



# illumina reference & symbols

## CREATING PRODUCT CODES

For creating product codes, refer to the Product Code Builder on the individual product pages.








## PAINTED FINISHES

■ <b>WH</b>	— White	RAL 9016
■ <b>BL</b>	— Black	RAL 9005
■ <b>SG</b>	— Silver Grey	RAL 9022
■ <b>AG</b>	— Anthracite Grey	
■ <b>GY</b>	— Middle Grey	

## PLATED OR NATURAL FINISHES

■ <b>AB</b>	— Brushed Aluminium
■ <b>BN</b>	— Brushed Nickel
■ <b>AL</b>	— Anodised Aluminium
■ <b>SS</b>	— Stainless Steel
■ <b>CH</b>	— Chrome

## SYMBOL GUIDE

	Emergency available
	Complies with Class 1: Earthed electrical requirements (i.e. have functional insulation in all parts, plus an earth termination)
	Complies with Class 2: Double insulation requirements of BS EN 60598
	Complies with Class 3: Safety extra low voltage (SELV) requirements of BS EN 60598
	IP44 Protected against solid bodies larger than 1mm and against splashing water from all directions
	IP65 Completely protected against dust, and jets of water from all directions
	IP67 Protected against temporary immersion, water-tight to 1m. Not suitable for permanent immersion

## COLOUR RENDERING

The colour rendering of a light source is an indicator of its ability to realistically reproduce the colour of an object.

The effect of a light source on the perceived colour appearance to the human eye is expressed in the colour rendering index. Commonly known as CRI, it is based on a scale of 0-100 with the top value of 100 based on illumination by a 100W incandescent light bulb. The first digit in Illumina's colour temperature references, indicates the CRI, with the last two digits representing colour temperature eg: /830 would have a CRI of 80+ with a colour temperature of 3000K.

## COLOUR TEMPERATURES

The colour temperature corresponds to the light colour of a light source and is measured in Kelvin (K). The higher the colour temperature, the cooler and bluer a white light source will look, the lower it is, the warmer it will appear.

**2700K - Extra Warm White:** Similar feel to a traditional incandescent lamp. This colour is ideally suited to applications such as living rooms, bedrooms and restaurants.

**3000K - Warm White:** Ideal for living areas, great for a cosy lighting atmosphere, giving a pleasant warm effect. This softer colour can be used in home lighting, galleries, retail stores, libraries and office areas.

**4000K - Neutral White:** Great for general lighting, creating a down to earth lighting effect. This cleaner, clinical, whiter light is often used in showrooms, bookstores and office areas.

**6000K - Pure White:** Daylight white has blue tones and helps convey a sunny daylight type light that can be associated with pleasing outside conditions.

**Crisp White:** Crisp White LEDs offer a unique solution of unparalleled colour rendering of white and colours within one light source. It's the first retail LED lighting solution to make whites appear pure and bright while at the same time making other colours appear warm, saturated and intense. Offering two colour temperatures within a single lamp, 4000K for whites and 3000K for colours, this represents a totally new colour experience to shoppers, displaying store merchandise in the best possible light. Illumina denotes all Crisp Whites as /930C.



## UK Manufacturer

An established UK Manufacturer with its core operational facility in Castle Donington, Derbyshire, UK.

## Customer Service

Support from the very first enquiry, through to project completion & beyond.

## Value Proposition

An extensive product portfolio combining technical & aesthetic performance, which represents outstanding value for money.

## Next Day Delivery

Next day delivery available on a wide range of standard products.

## Five Year Guarantee

All products are supported by Illuma's renowned five year guarantee.

At Illumina, our philosophy is simple. With over 35 years of lighting experience, we understand that design, quality and service must underpin all that we do. This philosophy ensures that we lead the way in lighting solutions.



UK Manufacturer

Proud UK manufacturer with over 35 years experience in the lighting industry.



Next Day Delivery

Illumina regularly achieve OTIF (On time in full) levels of 99%. Next day delivery available on a wide range of standard products.



Five Year Guarantee

A renowned five year guarantee on all products.



Customer Service

Industry leading levels of customer service with strong product, technical and after sales support.



Award Winning Lighting Designers

Illumina's award winning lighting designers are trained to LIF standards.



Product Innovation and Design

Key industry knowledge and experience drives continued product innovation.



Competitive Advantage

We watch the market closely to sustain a competitive advantage and identify trends.



International Presence

Illumina have a strong international presence supported by distributors worldwide.



Through a dual lighting strategy Illumina delivers outstanding lighting solutions. Firstly innovative product design ensures optimum quality, performance and aesthetic; secondly, intelligent lighting schemes maximize the impact and efficiency of these products.

Lighting is the most exciting mechanism to transform an environment. Love light.

Daniel Hamburger (Managing Director)



Ever changing environments ensure we work hard to constantly develop products to suit the fast pace of life and we appreciate that effective lighting is about great design. By combining our award-winning product designs with the latest technologies we are constantly moving forward.


Our attention to detail is unparalleled throughout everything we do.

Eric Riley (Sales & Marketing Director)




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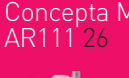
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illumaspotlights

A contemporary range of highly innovative spotlights, ideal for applications that require a flexible solution.

 Rotaspot LED	 Wing LED	 Wing MH	 Torp LED	 Torp MH	 Gridspot LED
 Concepta LED	 Concepta MH & AR111	 Robospot LED	 Linia Blade LED	 Floodline LED	 Floodline H0
 Electrostar	 Lumapar	 Rocket	 Topspot	 Marktrack Spots	 O'Driscoll

**illumina** spotlights

Accent lighting adds texture, focus and shape to general lighting, by creating shadows and highlights for dramatic effects.





## illuma spotlight mounting options

### Adaptor Colours:

All chrome spotlights are supplied with a black adaptor/surface plate / pendant.



**/S or /SDL**

1-Circuit Switched Track Adaptor

**For use with Illuma 1-Circuit Mains Track.**

Spotlights with a 1-Circuit Switched Track Adaptor have **/S** in the part number, excluding the Gridspot LED & Concepta LED which have **/SDL** in the part number.

e.g: TM3410-WH/**S**  
e.g: T321220-WH/**SDL**  
(Gridspot LED & Concepta LED only)



**/G1 or /G1DL**

1-Circuit Multi (Global Base) Track Adaptor

**Suitable for use with current Concord, Lytespan & Thorn 1-Circuit Tracks.**

Not compatible with Illuma 1-Circuit Track.

Spotlights with a 1-Circuit Multi Track Adaptor have **/G1** in the part number, excluding the Gridspot LED & Concepta LED which have **/G1DL** in the part number.

e.g: TM3410-WH/**G1**  
e.g: T321220-WH/**G1DL**  
(Gridspot LED & Concepta LED only)



**/G3 or /GDL**

3-Circuit Switched (Global Pro) Track Adaptor

**For use with Illuma 3-Circuit Mains Track & 3-Circuit Control Track.**

Suitable for use with current Illuma 3-Circuit & many other leading European Brands.

Spotlights with a 3-Circuit Mains Track Adaptor have **/G3** in the part number, excluding the Gridspot LED & Concepta LED which have **/GDL** in the part number.

e.g: TM3410-WH/**G3**  
e.g: T321220-WH/**GDL**  
(Gridspot LED & Concepta LED only)



**/GDD**

3-Circuit Control Track (Global Trac Pulse) DALI Adaptor

**For use with Illuma 3-Circuit Control Track, providing a DALI Dimmable control option.**

Suitable for use with current Illuma 3-Circuit & many other leading European Brands. (Can only be dimmed when on 3-Circuit Control Track)

Spotlights with a 3-Circuit Control Track DALI Adaptor have **/GDD** in the part number.

e.g: TLEDU32024-WH/**GDD**  
(Rotaspot LED, Wing LED & Torp LED only)



**/GDA**

3-Circuit Control Track (Global Trac Pulse) 1-10VDC Adaptor

**For use with Illuma 3-Circuit Control Track, providing a 1-10VDC Analogue Dimmable control option.**

Suitable for use with current Illuma 3-Circuit & many other leading European Brands. (Can only be dimmed when on 3-Circuit Control Track)

Spotlights with a 3-Circuit Control Track 1-10VDC Adaptor have **/GDA** in the part number.

e.g: TLEDU32024-WH/**GDA**  
(Rotaspot LED, Wing LED & Torp LED only)



**4**

Surface Mounting Plate

**For Surface Mounting on a 80mm diameter base plate & 50mm fixing centres (depth of plate: 23mm)**

Spotlights with a Surface Plate require removing the first **3** in the part number and replacing it with **4**. No other mounting option code is required in the part number.

e.g: TM**3**410-WH becomes TM**4**410-WH



**P**

Pendant Stem

**For applying a Pendant Stem, available in 300mm, 500mm or 1000mm lengths.**

Spotlights with a Pendant Stem require **P** in the part number and specifying the required length in brackets.

e.g: TM3410-WH becomes TMP3410-WH(**500**)

Rotaspot LED: A contemporary spotlight offering versatility and flexibility, an ideal solution for retail, leisure and commercial environments.

- Rotation both horizontally and vertically
- High output of up to 4,500 lumens
- Excellent colour rendering ≥ 85 CRI
- Lower energy costs and reduced maintenance
- Long life of up to 50,000 hours
- Available in 3000k, Crisp White ≥ 90 CRI



Description	Rotaspot LED	Rotaspot LED	Rotaspot LED	Rotaspot LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	2000lm	2000lm	3000lm	3000lm
Wattage	22W (Warm White) 20W (Neutral White)	22W (Warm White) 20W (Neutral White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols				
Weight (kg)	1.70	1.70	1.70	1.70
Part Code <sup>[1]</sup>	<b>TLEDU32024</b> (Track) <b>TLEDU42024</b> (Surface Plate)	<b>TLEDU32040</b> (Track) <b>TLEDU42040</b> (Surface Plate)	<b>TLEDU33024</b> (Track) <b>TLEDU43024</b> (Surface Plate)	<b>TLEDU33040</b> (Track) <b>TLEDU43040</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)

Description	Rotaspot LED	Rotaspot LED	Rotaspot LED	Rotaspot LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	3800lm	3800lm	4500lm	4500lm
Wattage	42W	42W	52W	52W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols				
Weight (kg)	1.70	1.70	1.70	1.70
Part Code <sup>[1]</sup>	<b>TLEDU33824</b> (Track) <b>TLEDU43824</b> (Surface Plate)	<b>TLEDU33840</b> (Track) <b>TLEDU43840</b> (Surface Plate)	<b>TLEDU34524</b> (Track) <b>TLEDU44524</b> (Surface Plate)	<b>TLEDU34540</b> (Track) <b>TLEDU44540</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)
- Refer to page 170 for further dimming information.
- All models fitted with an active cooling fan (22dBA)

- Suitable for vertical mounting only on 3-Circuit Track, Control Track and Surface Plate.
- /GDA & /DA Analogue Dimmable Ballast 1-10VDC



Wing LED: A distinct LED spotlight ideal for retail and display applications. This flexible range is available in a variety of beam angles, colour temperatures and finishes.

- Long life of up to 50,000 hours
  - High output of up to 4,500 lumens
  - Excellent colour rendering ≥ 85 CRI
- Lower energy costs and reduced maintenance
  - Available in 3000k, Crisp White ≥ 90 CRI



Description	Wing LED	Wing LED	Wing LED	Wing LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	2000lm	2000lm	3000lm	3000lm
Wattage	22W (Warm White) 20W (Neutral White)	22W (Warm White) 20W (Neutral White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	1.60	1.60	1.60	1.60
Part Code <sup>[1]</sup>	TLEDJ32024 (Track) TLEDJ42024 (Surface Plate)	TLEDJ32040 (Track) TLEDJ42040 (Surface Plate)	TLEDJ33024 (Track) TLEDJ43024 (Surface Plate)	TLEDJ33040 (Track) TLEDJ43040 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)

Description	Wing LED	Wing LED	Wing LED	Wing LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	3800lm	3800lm	4500lm	4500lm
Wattage	42W	42W	52W	52W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	1.60	1.60	1.60	1.60
Part Code <sup>[1]</sup>	TLEDJ33824 (Track) TLEDJ43824 (Surface Plate)	TLEDJ33840 (Track) TLEDJ43840 (Surface Plate)	TLEDJ34524 (Track) TLEDJ44524 (Surface Plate)	TLEDJ34540 (Track) TLEDJ44540 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)
  - Refer to page 170 for further dimming information.
  - All models fitted with an active cooling fan (22dBA)
- Suitable for vertical mounting only on 3-Circuit Track, Control Track and Surface Plate.
  - /GDA & /DA Analogue Dimmable Ballast 1-10VDC



Wing MH: A distinctive range of aluminium, metal halide spotlights. High output is ideal for accent lighting in retail, leisure and commercial environments.

- Supplied complete with lamp
- Front ring removes easily for lamp changing
- Supplied with safety glass
- Range of beam angles and wattages available



Description	Wing MH	Wing MH	Wing MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12
Beam	10°	24°	45°
Lumens	3400lm	3400lm	3400lm
Wattage	35W	35W	35W
Voltage	240V	240V	240V
Control Gear	Built in	Built in	Built in
Symbols			
Weight (kg)	1.32	1.32	1.32
Part Code <sup>[1]</sup>	THQJ303510 (Track) THQJ403510 (Surface Plate)	THQJ303524 (Track) THQJ403524 (Surface Plate)	THQJ303545 (Track) THQJ403545 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)
Lamp <sup>[4]</sup>	/L	/L	/L



Description	Wing MH	Wing MH	Wing MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12
Beam	10°	24°	45°
Lumens	5500lm	5500lm	5500lm
Wattage	70W	70W	70W
Voltage	240V	240V	240V
Control Gear	Built in	Built in	Built in
Symbols			
Weight (kg)	1.65	1.65	1.65
Part Code <sup>[1]</sup>	THQJ307010 (Track) THQJ407010 (Surface Plate)	THQJ307024 (Track) THQJ407024 (Surface Plate)	THQJ307045 (Track) THQJ407045 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)
Lamp <sup>[4]</sup>	/L	/L	/L

- Suitable for vertical mounting only on 3-Circuit Track, Control Track and Surface Plate.



