multi floor buildings, such as hotels or apartment blocks, sound can permeate throughout the building causing annoyance to neighbours and colleagues. With a Part E rated downlight, it is tested to ensure it is resistant to sound being transferred through partitions.

Part L – Energy Efficiency: LEDs are an energy efficient technology, however not all LED products are created equal. Part L ensures that only the most efficient products should be installed, so that as little energy as possible is used, and therefore energy bills are lowered.

Since early 2014, 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's not needed.

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 competent person.

INFORMATION

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 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 CRI, which is suitable for many installations, with +80Ra being very good, and more useful for indoor general lighting.



LOW CRI



HIGH CRI

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 LEDs do have an operating temperature within its structure. This heat, if not removed will reduce the light output and its 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, you can view a video on the Collingwood website that demonstrates this.

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 publishes the expected lifetime of our products within the catalogue. This helps customers to easily determine how long the product will last, and to be able to calculate how much energy will be saved compared to conventional incandescent lamps over the life of the product.

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 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 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.

CCT

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 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 5000K for Cool White, 4000K for Neutral White, and 3000K for Warm White lighting.

It can be a tricky decision to know what is best for your installation, but our skilled technical sales team are on hand to guide you through choosing the perfect white tone for your room.



WARM WHITE (WW)



NEUTRAL WHITE (NW)



BEAM ANGLES

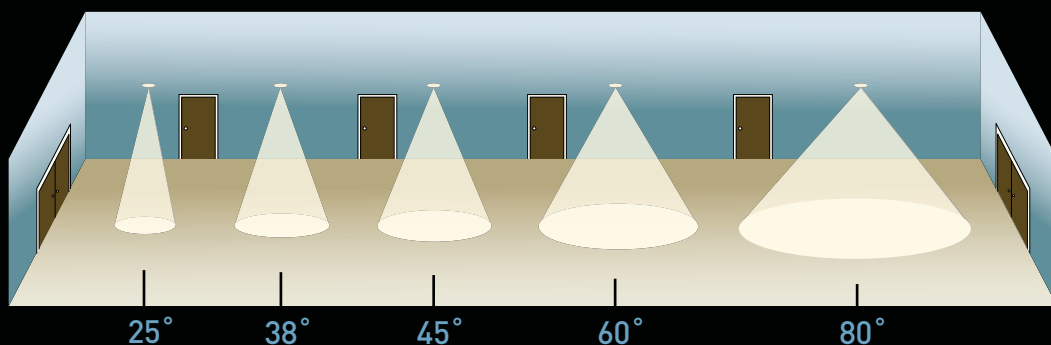
25° A narrow beam angle ideal for illuminating specific areas of interest with pin points of light.

38° The most commonly used beam angle since the introduction of the halogen lamp in the 70's. 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 1.6m apart, meaning you require fewer luminaires. 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.



IP RATING

The IP rating normally has two numbers:

- 1. Level of protection from solid objects or materials
- 2. Level of protection from liquids (water)

e.g: With the IP rating IP 68, 6 describes the level of protection from solid objects and 8 describes the level of protection from liquids.

1 st No.	Protection
0	No special protection
1	Protection from a large part of the body such as a hand (but no protection from deliberate access); from solid objects greater than 50mm in diameter.
2	Protection against fingers or other object not greater than 80mm in length and 12mm in diameter.
3	Protection from entry by tools, wires, etc., with a diameter greater than 2.5mm
4	Protection from entry by solid objects with a diameter or thickness greater than 1.0mm
5	Protection from the amount of dust that would interfere with the operation of the equipment.
6	Dust tight.