**Torp LED:** A distinct LED spotlight ideal for retail and display applications. This flexible range is available in a variety of beam angles, colour temperatures and finishes.

- Long life of up to 50,000 hours
- Excellent colour rendering ≥ 85 CRI
- High output of up to 4,500 lumens
- Lower energy costs and reduced maintenance
- Available in 3000k, Crisp White ≥ 90 CRI



Description	Torp LED	Torp LED	Torp LED	Torp LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	2000lm	2000lm	3000lm	3000lm
Wattage	22W (Warm White) 20W (Neutral White)	22W (Warm White) 20W (Neutral White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols				
Weight (kg)	1.75	1.75	1.75	1.75
Part Code <sup>[1]</sup>	<b>TLEDK32024</b> (Track) <b>TLEDK42024</b> (Surface Plate)	<b>TLEDK32040</b> (Track) <b>TLEDK42040</b> (Surface Plate)	<b>TLEDK33024</b> (Track) <b>TLEDK43024</b> (Surface Plate)	<b>TLEDK33040</b> (Track) <b>TLEDK43040</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)



Description	Torp LED	Torp LED	Torp LED	Torp LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	3800lm	3800lm	4500lm	4500lm
Wattage	42W	42W	52W	52W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols				
Weight (kg)	1.75	1.75	1.75	1.75
Part Code <sup>[1]</sup>	<b>TLEDK33824</b> (Track) <b>TLEDK43824</b> (Surface Plate)	<b>TLEDK33840</b> (Track) <b>TLEDK43840</b> (Surface Plate)	<b>TLEDK34524</b> (Track) <b>TLEDK44524</b> (Surface Plate)	<b>TLEDK34540</b> (Track) <b>TLEDK44540</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable) /GDA (Analogue Dimmable)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)	/DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)
- Refer to page 170 for further dimming information.
- All models fitted with an active cooling fan (22dBA)

- Suitable for vertical mounting only on 3-Circuit Track, Control Track and Surface Plate.
- /GDA & /DA Analogue Dimmable Ballast 1-10VDC



Torp MH: A distinct range of metal halide spotlights, ideal for accent lighting in retail, leisure and commercial environments.

- Supplied complete with lamp
- Front ring removes for lamp changing
- Supplied with safety glass
- Range of beam angles and wattages available



Description	Torp MH	Torp MH	Torp MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12
Beam	10°	24°	45°
Lumens	3400lm	3400lm	3400lm
Wattage	35W	35W	35W
Voltage	240V	240V	240V
Control Gear	Built in	Built in	Built in
Symbols			
Weight (kg)	1.47	1.47	1.47
Part Code <sup>[1]</sup>	THQK303510 (Track) THQK403510 (Surface Plate)	THQK303524 (Track) THQK403524 (Surface Plate)	THQK303545 (Track) THQK403545 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)
Lamp <sup>[4]</sup>	/L	/L	/L

Description	Torp MH	Torp MH	Torp MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12
Beam	10°	24°	45°
Lumens	5500lm	5500lm	5500lm
Wattage	70W	70W	70W
Voltage	240V	240V	240V
Control Gear	Built in	Built in	Built in
Symbols			
Weight (kg)	1.80	1.80	1.80
Part Code <sup>[1]</sup>	THQK307010 (Track) THQK407010 (Surface Plate)	THQK307024 (Track) THQK407024 (Surface Plate)	THQK307045 (Track) THQK407045 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)
Lamp <sup>[4]</sup>	/L	/L	/L

- Not suitable for vertical mounting.



Gridspot LED: A flexible LED spotlight providing the ideal solution for retail, leisure and commercial applications.

- High output of up to 4,000 lumens
- Available in 3 different sizes and 2 finishes
- Leading Edge/Trailing Edge Dimmable with LED dimmers
- Excellent colour rendering ≥ 85 CRI
- Lower energy costs and reduced maintenance
- Dimmable as standard



Description	Gridspot LED	Gridspot LED	Gridspot LED	Gridspot LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	20°	38°	24°	38°
Lumens	1200lm	1200lm	2000lm	2000lm
Wattage	15W	15W	25W	25W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	0.60	0.60	1.00	1.00
Part Code <sup>[1]</sup>	<b>T321220</b> (Track) <b>T421220</b> (Surface Plate)	<b>T321238</b> (Track) <b>T421238</b> (Surface Plate)	<b>T322024</b> (Track) <b>T422024</b> (Surface Plate)	<b>T322038</b> (Track) <b>T422038</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)
Dimmable <sup>[3]</sup> (For surface plate)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Colour Temperature <sup>[4]</sup>	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)
Vertical Mount <sup>[5]</sup>	-	-	-	-

- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.

Description	Gridspot LED	Gridspot LED	Gridspot LED	Gridspot LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	3000lm	3000lm	4000lm	4000lm
Wattage	35W	35W	45W	45W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	1.00	1.00	1.15	1.15
Part Code <sup>[1]</sup>	<b>T323024</b> (Track) <b>T423024</b> (Surface Plate)	<b>T323038</b> (Track) <b>T423038</b> (Surface Plate)	<b>T324024</b> (Track) <b>T424024</b> (Surface Plate)	<b>T324038</b> (Track) <b>T424038</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track code)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)
Dimmable <sup>[3]</sup> (For surface plate)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)
Vertical Mount <sup>[5]</sup>	-	-	<b>Not Vertically Mounted</b> (No Code Required) /V (For 3-Circuit & Surface Plate only)	<b>Not Vertically Mounted</b> (No Code Required) /V (For 3-Circuit & Surface Plate only)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.

- 1200lm, 2000lm & 3000lm versions suitable for vertical mounting on 3-Circuit Track.  
\* LED Leading Edge/Trailing Edge LED dimmers only.



**Concepta LED:** A robust, diecast aluminium range of LED spotlights. Fully adjustable body and head. Ideal for accent lighting in retail, commercial and leisure environments.

- Body Swivels through 355°
- Leading Edge/Trailing Edge
- Dimmable with LED dimmers
- Head tilts through 90°
- Excellent colour rendering ≥ 85 CRI
- Dimmable as standard
- Lower energy costs and reduced maintenance
- Timeless design



Description	Concepta LED	Concepta LED
Light Source	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED
Beam	24°	38°
Lumens	1200lm	1200lm
Wattage	13W	13W
Voltage	240V	240V
Control Gear	Built in	Built in
Symbols	⊕	⊕
Weight (kg)	1.15	1.15
Part Code <sup>[1]</sup>	<b>T31224</b> (Track) <b>T41224</b> (Surface Plate)	<b>T31238</b> (Track) <b>T41238</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □
Track Adaptor <sup>[3]</sup> (For track)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)	/SDL (1-Circuit) /G1DL (Multi) /GDL (3-Circuit)
Dimmable <sup>[3]</sup> (For surface plate)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)
Vertical Mount <sup>[5]</sup>	<b>Not Vertically Mounted</b> (No Code Required) /V (For 3-Circuit & Surface Plate only)	<b>Not Vertically Mounted</b> (No Code Required) /V (For 3-Circuit & Surface Plate only)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.  
- Suitable for vertical mounting only on 3-Circuit Track and Surface Plate when /V added to product code.

- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.  
\* LED Leading Edge/Trailing Edge LED dimmers only.





Concepta MH & AR111: A robust, diecast aluminium range of spotlights. Fully adjustable body and head. Ideal for accent lighting in retail, commercial and leisure environments.

- Body swivels through 355°
- AR111 version dimmable
- Head tilts through 90°
- Metal Halide version supplied complete with lamp and safety glass
- Front ring removes for lamp changing



Concepta MH				
Description	Concepta MH	Concepta MH	Concepta MH	Concepta MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-TC	CDM-TC	CDM-TC	CDM-TC
Lamp Base	G8.5	G8.5	G8.5	G8.5
Beam	17°	36°	17°	36°
Lumens	3400lm	3400lm	6600lm	6600lm
Wattage	35W	35W	70W	70W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	0.84	0.84	0.96	0.96
Part Code <sup>[1]</sup>	THQS335C (Track) THQS435C (Surface Plate)	THQF335C (Track) THQF435C (Surface Plate)	THQS370C (Track) THQS470C (Surface Plate)	THQF370C (Track) THQF470C (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)
Lamp <sup>[4]</sup>	/L	/L	/L	/L
Vertical Mount <sup>[5]</sup>	Not Vertically Mounted (No Code Required) /V (For 3-Circuit & Surface Plate only)	Not Vertically Mounted (No Code Required) /V (For 3-Circuit & Surface Plate only)	Not Vertically Mounted (No Code Required) /V (For 3-Circuit & Surface Plate only)	Not Vertically Mounted (No Code Required) /V (For 3-Circuit & Surface Plate only)

Concepta AR111	
Description	Concepta AR111
Light Source	Multi Source (Lamp Not Supplied)
Lamp Type	AR111
Lamp Base	G53
Wattage	50W - 100W Max
Voltage	12V
Control Gear	Built in
Symbols	⊕
Weight (kg)	0.71
Part Code <sup>[1]</sup>	TH3111X (Track) TH4111X (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)
Vertical Mount <sup>[4]</sup>	Not Vertically Mounted (No Code Required) /V (For 3-Circuit & Surface Plate only)

MH Accessories		
Description	Anti Glare Ring	Honeycomb Louvre
Beam	17°	17°
Part Code <sup>[1]</sup>	TH582	TH583S
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □
Description	Clear Glass	Spread Lens
Beam	17°	36°
Part Code <sup>[1]</sup>	TH584	TH585
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □

- Suitable for vertical mounting only on 3-Circuit Track and Surface Plate when /V added to product code.

- Attachments not suitable for AR111 versions.  
- Only one attachment can be used per spotlight.



**Robospot LED:** An innovative range of remote controlled spotlights offering both flexibility and versatility for multiple applications. The ideal solution for changing environments.

- Body Swivels through 355°
- Head tilts through 90°
- Excellent colour rendering ≥ 85 CRI
- Infa Red Remote Controlled
- Lower energy costs and reduced maintenance
- High output of 3,500 lumens
- Dimmable via built in remote handset



Description	Robospot LED
Light Source	LED (Built in)
Lamp Type	Bridgelux
Beam	15°
Lumens	3500lm
Wattage	32W
Voltage	240V
Control Gear	Built in
Symbols	⊕
Weight (kg)	2.80
Dimmer	Built in via Remote Handset
Part Code <sup>[1]</sup>	TR33515 (Track) TR43515 (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/G3 (3-Circuit)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)

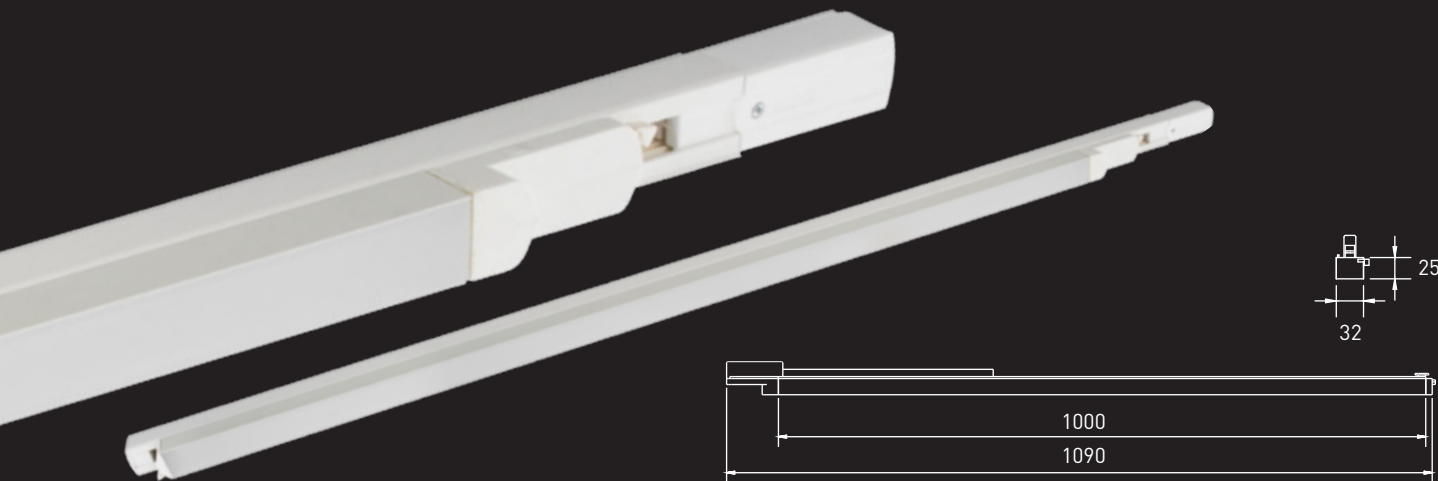
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Not suitable for vertical mounting.  
- For assistance on specification of the Robospot LED, contact Illuma Technical Support.





**Linia Blade LED:** A compact and flexible LED solution which connects to 3-Circuit Track. Ideal for feature or discrete lighting in retail, leisure and commercial interiors.

- Lower energy costs and reduced maintenance
- Integral Control Gear
- Ultra thin profile
- Ideal for discrete lighting applications



Description	Linia Blade LED
Light Source	LED (Built in)
Lamp Type	CREE LED
Beam	120°
Lumens	1600lm
Wattage	20W
Voltage	240V
Control Gear	Built in
Symbols	⊕
Weight (kg)	0.65
Part Code <sup>[1]</sup>	LN16
Colour/Finish <sup>[2]</sup>	-WH □
Track Adaptor <sup>[3]</sup>	/G3 (3-Circuit)
Colour Temperature <sup>[4]</sup>	/840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Suitable for vertical mounting.  
- Can be also used on 3-Circuit Control Track, 3-Circuit Recessed Track & 3-Circuit Recessed Control Track.





Floodline LED: LED wallwasher with compact profile, high output and excellent colour rendering. Ideal for even illumination of vertical surfaces and displays.

- Wide, uniform beam for optimum light output
- Rotates through 90° in both directions
- Excellent colour rendering ≥ 85 CRI
- DALI Dimmable/Switch Dim options available
- Compact design



Description	Floodline LED	Floodline LED	Floodline LED	Floodline LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Linear Fortimo	Philips Linear Fortimo	Philips Linear Fortimo	Philips Linear Fortimo
Beam	89°	89°	89°	89°
Lumens	2200lm	4000lm	3300lm	4400lm
Wattage	17W (Warm White) 16W (Neutral White)	33W (Warm White) 31W (Neutral White)	25W (Warm White) 24W (Neutral White)	37W (Warm White) 35W (Neutral White)
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	2.00	2.00	2.70	3.50
Part Code <sup>[1]</sup>	<b>T3722</b> (Track) <b>T4722</b> (Surface Plate)	<b>T3740</b> (Track) <b>T4740</b> (Surface Plate)	<b>T3733</b> (Track) <b>T4733</b> (Surface Plate)	<b>T3744</b> (Track) <b>T4744</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable/ Switch Dim)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable/ Switch Dim)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable/ Switch Dim)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable/ Switch Dim)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable/ Switch Dim)	/DD (DALI Dimmable/ Switch Dim)	/DD (DALI Dimmable/ Switch Dim)	/DD (DALI Dimmable/ Switch Dim)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

Description	Floodline LED
Light Source	LED (Built in)
Lamp Type	Philips Linear Fortimo
Beam	89°
Lumens	8000lm
Wattage	66W (Warm White) 62W (Neutral White)
Voltage	240V
Control Gear	Built in
Symbols	⊕
Weight (kg)	3.50
Part Code <sup>[1]</sup>	<b>T3780</b> (Track) <b>T4780</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit) /GDD (DALI Dimmable/ Switch Dim)
Dimmable <sup>[3]</sup> (For surface plate)	/DD (DALI Dimmable/ Switch Dim)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.

- Suitable for vertical mounting only on 3-Circuit Track, Control Track  
and Surface Plate.



Floodline HO: T5 wallwasher with compact profile, high output and excellent colour rendering. Ideal for even illumination of vertical surfaces and displays.

- Wide, uniform beam for optimum light output
- Rotates through 90° in both directions
- Spring-loaded lamp holders with 90° rotary lock
- Louvre removed for lamp replacement
- Compact design



Description	Floodline HO	Floodline HO	Floodline HO
Light Source	Fluorescent (Not Supplied)	Fluorescent (Not Supplied)	Fluorescent (Not Supplied)
Lamp Type	T5	T5	T5
Lamp Base	G5	G5	G5
Beam	85°	85°	85°
Wattage	2 x 24W	2 x 39W	2 x 54W
Voltage	240V	240V	240V
Control Gear	Built in	Built in	Built in
Symbols	⊕	⊕	⊕
Weight (kg)	2.00	2.60	3.20
Part Code <sup>[1]</sup>	<b>T37T2X24</b> (Track) <b>T47T2X24</b> (Surface Plate)	<b>T37T2X39</b> (Track) <b>T47T2X39</b> (Surface Plate)	<b>T37T2X54</b> (Track) <b>T47T2X54</b> (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■	-WH □ -BL ■	-WH □ -BL ■
Track Adaptor <sup>[3]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)

- Suitable for vertical mounting only on 3-Circuit Track, Control Track and Surface Plate.








**Electrostar:** Compact, lightweight spotlights for mains track or surface mounting. Ideal for highlighting and general lighting in retail, commercial and leisure environments.

- Attachments available for a variety of lighting effects
- Short circuit and thermal overload protection
- Timeless design



Description	Electrostar
Light Source	Multi Source (Lamp Not Supplied)
Lamp Type	MR16
Lamp Base	GX5.3/GU5.3
Wattage	50W Max
Voltage	12V
Control Gear	Built in
Symbols	<input type="checkbox"/>
Weight (kg)	0.16
Part Code <sup>[1]</sup>	TH340X (Track) TH440X (Surface Plate) THP340X (Track Pendant) THP440X (Surface Plate Pendant)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>
Pendant Stem <sup>[3]</sup> (mm)	No Stem (No Code Required) (300), (500) or (1000)
Track Adaptor <sup>[4]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)

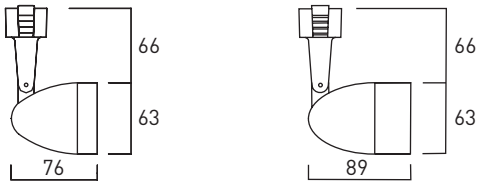
Accessories			
  			
Description	Spread Lens	Louvre	Honeycomb
Part Code <sup>[1]</sup>	T57	T58	T59
Colour/Finish <sup>[2]</sup>	-BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>

- There may be an increase in transformer noise when dimming.
- Suitable for vertical mounting.
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Accessories not suitable for LED lamps with built in fans.



**Lumapar:** A flexible range of discreet spotlights for mains lamps not requiring a transformer. Ideal for highlighting and general lighting applications.

- Ellipse back housing style
- No transformer required
- Suitable for LED retrofit lamps
- Timeless design



Description	Lumapar	
Light Source	Multi Source (Lamp Not Supplied)	
Lamp Type	PAR16	
Lamp Base	GU10	
Wattage	50W Max	
Voltage	240V	
Symbols		
Weight (kg)	0.14	
Part Code <sup>[1]</sup>	<b>TM3410</b> (Track) <b>TM4410</b> (Surface Plate) <b>TMP3410</b> (Track Pendant) <b>TMP4410</b> (Surface Plate Pendant)	
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -CH <input type="checkbox"/> -SG <input type="checkbox"/>	
Pendant Stem <sup>[3]</sup> (mm)	<b>No stem</b> (No Code Required) <b>(300), (500) or (1000)</b>	
Track Adaptor <sup>[4]</sup> (For track)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	

Accessories		
Description	Anti Glare Ring 33mm	Anti Glare Ring 53mm
Part Code <sup>[1]</sup>	<b>TM60</b>	<b>TM61</b>
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

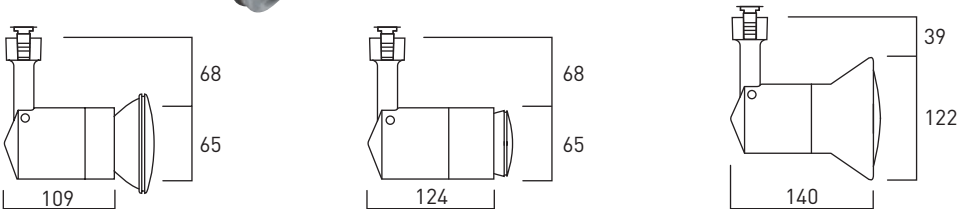
- Suitable for vertical mounting.
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Only one accessory can be used per spotlight.





**Rocket:** A range of compact spotlights for mains operated PAR halogen and LED reflector lamps. Designed for universal applications.

- Cone versions conceal the lamp and reduce glare
- Accepts a variety of lamp types and wattages
- Superior beam control through lamp selection
- Operates directly off the mains supply without the need for a transformer
- Suitable for LED retrofit lamps



<b>Description</b>	Rocket	Rocket	Rocket
<b>Light Source</b>	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
<b>Lamp Type</b>	PAR30	R60 / R63 / R80 / PAR20	PAR30
<b>Lamp Base</b>	E27	E27	E27
<b>Wattage</b>	<b>PAR30:</b> 100W Max	<b>R60 / R63:</b> 60W Max <b>R80:</b> 100W Max <b>PAR 20:</b> 50W Max	<b>PAR30:</b> 100W Max
<b>Voltage</b>	240V	240V	240V
<b>Symbols</b>			
<b>Weight (kg)</b>	0.20	0.30	0.30
<b>Part Code<sup>[1]</sup></b>	<b>T325</b> (Track) <b>T425</b> (Surface Plate) <b>TP325</b> (Track Pendant) <b>TP425</b> (Surface Plate Pendant)	<b>T326</b> (Track) <b>T426</b> (Surface Plate) <b>TP326</b> (Track Pendant) <b>TP426</b> (Surface Plate Pendant)	<b>T328</b> (Track) <b>T428</b> (Surface Plate) <b>TP328</b> (Track Pendant) <b>TP428</b> (Surface Plate Pendant)
<b>Colour/Finish<sup>[2]</sup></b>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
<b>Pendant Stem<sup>[3]</sup> (mm)</b>	<b>No stem</b> (No Code Required) <b>(300), (500) or (1000)</b>	<b>No stem</b> (No Code Required) <b>(300), (500) or (1000)</b>	<b>No stem</b> (No Code Required) <b>(300), (500) or (1000)</b>
<b>Track Adaptor<sup>[4]</sup> (For track)</b>	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)	/S (1-Circuit) /G1 (Multi) /G3 (3-Circuit)

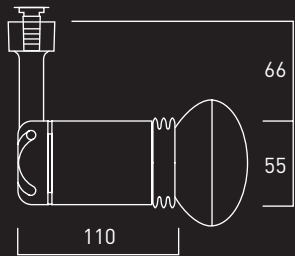
- Suitable for vertical mounting.  
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.





**Topspot:** A versatile spotlight for LED, PAR halogen and Mains Reflector lamps. Ideal for highlighting and general lighting in retail, leisure and commercial applications.

- Suitable for a variety of lamps including LED retrofit
- Timeless design



- Topspot supplied with rubber gasket, only suitable for use with specific lamps.

Description	Topspot
Light Source	Multi Source (Lamp Not Supplied)
Lamp Type	R60 / R63 / R80 / PAR20 / PAR30 / PAR38
Lamp Base	E27
Wattage	<b>R60 / R63:</b> 60W max <b>R80:</b> 75W max <b>PAR 20:</b> 50W max <b>PAR30 / PAR38:</b> 100W max
Voltage	240V
Symbols	
Weight (kg)	0.20
Part Code <sup>[1]</sup>	<b>T310</b> (Track) <b>T410</b> (Surface Plate) <b>TP310</b> (Track Pendant) <b>TP410</b> (Surface Plate Pendant)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>
Pendant Stem <sup>[3]</sup> (mm)	<b>No stem</b> (No Code Required) <b>(300), (500) or (1000)</b>
Track Adaptor <sup>[4]</sup> (For track)	<b>/S</b> (1-Circuit) / <b>G1</b> (Multi) <b>/G3</b> (3-Circuit)

- Suitable for vertical mounting.
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.





**Marktrack Spots:** Low voltage miniature spotlights for use with 12V Marktrack or surface mounting. Ideal in applications where unobtrusive profiles are required.

- Unique 'bulldog clip' track adaptor for quick and easy mounting to track
- Remote transformer required unless used with Marktrack Pack [See page 58]



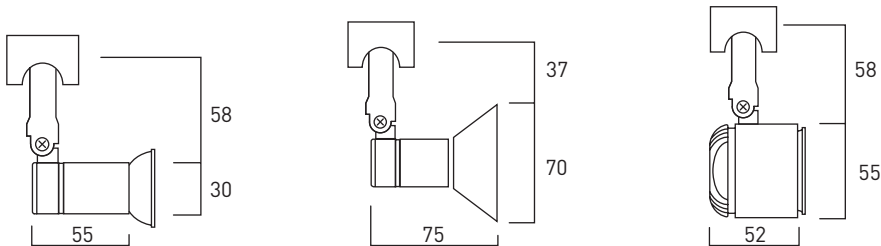
TH300X - Ministar



TH305X - Eurostar



TH330X - Superstar



Description	Marktrack Spots - Ministar	Marktrack Spot - Eurostar	Marktrack Spots - Superstar
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	MR16	MR16	MR16
Lamp Base	GX5.3/GU5.3	GX5.3/GU5.3	GX5.3/GU5.3
Wattage	50W Max	50W Max	50W Max
Voltage	12V	12V	12V
Symbols			
Weight (kg)	0.11	0.12	0.13
Part Code <sup>[1]</sup>	TH300X (Track) TH400X (Surface Plate)	TH305X (Track) TH405X (Surface Plate)	TH330X (Track) TH430X (Surface Plate)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>



Easy to use 'bulldog clip' track adaptor



Simply squeeze and push into the track



Easy to add and remove spotlights to your scheme



Accessories



Description	Spread Lens	Louvre	Honeycomb
Part Code <sup>[1]</sup>	T57	T58	T59
Colour/Finish <sup>[2]</sup>	-BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>

- Suitable for vertical mounting.
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Accessories can be used with open or glass-fronted 50mm reflector lamps, providing that on the latter the glass is flush with the rim. Not suitable for LED lamps with built in fans
- Surface plate versions require remote transformer (See page 166)