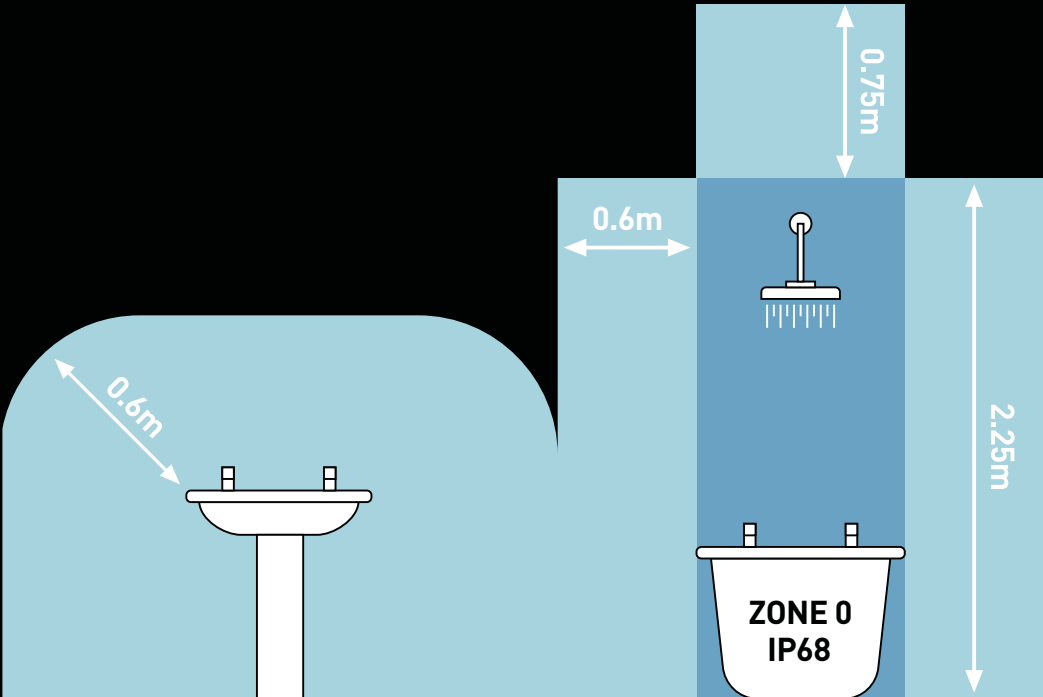
2 nd No.	Protection
0	No special protection
1	Protection against condensation
2	Protection from vertically dripping water.
3	Protection from sprayed water.
4	Protection from splashed water.
5	Protection from water projected from a nozzle
6	Protection against heavy seas, or powerful jets of water.
7	Protection against temporary immersion
8	Protection against complete, continuous submersion in water.

BATHROOM ZONES

Products are manufactured and tested, to determine their specific IP rating. These IP ratings can then be used as a guide when installing products in a bathroom environment.

SAFETY GUIDE

- ZONE 1
IP65
- ZONE 2
IP44






DOWNLIGHTS (HALERS RANGE)

H2 LITE

	DL280BSNW DL280BSWW	68		BEZELSQCR	70
	DL280CRNW DL280CRWW	68		BEZELSQPG	70
	DL280WHNW DL280WHWW	68		BEZELSQSIL	70
				BEZELSQWH	70

H2 PRO

	DLP38NWDIM DLP38WWDIM (bezels available separately)	69		BEZELWH	70
	DLP60NWDIM DLP60WWDIM (bezels available separately)	69			

H2 PRO BEZELS

	BEZELBLK	70		H4FF38BSNWDIM H4FF38BSWWDIM	71
	BEZELBS	70		H4FF38CRNWDIM H4FF38CRWWDIM	71
	BEZELCR	70		H4FF38WHNWDIM H4FF38WHWWDIM	71
	BEZELPG	70		H4FF60BSNWDIM H4FF60BSWWDIM	72
	BEZELSIL	70		H4FF60CRNWDIM H4FF60CRWWDIM	72
	BEZELSQBLK	70		H4FF60WHNWDIM H4FF60WHWWDIM	72

DOWNLIGHTS (HALERS RANGE)

H4



DL/01/BLK/NW/DIM

73



DL/01/CR/NW/DIM

73



DL/01/PG/NW/DIM

73



DL/01/SIL/NW/DIM

73



DL284WHNWDIM
DL284WHWWDIM

76

H5 500 ASYMMETRIC



DL283BSNWDIM
DL283BSWWDIM

77



DL283CRNWDIM
DL283CRWWDIM

77



DL283WHNWDIM
DL283WHWWDIM

77

H4 EYEBALL



DL185BSNWDIM
DL185BSWWDIM

74



DL185CRNWDIM
DL185CRWWDIM

74



DL185WHNWDIM
DL185WHWWDIM

74

H6



H6NDNW
H6NDWW

79



H6DIMNW
H6DIMWW

80

H5 TRIMLESS



DL282WHNWDIM
DL282WHWWDIM

75

ACCESSORIES



DLCONVERT160WH

82



DLCONVERT63BS

78



DLCONVERT63CR

78



DLCONVERT63WH

78

H5 500 SYMMETRIC



DL284BSNWDIM
DL284BSWWDIM

76



DL284CRNWDIM
DL284CRWWDIM

76

DOWNLIGHTS (HALERS RANGE)