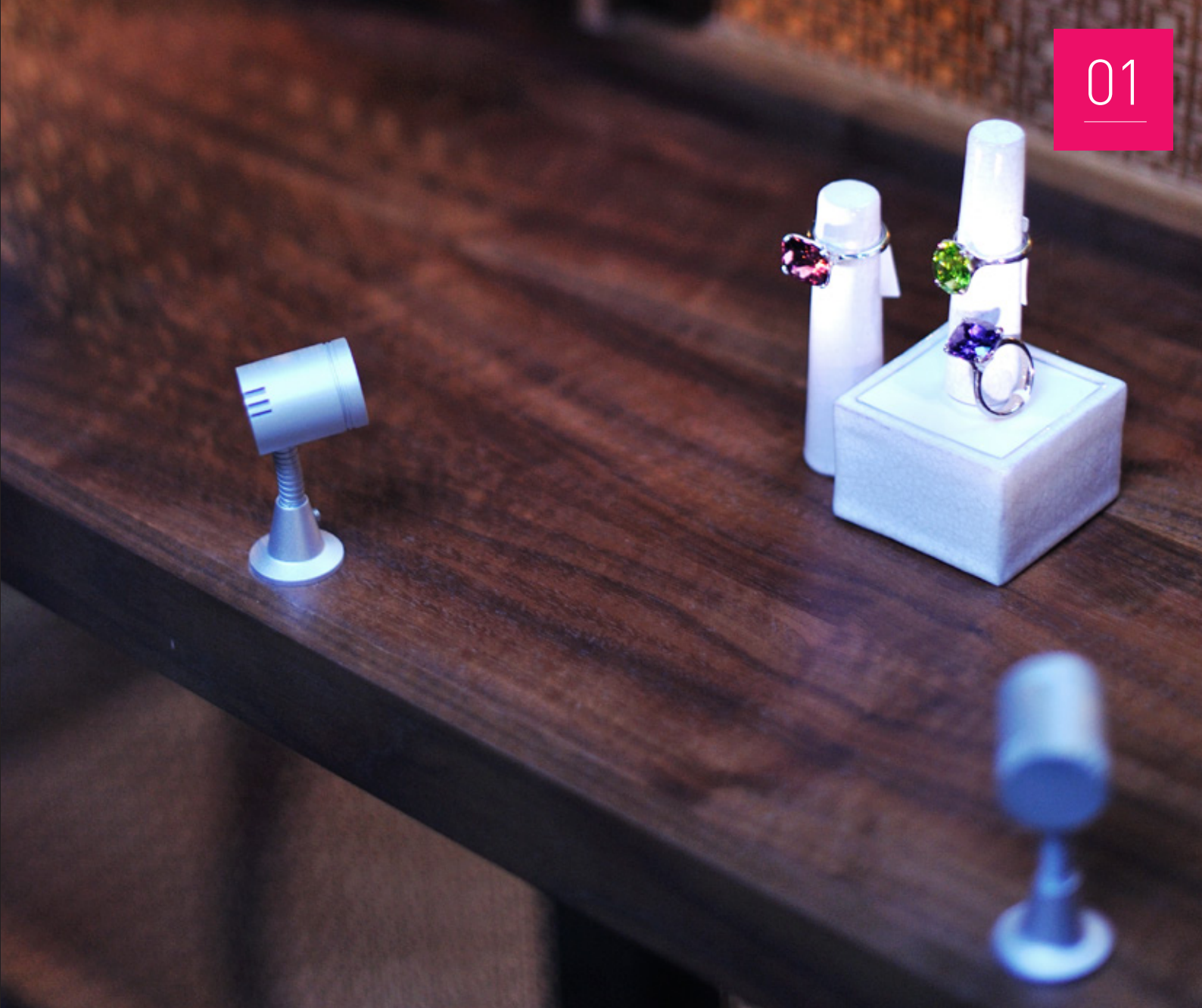


**O'Driscoll:** Miniature LED spotlight featuring a flexible stem and brushed aluminium finish. Ideal for retail and display applications.

- Surface mounted
  - 15° beam angle
- 350 mA feed
  - Discrete size
- Optical lens



Description	O'Driscoll	O'Driscoll
Light Source	LED (Built in)	LED (Built in)
Lamp Type	Osram LED	Osram LED
Beam	15°	15°
Lumens	92lm	102lm
Wattage	1W	1W
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)
Symbols		
Weight (kg)	0.04	0.04
Part Code <sup>[1]</sup>	T4010115	T4010115
Colour Temperature <sup>[2]</sup>	WW (Warm White)	NW (Neutral White)
Colour/Finish <sup>[3]</sup>	-AB ■	-AB ■



Power Supply			
Description	Electronic Power Supply, 350mA, Constant Current, 3VA, 1-3W	Electronic Power Supply, 350mA, Constant Current, 12VA, 6-12W	Electronic Power Supply, 350mA, Constant Current, 18VA, 10-18W
Size (mm)	55 x 20 x 39	168 x 39 x 30	153 x 31 x 67
Symbols			
Weight (kg)	0.03	0.12	0.30
Part Code <sup>[1]</sup>	PSL03350	PSL12350	PSL18350

Splitter Block			
Description	350mA 6 way extension (1000mm lead) c/w 3 x PSP350	350mA 2 way extension (1000mm lead)	Close-loop plug for 350mA
Symbols			
Part Code <sup>[1]</sup>	PSE6350(1000)	PSE2350(1000)	PSP350

- Refer to page 164 for further power supply information.  
- Suitable for vertical mounting.

illumatrack systems

A comprehensive range of mains and low voltage track systems providing versatility for all applications.





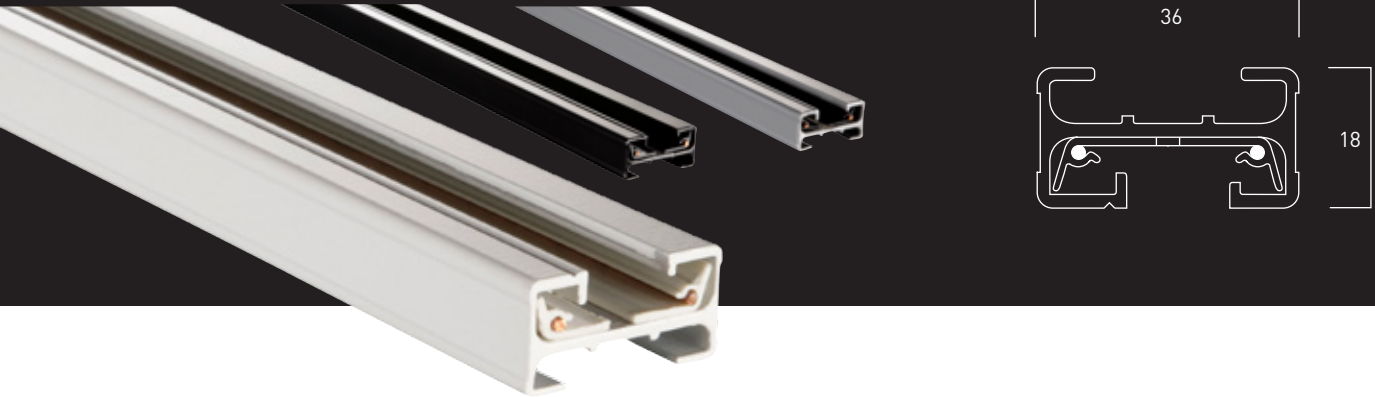
**illumina** track systems

Track systems are the most versatile lighting tool for galleries, exhibitions, retail and other display applications, allowing fixtures to be positioned precisely where required.





1-Circuit 230V: 16A track, connector and accessory system. Ideal for applications where spotlights may need to be frequently added or removed.



Track			
Description	1-Circuit Track, 230V, 4ft / 1115mm, inc Dead End	1-Circuit Track, 230V, 8ft / 2335mm, inc Dead End	1-Circuit Track, 230V, 12ft / 3555mm, inc Dead End
Symbols			
Weight (kg)	0.68	1.35	2.10
Part Code <sup>[1]</sup>	T4	T8	T12
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/>

- Illuma track is scored to optimise earthing.
- Illuma 1-Circuit track is rated at 16A, giving a maximum lamp load of 3800w per track circuit (eg. 76 x 50w spotlights).

Suspensions



Description	Adjustable Suspension Wire, 3000mm long with bracket & fixings
Part Code <sup>[1]</sup>	T35(3000)
Description	Adjustable Suspension Wire, 6000mm long with bracket & fixings
Part Code <sup>[1]</sup>	T35(6000)







Description	T Bar attachment clip for use with tiles that lie flush with a 25mm T bar
Part Code <sup>[1]</sup>	T37F

Description	Suspension Rod, 500mm long
Part Code <sup>[1]</sup>	T33(500)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>
Description	Suspension Rod, 1000mm long
Part Code <sup>[1]</sup>	T33(1000)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>

- T4 requires 2 rods or wires
- T8 requires 3 rods or wires
- T12 requires 4 rods or wires
- Max loading 10kg per rod

Live Ends, Dead Ends & Connectors

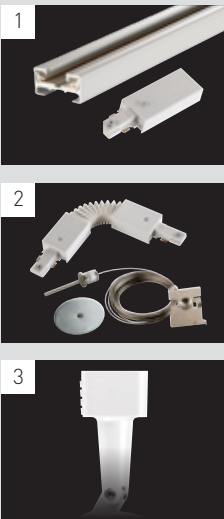
Dimensions refer to length after insertion into track.


					
<b>Description</b>		Live End, 82mm		Centre Feed, 118 x 118mm Not suitable for suspended track	
<b>Part Code<sup>[1]</sup></b>		<b>T38</b>		<b>T39</b>	
<b>Colour/Finish<sup>[2]</sup></b>		<b>-WH</b> <input type="checkbox"/> <b>-BL</b> <input type="checkbox"/> <b>-SG</b> <input type="checkbox"/>		<b>-WH</b> <input type="checkbox"/> <b>-BL</b> <input checked="" type="checkbox"/>	
					
<b>Description</b>		Dead End with fixing screw, 3mm		Straight Connector, 8mm	
<b>Part Code<sup>[1]</sup></b>		<b>TDE1</b>		<b>T23</b>	
<b>Colour/Finish<sup>[2]</sup></b>		<b>-WH</b> <input type="checkbox"/> <b>-BL</b> <input checked="" type="checkbox"/> <b>-SG</b> <input type="checkbox"/>		<b>-WH</b> <input type="checkbox"/> <b>-BL</b> <input checked="" type="checkbox"/> <b>-SG</b> <input type="checkbox"/>	



Track can be cut to any length and comes complete with Dead End. Remember you need a Live End.


If you are joining track select the appropriate connectors for purpose. You can suspend track with wire or rods.


Ensure the spotlights that you select are compatible with 1-Circuit Track. The part code will include /S or /SDL



	
Description	Flexible Connector 0° to 158°, 160mm
Part Code <sup>[1]</sup>	T20
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>



<div><div><div>90°</div></div><div><div>180°</div></div></div>	
<b>Description</b>	Adjustable Connector 90°, 70 x 70mm, (Adjustable left & right) or 180°, 105mm, Suitable for incoming mains
<b>Part Code<sup>[1]</sup></b>	<b>T24</b>
<b>Colour/Finish<sup>[2]</sup></b>	<b>-WH</b> <input type="checkbox"/> <b>-BL</b> <input checked="" type="checkbox"/>



	
Description	'T' Connector, 70 x 105mm, Dual Polarity. Suitable for incoming mains.
Part Code <sup>[1]</sup>	T25
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

	
Description	'X' Connector, 105 x 105mm Suitable for incoming mains, requires two live ends.
Part Code <sup>[1]</sup>	T26
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

- All of the above are **Class 1** with the exception of the Dead End.

Track Adaptors

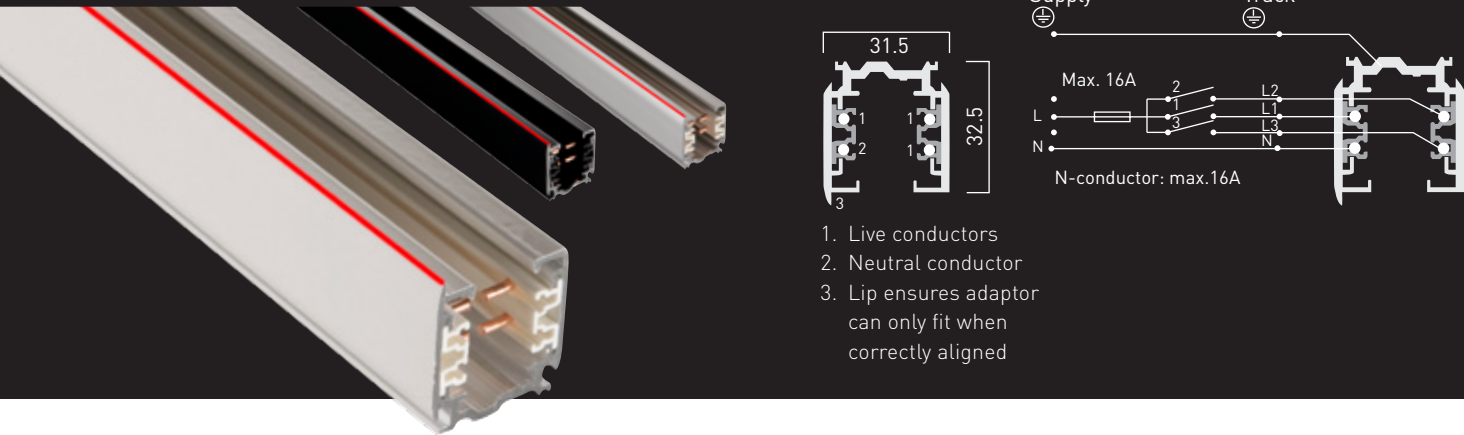
	
Description	Switched Track Adaptor - pre wired with 1500mm cable
Weight (kg)	0.11
Symbols	
Part Code <sup>[1]</sup>	T29
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
Track Adaptor <sup>[3]</sup>	/S (1-Circuit) /G1 (Multi)

	
Description	Switched Track Adaptor with ring - pre wired with 1500mm cable, 5kg max load
Weight (kg)	0.12
Symbols	
Part Code <sup>[1]</sup>	T32
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
Track Adaptor <sup>[3]</sup>	/S (1-Circuit) /G1 (Multi)

- Can be made to order with other cable lengths (up to 3000mm Max).

- Designed for use with light fittings (5A max. unfused): Not to be used for any other purpose.

3-Circuit 230V: 16A mains voltage track system. Enabling up to three lighting configurations to be set up on one track, and be controlled and switched individually.

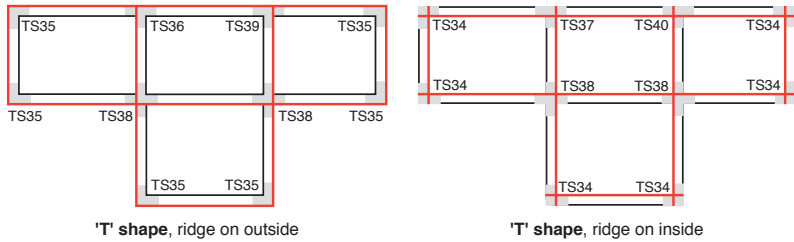


Track				
Description	3-Circuit Track, 230V, 3.2ft / 1000mm	3-Circuit Track, 230V, 6.5ft / 2000mm	3-Circuit Track, 230V, 9.8ft / 3000mm	3-Circuit Track, 230V, 13.1ft / 4000mm
Symbols				
Weight (kg)	0.90	1.80	2.80	3.60
Part Code <sup>[1]</sup>	TS4100	TS4200	TS4300	TS4400
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/> -SG <input type="checkbox"/>

- Illuma 3-Circuit track is rated at 16A, giving a maximum lamp load of 3800W across the 3 Circuits (eg. 76 x 50W spotlights).
- Please note that the above track does NOT come with a Live or Dead-end. Live and Dead-ends must be ordered separately - see opposite page.

Polarity

When planning a layout with 3-Circuit Track, continuous polarity is necessary, as shown in the diagrams on the right. The red line indicates the polarity ridge on the track.



Suspensions



Description	Adjustable Suspension Wire, 6000mm long with universal clamp
Part Code <sup>[1]</sup>	TSP4P
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

- Track must be secured every metre.
- Maximum force sustainable by the above: 200N.
- Max loading 10kg per run.





Bending Tool













Description	Bending Tool - to shape conductors when track has been cut
Part Code <sup>[1]</sup>	TSV12

Live Ends, Dead Ends & Connectors

Dimensions refer to length after insertion into track. Red line indicates polarity.



 		
Description	Right Live End, 66mm	Left Live End, 66mm
Part Code <sup>[1]</sup>	TS11	TS12
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
 		
Description	Dead End, 3mm	Centre Feed, 100mm Suitable for incoming mains
Part Code <sup>[1]</sup>	TS41	TS14
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

   				
Description	Straight Connector, No extra length after insertion	'L' Connector, 66 x 66mm Suitable for incoming mains	'L' Connector, 66 x 66mm Suitable for incoming mains	'X' Connector, 100 x 100mm Suitable for incoming mains, Requires 2 live feeds
Part Code <sup>[1]</sup>	TS21	TS34	TS35	TS38
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
   				
Description	'T' Connector, 66 x 100mm Suitable for incoming mains	'T' Connector, 66 x 100mm Suitable for incoming mains	'T' Connector, 66 x 100mm Suitable for incoming mains	'T' Connector, 66 x 100mm Suitable for incoming mains
Part Code <sup>[1]</sup>	TS36	TS37	TS39	TS40
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

 		
Description	Flexible Connector, 0° to 180°, 175mm	Adjustable Connector, 60° to 300°, 160mm
Part Code <sup>[1]</sup>	TS23	TS24
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>

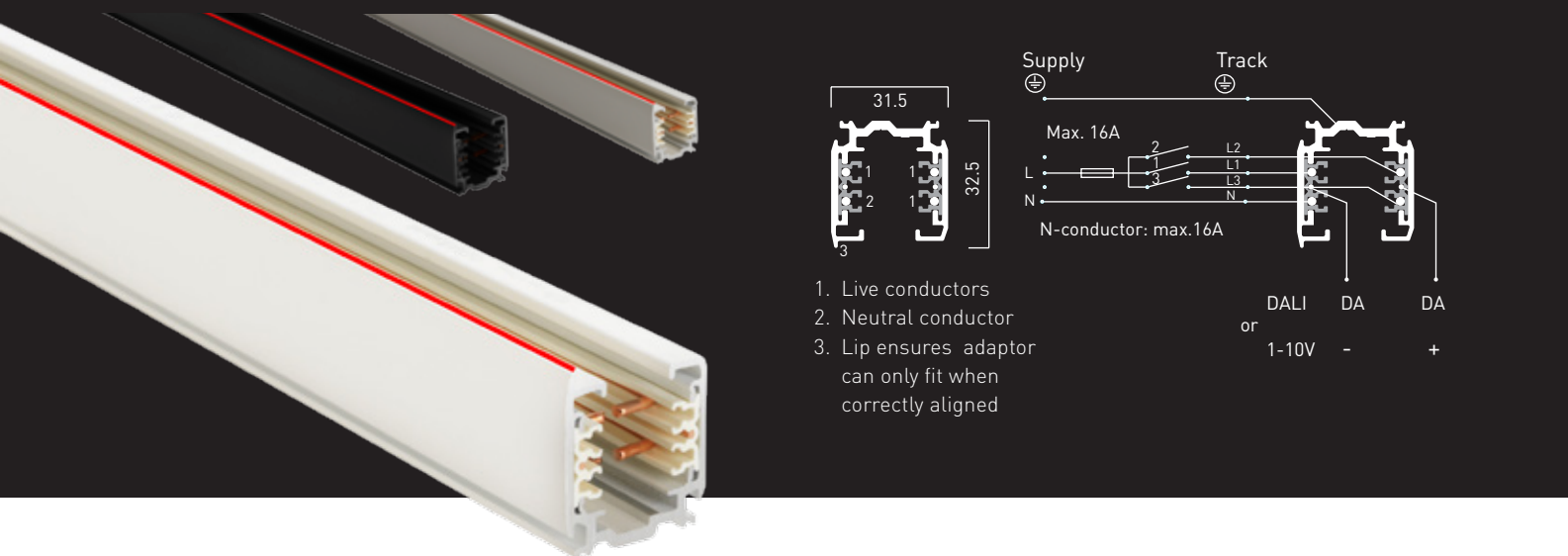
- All of the above are **Class 1** with the exception of the Dead End.

Track Adaptors

					
Description	Global Track Adaptor - pre wired with a 1500mm cable		Description	Global Track Adaptor with ring - pre wired with a 1500mm cable, 5kg max load	
Symbols			Symbols		
Weight (kg)	0.16		Weight (kg)	0.17	
Part Code <sup>[1]</sup>	TS29		Part Code <sup>[1]</sup>	TS32	
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>		Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	

- Can be made to order with other cable lengths (up to 3000mm Max).
- Designed for use with light fittings (5A max. unfused): Not to be used for any other purpose.

Control Track 230V: 16A mains voltage track system. Enabling up to three lighting configurations to be set up on one track and be controlled, dimmed & switched individually.

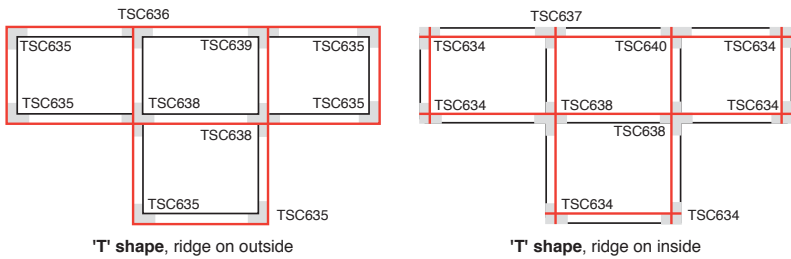


Track				
Description	Control Track 230V, 3.2ft / 1000mm	Control Track 230V, 6.5ft / 2000mm	Control Track 230V, 9.8ft / 3000mm	Control Track 230V, 13.1ft / 4000mm
Symbols				
Weight (kg)	0.90	1.80	2.80	3.60
Part Code <sup>[1]</sup>	TS6100	TS6200	TS6300	TS6400
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG

- Control Track is rated at 16A, giving a maximum lamp load of 3800W across the 3 Circuits (eg. 76 x 50W spotlights).  
- Please note that the above track does NOT come with a Live or Dead-end. Live and Dead-ends must be ordered separately - see opposite page.

Polarity

When planning a layout with Control Track, continuous polarity is necessary, as shown in the diagrams on the right. The red line indicates the polarity ridge on the track.



Suspensions

Description	Adjustable Suspension Wire, 6000mm long with universal clamp
Part Code <sup>[1]</sup>	TSP4P
Colour/Finish <sup>[2]</sup>	-WH  -BL

- Track must be secured every metre.
- Maximum force sustainable by the above: 200N.
- Max loading 10kg per run.

Bending Tool

Description	Bending Tool - to shape conductors when track has been cut
Part Code <sup>[1]</sup>	TSV12



Live Ends, Dead Ends & Connectors

Dimensions refer to length after insertion into track. Red line indicates polarity.

Description	Right Live End, 90mm	Left Live End, 90mm
Part Code <sup>[1]</sup>	TSC611	TSC612
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL
Description	Dead End, 3mm	Centre Feed, 170mm Suitable for incoming mains
Part Code <sup>[1]</sup>	TS41	TSC614
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL

Description	Straight Connector, No extra length after insertion	'L' Connector, 100 x 100mm Suitable for incoming mains	'L' Connector, 100 x 100mm Suitable for incoming mains	'X' Connector, 170 x 170mm Suitable for incoming mains, Requires 2 live feeds
Part Code <sup>[1]</sup>	TSC621	TSC634	TSC635	TSC638
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL	-WH  -BL	-WH  -BL
Description	'T' Connector, 100 x 170mm Suitable for incoming mains	'T' Connector, 100 x 170mm Suitable for incoming mains	'T' Connector, 100 x 170mm Suitable for incoming mains	'T' Connector, 100 x 170mm Suitable for incoming mains
Part Code <sup>[1]</sup>	TSC636	TSC637	TSC639	TSC640
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL	-WH  -BL	-WH  -BL

Description	Flexible Connector, 0° to 180°, 215mm
Part Code <sup>[1]</sup>	TSC623
Colour/Finish <sup>[2]</sup>	-WH  -BL

- All of the above are **Class 1** with the exception of the Dead End.

Track Adaptor

Description	Global Track Adaptor - pre wired with a 1500mm cable	Description	Global Track Adaptor with ring - pre wired with a 1500mm cable, 5kg max load
Symbols		Symbols	
Weight (kg)	0.16	Weight (kg)	0.17
Part Code <sup>[1]</sup>	TS29	Part Code <sup>[1]</sup>	TS32
Colour/Finish <sup>[2]</sup>	-WH  -BL	Colour/Finish <sup>[2]</sup>	-WH  -BL

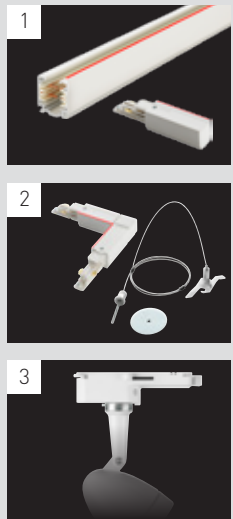
- Can be made to order with other cable lengths (up to 3000mm Max).

- Designed for use with light fittings (5A max. unfused): Not to be used for any other purpose.

Track can be cut to any length. Remember you need a Live End, Dead End and Bending Tool.

If you are joining track select the appropriate polarity connectors. You can suspend track with wire systems.

Ensure the spotlights that you select are compatible with Control Track. The part code will include /GDA or /GDD.





Marktrack 12V: 12V 25A track which can be used with a range of miniature spotlights. Supplied complete with fixing kit, live-end and dead-end.



Track		
Description	Marktrack, 12V, 4ft / 1200mm, inc Live and Dead End c/w 1200mm, 4mm² cable (max 300W loading)	Marktrack, 12V, 8ft / 2400mm, inc Live and Dead End c/w 1200mm, 4mm² cable (max 300W loading)
Symbols		
Weight (kg)	0.80	1.50
Part Code <sup>[1]</sup>	TLV4A	TLV8
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL

- TLV4A and TLV8 require a remote transformer.

Remote Transformer

Description	12V Toroidal Transformer, Boxed, 300VA, 150-300W
Size (mm)	245 x 197 x 83
Symbols	
Weight (kg)	4.38
Part Code <sup>[1]</sup>	LVTB300MOD
Colour/Finish <sup>[2]</sup>	-WH



Track with Transformer Packs		
Description	Marktrack Pack, 12V, 4ft / 1200mm Track, inc 50-210VA Elec Trans	Marktrack Pack, 12V, 6ft / 1800mm Track, inc 50-210VA Elec Trans
Light Source	-	-
Lamp Type	-	-
Lamp Base	-	-
Wattage	-	-
Symbols		
Weight (kg)	1.00	1.20
Part Code <sup>[1]</sup>	TLVE4	TLVD6
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL

Track, Transformer and Ministar Spotlights Packs		
Description	Marktrack Pack, 12V, 4ft / 1200mm Track, inc 50-210VA Elec Trans. c/w 3 x Ministar Spotlights	Marktrack Pack, 12V, 6ft / 1800mm Track, inc 50-210VA Elec Trans. c/w 4 x Ministar Spotlights
Light Source	Multi Source (Lamps Supplied)	Multi Source (Lamps Supplied)
Lamp Type	MR16	MR16
Lamp Base	GX5.3/GU5.3	GX5.3/GU5.3
Wattage	3 x 50W	4 x 50W
Symbols		
Weight (kg)	1.40	1.80
Part Code <sup>[1]</sup>	TLVE4/300	TLVD6/300
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL

Track, Transformer and Superstar Spotlights Packs		
Description	Marktrack Pack, 12V, 4ft / 1200mm Track, inc 50-210VA Elec Trans. c/w 3 x Superstar Spotlights	Marktrack Pack, 12V, 6ft / 1800mm Track, inc 50-210VA Elec Trans. c/w 4 x Superstar Spotlights
Light Source	Multi Source (Lamps supplied)	Multi Source (Lamps Supplied)
Lamp Type	MR16	MR16
Lamp Base	GX5.3/GU5.3	GX5.3/GU5.3
Wattage	3 x 50W	4 x 50W
Symbols		
Weight (kg)	1.40	1.80
Part Code <sup>[1]</sup>	TLVE4/330	TLVD6/330
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL










Replacement Transformers	
Description	Marktrack Transformer 50 - 210VA
Symbols	
Part Code <sup>[1]</sup>	THVTE210
Colour/Finish <sup>[2]</sup>	-WH  -BL

- Suitable for use with most types of good quality dimmer, including leading and trailing edge dimmers.
- There may be an increase in transformer noise when dimming.
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Track cannot be joined due to voltage drop.