	DLCONVERT70BS	78		SYNC CABLE 4M	81
	DLCONVERT70CR	78			
	DLCONVERT70WH	78			
	DLCONVERT98BS	78			
	DLCONVERT98CR	78			
	DLCONVERT98WH	78			
	DL/CONVERTBLK	78			
	DL/CONVERTCR	78			
	DL/CONVERTPG	78			
	DL/CONVERTSIL	78			
	DM298GRID	83			
	LEDEM01	85			
	LEDEP05 LEDEP05BAT	84			
			DOWNLIGHTS (COLLINGWOOD RANGE)		
	DL120 NW DL120 WW	90			
	DL130 NW DL130 WARM WHITE	90			
	DL201FNW DL201FWW	86			
	DL201SNW DL201SWW	86			
	DL DROP ROD	89			
	DL PENDANT F NW DL PENDANT F WW	88			
	DL SURFACE F NW DL SURFACE F WW	87			
	FIBRE LED LIGHT NW	91			
	FIBRE LED 1/30 FIBRE LED 2/30	92			























LED REPLACEMENT UNITS

	AR119SIL	97
	AR120SIL	97
	AR220SIL	97
	DL111NW25 DL111WW25	96
	DL111NW45 DL111WW45	96
	LL030A F BL LL030A F NW LL030A F WW	99
	LL030A S NW LL030A S WW	99
	LL090A F BL LL090A F NW LL090A F WW	98
	LL090A S NW LL090A S WW	98

GROUND LIGHTS

	GL007 FROSTED NW GL007 FROSTED WW	105
	GL007A F NW GL007A F WW	104
	GL007A S NW GL007A S WW	104
	GL008A F NW GL008A F WW	103
	GL008A S NW GL008A S WW	103
	GL009A F NW GL009A F WW	102
	GL009A S NW GL009A S WW	102
	GL016 F AB AMBER GL016 F AB BLUE GL016 F AB GREEN GL016 F AB RED GL016 F AB NW GL016 F AB WARM WHITE	112
	GL016 F AMBER GL016 F BLUE GL016 F GREEN GL016 F RED GL016 F NW GL016 F WARM WHITE	111
	GL016 SQ BLUE GL016 SQ NW GL016 SQ WARM WHITE	111
	GL018 C AB AMBER GL018 C AB BLUE GL018 C AB GREEN GL018 C AB NW GL018 C AB RED GL018 C AB WHITE	120
	GL018 C AMBER GL018 C BLUE GL018 C GREEN GL018 C RED GL018 C WARM WHITE GL018 C NW	119
	GL018 SQ BLUE GL018 SQ NW GL018 SQ WARM WHITE	121

GROUND LIGHTS

	GL018T BL GL018T NW	122		GL041 S NW GL041 S WARM WHITE	109
	GL019 F AMBER GL019 F BLUE GL019 F GREEN GL019 F NW GL019 F RED GL019 F WARM WHITE	114		GL050 BLUE GL050 NW GL050 WARM WHITE	110
	GL019 S AMBER GL019 S BLUE GL019 S GREEN GL019 S NW GL019 S RED GL019 S WARM WHITE	115		GL051 BLUE GL051 NW GL051 WARM WHITE	110
	GL019 S T BLUE GL019 S T NW GL019 S T WW	117		GL063	106
	GL019 S TK BLUE GL019 S TK NW	118		GL064	106
	GL019 SQ F BLUE GL019 SQ F NW GL019 SQ F WARM WHITE	116		GL090 F BL GL090 F NW GL090 F WW	108
	GL019 SQ S BLUE GL019 SQ S NW	116		GL090 S BL GL090 S NW GL090 S WW	108
	GL021 BLUE GL021 NW GL021 WARM WHITE	113		ML01 AMBER ML01 BLUE ML01 GREEN ML01 NW ML01 RED	123
	GL022 BLUE GL022 NW GL022 WARM WHITE	113		TUBE/33 TUBE/50 TUBE/68	124
	GL038A F BL GL038A F NW GL038A F WW	107			
	GL040 F BLUE GL040 F NW GL040 F WARM WHITE	109			
	GL040 S BLUE GL040 S NW GL040 S WARM WHITE	109			
	GL041 F NW GL041 F WARM WHITE	109			