\* LED Lamps shown not included when ordering Marktrack Packs.

illumina downlights

An extensive range of highly innovative downlights, suitable for multiple environments.

 Framelight LED 2 64	 Framelight LED (CREE) 66	 Framelight LED (Fortimo) 1/2 68	 Framelight LED (Fortimo) 3/4 72	 Framelight MR16 76	 Framelight MH 78
 Project 50 80	 Project 85 82	 Project 95 84	 Project 115 88	 Arc 111 LED 92	 Arc 111 94
 Arc 145 MH 96	 Arc 160 LED 98	 Arc 183 LED 100	 Arc 183 MH 102	 Arc 200 LED 104	 Wallwash LED 106
 Twizzle LED 108	 Highlux 100 LED 110	 Lightseal LED 112	 Twinlux LED 114	 Spira LED 116	
			 Opaz 118	 Proseal 120	



**illumina** downlights

Downlights are the most popular way of providing light for retail applications, office environments, circulation zones & office perimeter areas.





Framelight LED 2: A classic built LED accent lighting solution for multiple retail, leisure and commercial applications. Fully adjustable  $\pm 45^{\circ}$  pivot on two axes. Single, double, triple and quadruple options available.

- Tension springs allow quick and easy installation
- 1,000 lumen LED (per head)
- Various dimmable options available
- Excellent colour rendering  $\geq 85$  CRI



Description	Framelight LED 2, Single	Framelight LED 2, Single	Framelight LED 2, Double	Framelight LED 2, Double
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	1 x 1000lm	1 x 1000lm	2 x 1000lm	2 x 1000lm
Wattage	1 x 13W	1 x 13W	2 x 13W	2 x 13W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	0.55	0.55	0.95	0.95
Part Code <sup>[1]</sup>	DFL11024	DFL11038	DFL21024	DFL21038
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temp <sup>[4]</sup>	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)

- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.

Description	Framelight LED 2, Triple	Framelight LED 2, Triple	Framelight LED 2, Quadruple	Framelight LED 2, Quadruple
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	3 x 1000lm	3 x 1000lm	4 x 1000lm	4 x 1000lm
Wattage	3 x 13W	3 x 13W	4 x 13W	4 x 13W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	1.30	1.30	1.60	1.60
Part Code <sup>[1]</sup>	DFL31024	DFL31038	DFL41024	DFL41038
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)
Colour Temp <sup>[4]</sup>	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)

- Refer to page 170 for further dimming information.

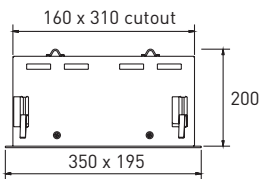
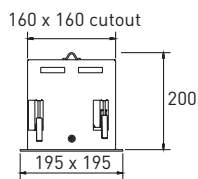
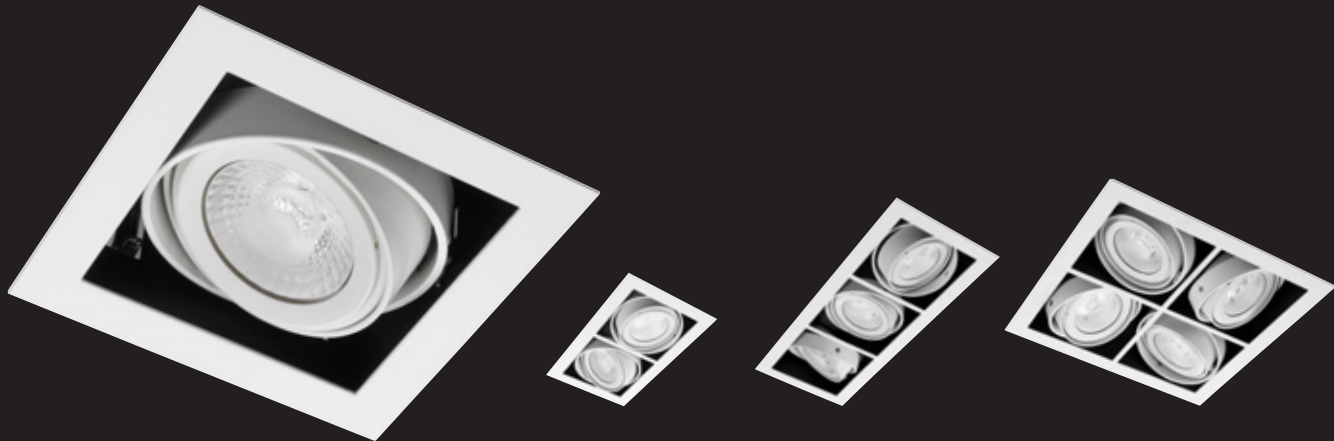
- /DA Analogue Dimmable Ballast 1-10VDC

\* LED Leading Edge/Trailing Edge LED dimmers only.



**Framelight LED (CREE):** A classic built in LED accent lighting solution for multiple retail, leisure and commercial applications. Fully adjustable  $\pm 45^{\circ}$  pivot on two axes. Single, double, triple and quadruple options available.

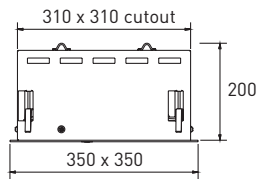
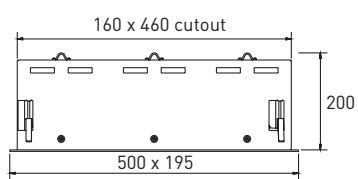
- Retention clamps allow quick and easy installation
- LED Leading Edge/Trailing Edge Dimmable as standard
- Excellent colour rendering  $\geq 85$  CRI
- Frameless kit available
- 2,000 lumen LED (per head)



Description	Framelight LED (CREE), Single	Framelight LED (CREE), Single	Framelight LED (CREE), Double	Framelight LED (CREE), Double
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	1 x 2000lm	1 x 2000lm	2 x 2000lm	2 x 2000lm
Wattage	1 x 24W	1 x 24W	2 x 24W	2 x 24W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	1.80	1.80	2.80	2.80
Part Code <sup>[1]</sup>	DF12024	DF12038	DF22024	DF22038
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.

- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.  
\* LED Leading Edge/Trailing Edge LED dimmers only.



Description	Framelight LED (CREE), Triple	Framelight LED (CREE), Triple	Framelight LED (CREE), Quadruple	Framelight LED (CREE), Quadruple
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	3 x 2000lm	3 x 2000lm	4 x 2000lm	4 x 2000lm
Wattage	3 x 24W	3 x 24W	4 x 24W	4 x 24W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	4.00	4.00	5.30	5.30
Part Code <sup>[1]</sup>	DF32024	DF32038	DF42024	DF42038
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

Accessories

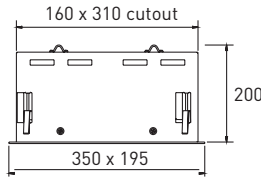
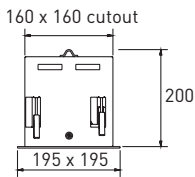
Description	Plastering Kit to turn framelights into frameless downlights
Part Code <sup>[1]</sup>	FPB100

- For single Framelight, one plastering kit required. For double, triple & quadruple Framelights, two plastering kits required.

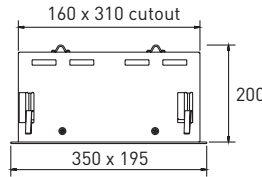
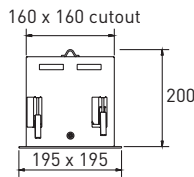


**Framelight LED (Fortimo) 1/2:** A classic built in LED accent lighting solution for multiple retail, leisure and commercial applications. Fully adjustable  $\pm 45^{\circ}$  pivot on two axes. Single, double, triple and quadruple options available.

- Retention clamps allow quick and easy installation
- 2000lm/3000lm/3800lm/4500lm LED versions available
- Dimmable options available
- Frameless kit available
- Available in 3000k, Crisp White  $\geq 90$  CRI
- Excellent colour rendering  $\geq 85$  CRI

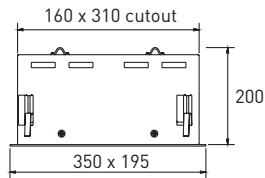
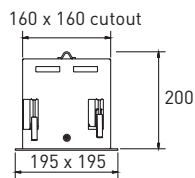


Description	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Double	Framelight LED (Fortimo), Double
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	1 x 2000lm	1 x 2000lm	2 x 2000lm	2 x 2000lm
Wattage	22W (Warm White) 20W (Neutral White)	22W (Warm White) 20W (Neutral White)	2 x 22W (Warm White) 2 x 20W (Neutral White)	2 x 22W (Warm White) 2 x 20W (Neutral White)
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	2.20	2.20	3.80	3.80
Part Code <sup>[1]</sup>	DLEDDF12024	DLEDDF12040	DLEDDF22024	DLEDDF22040
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

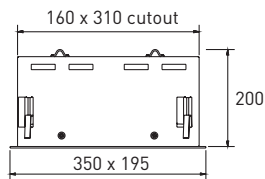
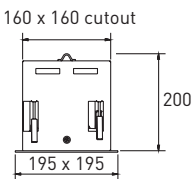


Description	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Double	Framelight LED (Fortimo), Double
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	1 x 3000lm	1 x 3000lm	2 x 3000lm	2 x 3000lm
Wattage	33W (Warm White) 31W (Neutral White) 34W (Crisp White)	33W (Warm White) 31W (Neutral White) 34W (Crisp White)	2 x 33W (Warm White) 2 x 31W (Neutral White) 2 x 34W (Crisp White)	2 x 33W (Warm White) 2 x 31W (Neutral White) 2 x 34W (Crisp White)
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	2.20	2.20	3.80	3.80
Part Code <sup>[1]</sup>	DLEDDF13024	DLEDDF13040	DLEDDF23024	DLEDDF23040
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	<b>None</b> (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)





Description	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Double	Framelight LED (Fortimo), Double
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	1 x 3800lm	1 x 3800lm	2 x 3800lm	2 x 3800lm
Wattage	42W	42W	2 x 42W	2 x 42W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	2.20	2.20	3.80	3.80
Part Code <sup>[1]</sup>	DLEDDF13824	DLEDDF13840	DLEDDF23824	DLEDDF23840
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)



Description	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Single	Framelight LED (Fortimo), Double	Framelight LED (Fortimo), Double
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	1 x 4500lm	1 x 4500lm	2 x 4500lm	2 x 4500lm
Wattage	52W	52W	2 x 52W	2 x 52W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	2.20	2.20	3.80	3.80
Part Code <sup>[1]</sup>	DLEDDF14524	DLEDDF14540	DLEDDF24524	DLEDDF24540
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

Accessories

Description	Plastering Kit to turn framelights into frameless downlights
Part Code <sup>[1]</sup>	FPB100

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)
- Refer to page 170 for further dimming information.
- /ELDA Analogue Dimmable Ballast 1-10Vdc

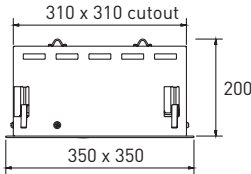
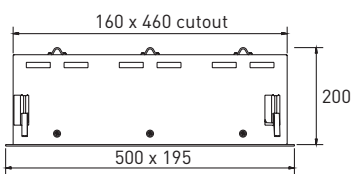
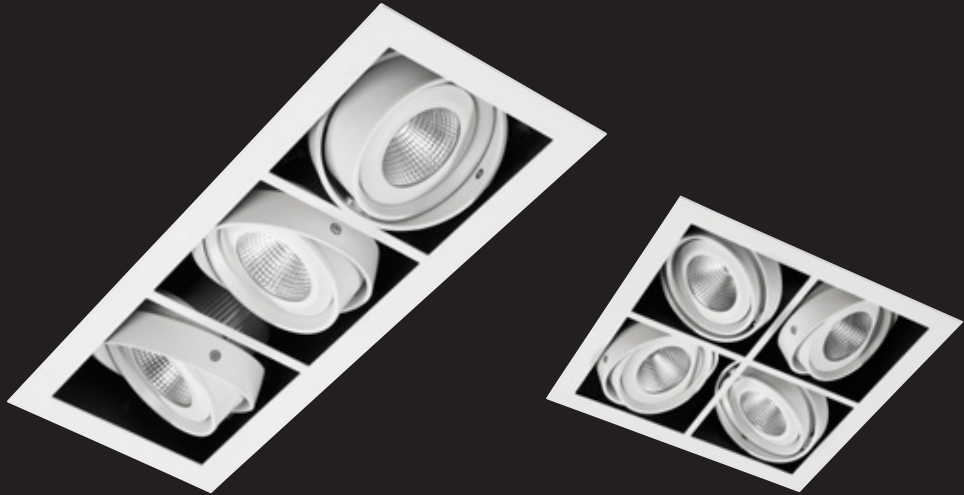
- For single Framelight, one plastering kit required.
- For double Framelights, two plastering kits required.



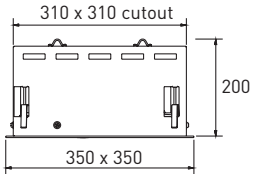
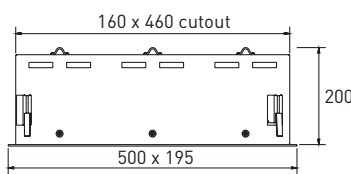


**Framelight LED (Fortimo) 3/4:** A classic built in LED accent lighting solution for multiple retail, leisure and commercial applications. Fully adjustable  $\pm 45^{\circ}$  pivot on two axes. Single, double, triple and quadruple options available.