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WALL LIGHTS






















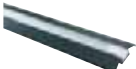




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BEZELPG	70	DL280BSWW	68	GL016 F AB WARM WHITE	112	GL040 S WARM WHITE	109
BEZELSIL	70	DL280CRNW	68	GL016 F AMBER	111	GL041 F NW	109
BEZELSQBLK	70	DL280CRWW	68	GL016 F BLUE	111	GL041 F WARM WHITE	109
BEZELSQCR	70	DL280WHNW	68	GL016 F GREEN	111	GL041 S NW	109
BEZELSQPG	70	DL280WHWW	68	GL016 F NW	111	GL041 S WARM WHITE	109
BEZELSQSIL	70	DL282WHNWDIM	75	GL016 F RED	111	GL050 BLUE	110
BEZELSQWH	70	DL282WHWWDIM	75	GL016 F RGB	213	GL050 NW	110
BEZELWH	70	DL283BSNWDIM	77	GL016 F WARM WHITE	111	GL050 RGB	212
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BOL LED 030 24V WW	203	DL283CRNWDIM	77	GL016 SQ NW	111	GL051 BLUE	110
BOL LED 030 MAINS NW	202	DL283CRWWDIM	77	GL016 SQ WARM WHITE	111	GL051 NW	110
BOL LED 030 MAINS WW	202	DL283WHNWDIM	77	GL018 C AB AMBER	120	GL051 WARM WHITE	110
BOL LED 1 NW	204	DL283WHWWDIM	77	GL018 C AB BLUE	120	GL063	106
BOL LED 1 WARM WHITE	204	DL284BSNWDIM	76	GL018 C AB GREEN	120	GL064	106
BOL LED BRACKET	205	DL284BSWWDIM	76	GL018 C AB NW	120	GL090 F BL	108
CO7	171	DL284CRNWDIM	76	GL018 C AB RED	120	GL090 F NW	108
CO7ECA	175	DL284CRWWDIM	76	GL018 C AMBER	119	GL090 F RGB	210
CO7ECB	175	DL284WHNWDIM	76	GL018 C BLUE	119	GL090 F WW	108
CO7MB	175	DL284WHWWDIM	76	GL018 C GREEN	119	GL090 S BL	108
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CONNECTOR 6X12 5M	155	DLCONVERT70BS	78	GL018 SQ NW	121	H4FF38CRNWDIM	71
CONNECTOR L 6X12	155	DLCONVERT70CR	78	GL018 SQ WARM WHITE	121	H4FF38CRWWDIM	71
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CXECA	174	DLP38WWDIM	69	GL019 F NW	114	H4FF60CRWWDIM	72
CXECB	174	DLP60NWDIM	69	GL019 F RED	114	H4FF60WHNWDIM	72
CXECC	174	DLP60WWDIM	69	GL019 F WARM WHITE	114	H4FF60WHWWDIM	72
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DL/CONVERT CR	78	FL200FWW	180	GL019 SQ F BLUE	116	JB6	266
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DL/CONVERT SIL	78	GL007 FROSTED WW	105	GL019 SQ F WARM WHITE	116	LED COVE CLIP	177
DL111NW25	96	GL007 RGB	209	GL019 SQ S BLUE	116	LED COVE PACK 1M	177
DL111NW45	96	GL007A F NW	104	GL019 SQ S NW	116	LED LYTE 1M EXT	190
DL111WW25	96	GL007A F WW	104	GL021 BLUE	113	LED LYTE 6 WAY EXT	190
DL111WW45	96	GL007A S NW	104	GL021 NW	113	LED LYTE AMBER	189
DL120 NW	90	GL007A S WW	104	GL021 WARM WHITE	113	LED LYTE BLUE	189
DL120 WW	90	GL008 RGB	208	GL022 BL	113	LED LYTE IP AMB	187
DL130 NW	90	GL008A F NW	103	GL022 NW	113	LED LYTE IP BL	187
DL130 WARM WHITE	90	GL008A F WW	103	GL022 WW	113	LED LYTE IP GR	187
DL185BSNWDIM	74	GL008A S NW	103	GL034A NW	129	LED LYTE IP NW	187
DL185BSWWDIM	74	GL008A S WW	103	GL034A WW	129	LED LYTE IP RED	187
DL185CRNWDIM	74	GL009A F NW	102	GL038A F BL	107	LED LYTE IP T BL	188

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LED LYTE RED	189	MF02 IP AMBER	144	RP28	173	UL030 RGB	217
LED LYTE SURFACE NW	186	MF02 IP BLUE	144	RP28ECA	176	UL030 WW	184
LED LYTE SURFACE WW	186	MF02 IP GREEN	144	RP7	170	UY2 CONNECTOR	268
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LEDEP05	84	ML01 BLUE	123	SL020A BLK RGB	219	WC 5-9	266
LEDEP05BAT	84	ML01 GREEN	123	SL020A BLK S NW	196	WCR 275 BLACK	268
LEDLINE 400 NW 110	181	ML01 NW	123	SL020A BLK S WW	196	WCR 375 BLACK	268
LEDLINE 400 NW 25X6	183	ML01 RED	123	SL030 F AMBER	198	WL020A BLK F NW	137
LEDLINE 400 NW 45	182	ML02 AMBER	148	SL030 F BLUE	198	WL020A BLK F WW	137
LEDLINE 400 RGB 110	223	ML02 BLUE	148	SL030 F GREEN	198	WL020A BLK RGB	216
LEDLINE 400 RGB 25X6	225	ML02 GREEN	148	SL030 F NW	198	WL020A BLK S NW	137
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LEDLINE 400 WW 110	181	ML02 RED	148	SL030 F WARM WHITE	198	WL041 IP BLUE	138
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LEDSTRIP IP BL	154	ML03 GREEN	149	SL220A F NW	194	WL050 WALL BOX	140
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LEDSTRIP IP RED	154	ML03 RED	149	SL220A MAINS F NW	195	WL060 NW	133
LEDSTRIP IP WW	154	ML03 WARM WHITE	149	SL220A MAINS F WW	195	WL060 WW	133
LINE PROF END CAP	158	MS02 IP AMBER	145	SL220A MAINS S NW	195	WL070 RGB	214
LINE PROF FIX CLIP	158	MS02 IP BLUE	145	SL220A MAINS S WW	195	WL070A NW	130
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LL030A F BL	99	MS02 IP NW	145	SL220A S NW	196	WL075 RGB	215
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LL030A F WW	99	MS02 IP WARM WHITE	145	SL320A F NW	197	WL075A WW	131
LL030A RGB	222	OCTOLEDNW	134	SL320A F WW	197	WL140A F NW	135
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LSIP5NWX	165	PLDCC/700/12-24	252	STARSTRIP/122 NW	152	WL220A S NW	137
LSIP5WXX	165	PLDM/700 3	246	STARSTRIP/122 RGB	227	WL220A S WW	137
MC010 S AMBER	143	PLR/350 1-5	236	STARSTRIP/122 WW	152	WL240A F NW	135
MC010 S BLUE	143	PLS/350 1	235	STARSTRIP/32 NW	152	WL240A F WW	135
MC010 S GREEN	143	PLU/350 1-9	237	STARSTRIP/32 RGB	227	WL261FNW	128
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MC010 S RED	143	PLU/PP/350 1-9	238	STARSTRIP/62 NW	152	WL262FNW	128
MC010 S WARM WHITE	143	PLU/PP6/350 1-9	239	STARSTRIP/62 RGB	227	WL262FWW	128
MC015 S BL	141	PROFILE 6X12 BLK 1M	159	STARSTRIP/62 WW	152	WL320A F NW	137
MC015 S NW	141	PROFILE 6X12 SIL 1M	159	STARSTRIP/92 NW	152	WL320A F WW	137
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MC020 S AMBER	142	PS288	263	STARSTRIP/92 WW	152	WL370A WW	130
MC020 S BLUE	142	PSDAL20024	261	SYNC CABLE 4M	81		
MC020 S GREEN	142	PSDAL350M	243	TUBE/33	124		
MC020 S NW	142	PSDAL700M	251	TUBE/50	124		
MC020 S RED	142	PSDIN10024	257	TUBE/68	124		
MC020 S WARM WHITE	142	PSDIP10024	259	U PROFILE 6X12 1M	156		
MC025 S BL	141	PSIP24024	260	UL010 BL	185		
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COLLINGWOOD LIGHTING

MASTERING LIGHT TOGETHER



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