- Retention clamps allow quick and easy installation
  - 2000lm/3000lm/3800lm/4500lm LED versions available
  - Dimmable options available
- Frameless kit available
  - Available in 3000k, Crisp White  $\geq 90$  CRI
  - Excellent colour rendering  $\geq 85$  CRI

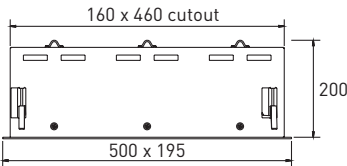
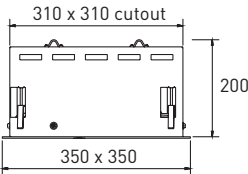











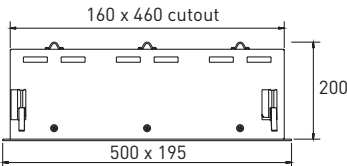
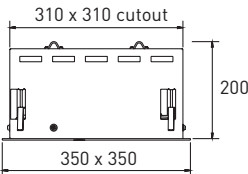









Description	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Quadruple	Framelight LED (Fortimo), Quadruple
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	3 x 2000lm	3 x 2000lm	4 x 2000lm	4 x 2000lm
Wattage	3 x 22W (Warm White) 3 x 20W (Neutral White)	3 x 22W (Warm White) 3 x 20W (Neutral White)	4 x 22W (Warm White) 4 x 20W (Neutral White)	4 x 22W (Warm White) 4 x 20W (Neutral White)
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	5.70	5.70	7.60	7.60
Part Code <sup>[1]</sup>	DLEDDF32024	DLEDDF32040	DLEDDF42024	DLEDDF42040
Colour/Finish <sup>[2]</sup>	-WH -SG	-WH -SG	-WH -SG	-WH -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)



Description	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Quadruple	Framelight LED (Fortimo), Quadruple
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°
Lumens	3 x 3000lm	3 x 3000lm	4 x 3000lm	4 x 3000lm
Wattage	3 x 33W (Warm White) 3 x 31W (Neutral White) 3 x 34W (Crisp White)	3 x 33W (Warm White) 3 x 31W (Neutral White) 3 x 34W (Crisp White)	4 x 33W (Warm White) 4 x 31W (Neutral White) 4 x 34W (Crisp White)	4 x 33W (Warm White) 4 x 31W (Neutral White) 4 x 34W (Crisp White)
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	5.70	5.70	7.60	7.60
Part Code <sup>[1]</sup>	DLEDDF33024	DLEDDF33040	DLEDDF43024	DLEDDF43040
Colour/Finish <sup>[2]</sup>	-WH -SG	-WH -SG	-WH -SG	-WH -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White) /930C (3000k-Crisp White)



			
Description	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Triple
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°
Lumens	3 x 3800lm	3 x 3800lm	4 x 3800lm
Wattage	3 x 42W	3 x 42W	4 x 42W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols			
Weight (kg)	5.70	5.70	7.60
Part Code <sup>[1]</sup>	DLEDDF33824	DLEDDF33840	DLEDDF43824
Colour/Finish <sup>[2]</sup>	-WH  -SG 	-WH  -SG 	-WH  -SG 
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)

			
Description	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Triple	Framelight LED (Fortimo), Triple
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°
Lumens	3 x 4500lm	3 x 4500lm	4 x 4500lm
Wattage	3 x 52W	3 x 52W	4 x 52W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols			
Weight (kg)	5.70	5.70	7.60
Part Code <sup>[1]</sup>	DLEDDF34524	DLEDDF34540	DLEDDF44524
Colour/Finish <sup>[2]</sup>	-WH  -SG 	-WH  -SG 	-WH  -SG 
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim) /ELDA (Analogue Dimmable)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

Accessories

Description	Plastering Kit to turn framelights into frameless downlights
Part Code <sup>[1]</sup>	FPB100

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)

- Refer to page 170 for further dimming information.
- /ELDA Analogue Dimmable Ballast 1-10Vdc

- For triple and quadruple Framelights, two plastering kits required.

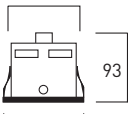
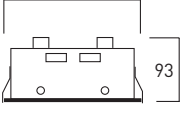
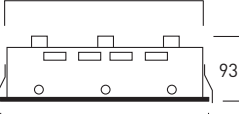
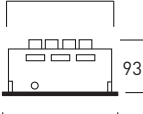








**Framelight MR16:** A classic MR16 accent lighting solution for multiple retail, leisure and commercial applications. Fully adjustable  $\pm 45^{\circ}$  pivot on two axes. Single, double, triple and quadruple options available.

- Tension springs allow quick and easy installation
- Suitable for LED retrofit lamps



	94 x 94 Cutout	189 x 94 Cutout	286 x 94 Cutout	179 x 179 Cutout
				
	108 x 108	203 x 108	300 x 108	193 x 193
Description	Framelight MR16, Single	Framelight MR16, Double	Framelight MR16, Triple	Framelight MR16, Quadruple
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	MR16	MR16	MR16	MR16
Lamp Base	GX5.3/GU5.3	GX5.3/GU5.3	GX5.3/GU5.3	GX5.3/GU5.3
Wattage	1 x 50W Max	2 x 50W Max	3 x 50W Max	4 x 50W Max
Voltage	12V	12V	12V	12V
Control Gear	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols				
Weight (kg)	0.50	0.73	1.08	1.20
Part Code <sup>[1]</sup>	DFGX1	DFGX2	DFGX3	DFGX4
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>

- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.  
- Refer to page 166 for further transformer information.

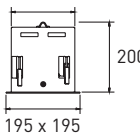
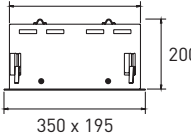
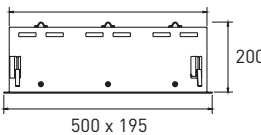
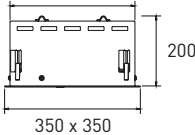






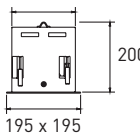
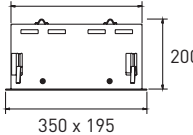
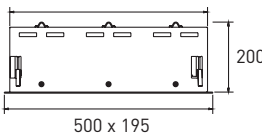
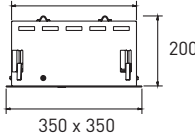






**Framelight MH:** A classic Metal Halide accent lighting solution for multiple retail, leisure and commercial applications. Fully adjustable  $\pm 45^{\circ}$  pivot on two axes. Single, double, triple and quadruple options available.

- Retention clamps allow quick and easy installation
- Framless kit available



	160 x 160 cutout	160 x 310 cutout	160 x 460 cutout	310 x 310 cutout
				
	195 x 195	350 x 195	500 x 195	350 x 350
Description	Framelight MH, Single	Framelight MH, Double	Framelight MH, Triple	Framelight MH, Quadruple
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamps Supplied)	Metal Halide, (830-Warm White Lamps Supplied)	Metal Halide, (830-Warm White Lamps Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12	G12
Beam	22°	22°	22°	22°
Lumens	1 x 3400lm	2 x 3400lm	3 x 3400lm	4 x 3400lm
Wattage	1 x 35W	2 x 35W	3 x 35W	4 x 35W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	1.81	3.62	5.23	5.64
Part Code <sup>[1]</sup>	DFD1035	DFD2035	DFD3035	DFD4035
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>
Control Gear <sup>[3]</sup>	/C/EL	/C/EL	/C/EL	/C/EL
Lamp <sup>[4]</sup>	/L	/L	/L	/L

	160 x 160 cutout	160 x 310 cutout	160 x 460 cutout	310 x 310 cutout
				
	195 x 195	350 x 195	500 x 195	350 x 350
Description	Framelight MH, Single	Framelight MH, Double	Framelight MH, Triple	Framelight MH, Quadruple
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamps Supplied)	Metal Halide, (830-Warm White Lamps Supplied)	Metal Halide, (830-Warm White Lamps Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12	G12
Beam	22°	22°	22°	22°
Lumens	1 x 5500lm	2 x 5500lm	3 x 5500lm	4 x 5500lm
Wattage	1 x 70W	2 x 70W	3 x 70W	4 x 70W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	1.93	3.86	5.59	6.12
Part Code <sup>[1]</sup>	DFD1070	DFD2070	DFD3070	DFD4070
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>	-WH <input type="checkbox"/> -SG <input type="checkbox"/>
Control Gear <sup>[3]</sup>	/C/EL	/C/EL	/C/EL	/C/EL
Lamp <sup>[4]</sup>	/L	/L	/L	/L

Accessories

Description	Plastering Kit to turn framelights into frameless downlights
Part Code <sup>[1]</sup>	FPB100

- For single Framelight, one plastering kit required. For double, triple & quadruple Framelights, two plastering kits required.



**Project 50:** A range of aluminium micro downlights where discreet application is required. An ideal solution for small retail displays, under cabinet and furniture applications.

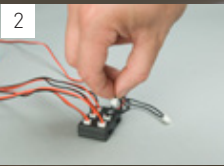
- Tension springs allow quick and easy installation
- Clean and unobtrusive design
- Three styles available



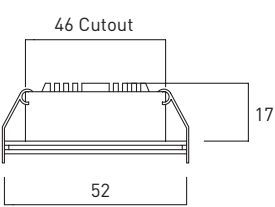
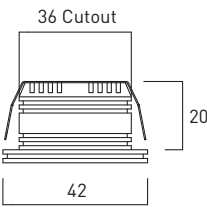
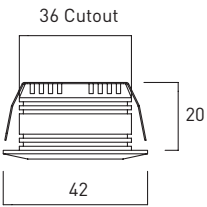
LED heads come pre-wired as standard



Easy plug and socket wiring



Plug-in power supply connection



Description	Project 50, Open	Project 50, Open	Project 50, Baffle
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Luxeon Star LED	Luxeon Star LED	Luxeon Star LED
Beam	12°	12°	12°
Lumens	253lm	210lm	253lm
Wattage	3W	3W	3W
Constant Current	700mA	700mA	700mA
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols			
Weight (kg)	0.04	0.04	0.05
Part Code <sup>[1]</sup>	D010312NW (6500k - Neutral White)	D010312WW (3200k - Warm White)	D020312NW (6500k - Neutral White)
Colour/Finish <sup>[2]</sup>	-AB ■	-AB ■	-AB ■

Description	Project 50, Baffle	Project 50, Gimble	Project 50, Gimble
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Luxeon Star LED	Luxeon Star LED	Luxeon Star LED
Beam	12°	12°	12°
Lumens	210lm	253lm	210lm
Wattage	3W	3W	3W
Constant Current	700mA	700mA	700mA
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols			
Weight (kg)	0.05	0.06	0.06
Part Code <sup>[1]</sup>	D020312WW (3200k - Warm White)	D030312NW (6500k - Neutral White)	D030312WW (3200k - Warm White)
Colour/Finish <sup>[2]</sup>	-AB ■	-AB ■	-AB ■

Power Supply

Description	Electronic Power Supply, Constant Current, 700mA, 3VA, 1-3W Max	Electronic Power Supply, Constant Current, 700mA, 12VA, 6-12W Max	Electronic Power Supply, Constant Current, 700mA, 18VA, 10-18W Max
Size (mm)*	55 x 20 x 39	168 x 39 x 30	153 x 31 x 67
Symbols			
Weight (kg)*	0.03	0.12	0.30
Part Code <sup>[1]</sup>	PSL03700	PSL12700	PSL18700

Splitter Block

Description	6 way extension, 700mA (1000mm lead) c/w 3 x PSP700	2 way extension, 700mA (1000mm lead)	Close-loop plug for 700mA
Symbols			
Part Code <sup>[1]</sup>	PSE6700(1000)	PSE2700(1000)	PSP700

- Refer to page 164 for further power supply information.

\* Specification subject to change.

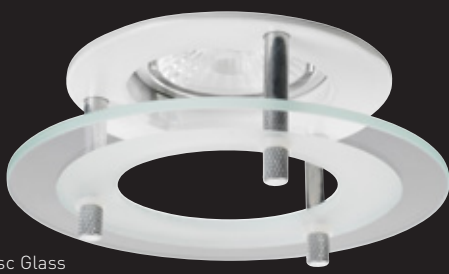


Project 85: A classic range of downlights, ideal for both highlighting and general lighting in retail, commercial and general interior applications.

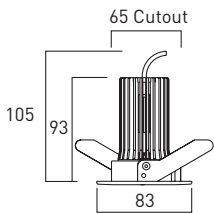
- Leaf-spring fixing for quick installation
- Dimmable options available
- LED options available
- Excellent colour rendering ≥ 85 CRI



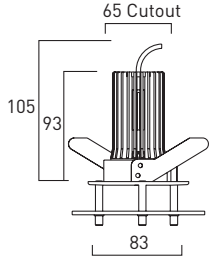
Open



Disc Glass



LED 2 Open



LED 2 Disc Glass

Project 85 LED 2		
Description	Project 85 LED 2	Project 85 LED 2
Light Source	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED
Beam	24°	38°
Lumens	1000lm	1000lm
Wattage	13W	13W
Voltage	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)
Symbols		
Weight (kg)	0.21	0.21
Part Code <sup>[1]</sup>	D1001024	D1001038
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG  (Open) -WH  -CH  -BN  (Disc Glass)	-WH  -BL  -SG  (Open) -WH  -CH  -BN  (Disc Glass)
Type <sup>[3]</sup>	Open (No Code Required) /G10 (Disc Glass)	Open (No Code Required) /G10 (Disc Glass)
Dimmable <sup>[4]</sup>	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)
Emergency <sup>[5]</sup>	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)
Colour Temperature <sup>[6]</sup>	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)

- Refer to page 170 for further dimming information.

- /DA Analogue Dimmable Ballast 1-10VDC
- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.

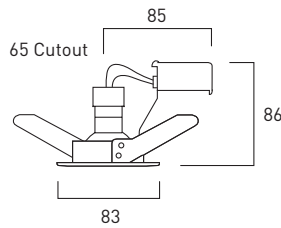
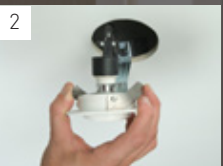
\* LED Leading Edge/Trailing Edge LED dimmers only.



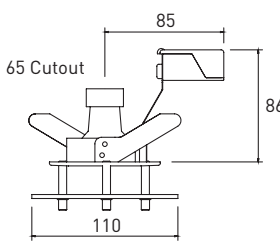
Leaf Springs for quick installation.



Leaf Springs provide secure fixing.



Open



Disc Glass

Project 85		
Description	Project 85	Project 85
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	PAR16	MR16
Lamp Base	GU10	GX5.3/GU5.3
Wattage	50W Max	50W Max
Voltage	240V	12V
Control Gear	-	Remote (Not Supplied)
Symbols		
Weight (kg)	0.16	0.15
Part Code <sup>[1]</sup>	D1010	D100X
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG  (Open) -WH  -CH  -BN  (Disc Glass)	-WH  -BL  -SG  (Open) -WH  -CH  -BN  (Disc Glass)
Type <sup>[3]</sup>	Open (No Code Required) /G10 (Disc Glass)	Open (No Code Required) /G10 (Disc Glass)

- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Refer to page 166 for further transformer information.



**Project 95:** A classic range of downlights, ideal for both highlighting and general lighting in retail, commercial and general interior applications.

- Gimbal ±30° pivot
- Dimmable options available
- LED options available
- Leaf-spring fixing for quick installation
- Excellent colour rendering ≥ 85 CRI



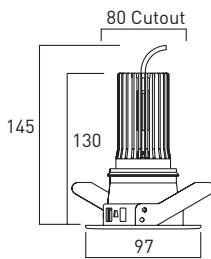
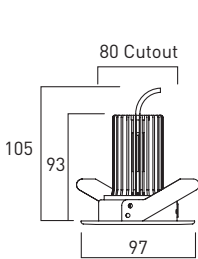
Gimbal



Black Baffle



Pinhole



Project 95 LED 2

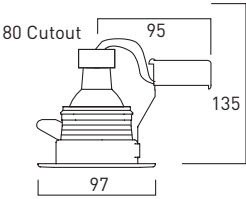
Description	Project 95 LED 2, Gimbal	Project 95 LED 2, Gimbal	Project 95 LED 2, Baffle	Project 95 LED 2, Baffle
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	1000lm	1000lm	1000lm	1000lm
Wattage	13W	13W	13W	13W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	0.25	0.25	0.28	0.28
Part Code <sup>[1]</sup>	D2251024	D2251038	D1201024	D1201038
Colour/Finish <sup>[2]</sup>	-WH  -BL	-WH  -BL	-WH	-WH
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)
Emergency <sup>[4]</sup>	-	-	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)
Colour Temp <sup>[5]</sup>	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.  
- /DA Analogue Dimmable Ballast 1-10VDC

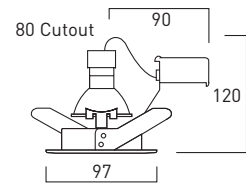
- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.  
\* LED Leading Edge/Trailing Edge LED dimmers only.







Project 95				
Description	Project 95, Gimbal	Project 95, Gimbal	Project 95, Black Baffle	Project 95, Black Baffle
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	PAR16	MR16	PAR16	MR16
Lamp Base	GU10	GX5.3/GU5.3	GU10	GX5.3/GU5.3
Wattage	50W Max	50W Max	50W Max	50W Max
Voltage	240V	12V	240V	12V
Control Gear	-	Remote (Not Supplied)	-	Remote (Not Supplied)
Symbols				
Weight (kg)	0.20	0.19	0.20	0.19
Part Code <sup>[1]</sup>	D1025	D225X	D1020	D120X
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>



Description	Project 95, Pinhole	Project 95, Pinhole
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	PAR16	MR16
Lamp Base	GU10	GX5.3/GU5.3
Wattage	50W Max	50W Max
Voltage	240V	12V
Control Gear	-	Remote (Not Supplied)
Symbols		
Weight (kg)	0.17	0.16
Part Code <sup>[1]</sup>	D1051	D251X
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/> -CH <input type="checkbox"/>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/> -CH <input type="checkbox"/>

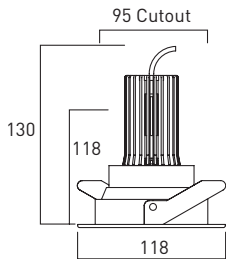
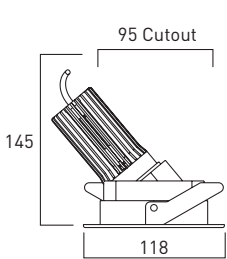
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Refer to page 166 for further transformer information.





**Project 115:** A classic range of downlights, ideal for both highlighting and general lighting in retail, commercial and general interior applications.

- Wallwash ±45° pivot, 355° rotation
- LED options available
- Excellent colour rendering ≥ 85 CRI
- White/Silver Cone & Black Baffle ±25° pivot
- Dimmable options available
- Leaf-spring fixing for quick installation



Project 115 LED 2				
Description	Project 115 LED 2, Wallwash LED (Built in)	Project 115 LED 2, Wallwash LED (Built in)	Project 115 LED 2, White Cone LED (Built in)	Project 115 LED 2, White Cone LED (Built in)
Light Source	CREE LED	CREE LED	CREE LED	CREE LED
Lamp Type	24°	38°	24°	38°
Beam	1000lm	1000lm	1000lm	1000lm
Lumens	13W	13W	13W	13W
Wattage	240V	240V	240V	240V
Voltage	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Control Gear				
Symbols	0.30	0.30	0.30	0.30
Weight (kg)	<b>D2531024</b>	<b>D2531038</b>	<b>D2551024</b>	<b>D2551038</b>
Part Code <sup>[1]</sup>	-WH  -BN  -CH	-WH  -BN  -CH	-WH	-WH
Colour/Finish <sup>[2]</sup>	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Dimmable <sup>[3]</sup>	/DD (DALI Dimmable)	/DD (DALI Dimmable)	/DD (DALI Dimmable)	/DD (DALI Dimmable)
	/DA (Analogue Dimmable)	/DA (Analogue Dimmable)	/DA (Analogue Dimmable)	/DA (Analogue Dimmable)
	/827 (2700k-Extra Warm White)	/827 (2700k-Extra Warm White)	/827 (2700k-Extra Warm White)	/827 (2700k-Extra Warm White)
Colour Temp <sup>[4]</sup>	/830 (3000k-Warm White)	/830 (3000k-Warm White)	/830 (3000k-Warm White)	/830 (3000k-Warm White)
	/840 (4000k-Neutral White)	/840 (4000k-Neutral White)	/840 (4000k-Neutral White)	/840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumina.co.uk](http://www.illumina.co.uk)

- Refer to page 170 for further dimming information.

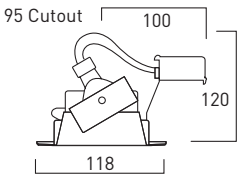
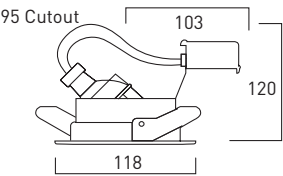
- /DA Analogue Dimmable Ballast 1-10VDC

- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.

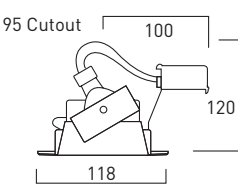
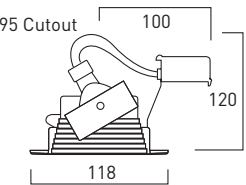
\* LED Leading Edge/Trailing Edge LED dimmers only.







Project 115				
Description	Project 115, Wallwash	Project 115, Wallwash	Project 115, White Cone	Project 115, White Cone
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	PAR16	MR16	PAR16	MR16
Lamp Base	GU10	GX5.3/GU5.3	GU10	GX5.3/GU5.3
Wattage	50W Max	50W Max	50W Max	50W Max
Voltage	240V	12V	240V	12V
Control Gear	-	Remote (Not Supplied)	-	Remote (Not Supplied)
Symbols				
Weight (kg)	0.28	0.29	0.24	0.23
Part Code <sup>[1]</sup>	D1053	D253X	D1055	D255X
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/> -CH <input type="checkbox"/>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/> -CH <input type="checkbox"/>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>



Description	Project 115, Black Baffle	Project 115, Black Baffle	Project 115, Silver Cone	Project 115, Silver Cone
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	PAR16	MR16	PAR16	MR16
Lamp Base	GU10	GX5.3/GU5.3	GU10	GX5.3/GU5.3
Wattage	50W Max	50W Max	50W Max	50W Max
Voltage	240V	12V	240V	12V
Control Gear	-	Remote (Not Supplied)	-	Remote (Not Supplied)
Symbols				
Weight (kg)	0.24	0.23	0.24	0.23
Part Code <sup>[1]</sup>	D1057	D257X	D1058	D258X
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BN <input checked="" type="checkbox"/>

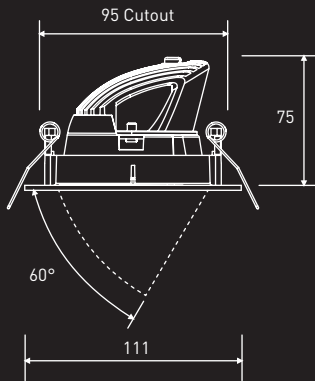
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.
- Refer to page 166 for further transformer information.





Arc 111 LED: The ideal built in LED solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable  $\pm 60^\circ$  pivot and  $355^\circ$  rotation
  - Easy orientation for accent applications
  - Tension springs provide quick installation
- Available in a variety of beam angles
  - Lower energy costs and reduced maintenance
  - Excellent colour rendering  $\geq 85$  CRI



Description	Arc 111 LED	Arc 111 LED
Light Source	LED (Built in)	LED (Built in)
Lamp Type	Bridgelux	Bridgelux
Beam	24°	36°
Lumens	800lm	800lm
Wattage	10W	10W
Voltage	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)
Symbols		
Weight (kg)	0.27	0.27
Part Code <sup>[1]</sup>	DA20824	DA20836
Colour/Finish <sup>[2]</sup>	-WH	-WH
Colour	/830 (3000k-Warm White)	/830 (3000k-Warm White)
Temperature <sup>[3]</sup>	/840 (4000k-Neutral White)	/840 (4000k-Neutral White)

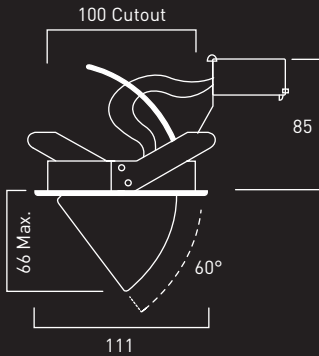
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)





Arc 111: The ideal solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable  $\pm 60^\circ$  pivot and  $355^\circ$  rotation
- Easy orientation for accent applications
- Tension springs provide quick installation
- Diecast aluminium housing pulls down for easy lamp change



Description	Arc 111
Light Source	Multi Source (Lamp Not Supplied)
Lamp Type	MR16
Lamp Base	GX5.3/GU5.3
Wattage	50W Max
Voltage	12V
Control Gear	Remote (Not Supplied)
Symbols	
Weight (kg)	0.27
Part Code <sup>[1]</sup>	D226X
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -CH <input type="checkbox"/> -BN <input checked="" type="checkbox"/> -SG <input type="checkbox"/>

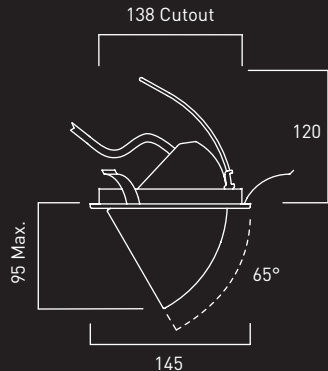
- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.  
- Refer to page 166 for further transformer information.





Arc 145 MH: The ideal Metal Halide solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable ±60° pivot and 355° rotation
  - Easy orientation for accent applications
  - Tension springs provide quick installation
- Available in a variety of beam angles
  - Sealed with toughened safety glass
  - Die cast Aluminium housing pulls down for lamp change



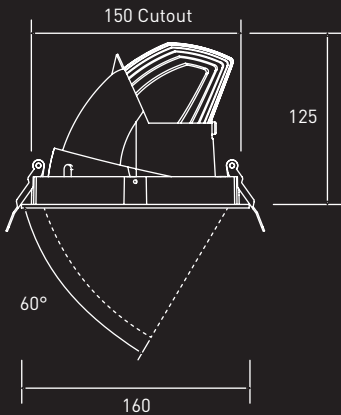
Description	Arc 145 MH	Arc 145 MH	Arc 145 MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-TC	CDM-TC	CDM-TC
Lamp Base	G8.5	G8.5	G8.5
Beam	20°	45°	20°
Lumens	1700lm	1700lm	3400lm
Wattage	20W	20W	35W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols	⊕	⊕	⊕
Weight (kg)	0.73	0.73	0.94
Part Code <sup>[1]</sup>	DHQMS020	DHQMFO20	DHQMS035
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □
Control Gear <sup>[3]</sup>	/C/EL	/C/EL	/C/EL
Lamp <sup>[4]</sup>	/L	/L	/L

Description	Arc 145 MH	Arc 145 MH	Arc 145 MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-TC	CDM-TC	CDM-TC
Lamp Base	G8.5	G8.5	G8.5
Beam	45°	20°	45°
Lumens	3400lm	6600lm	6600lm
Wattage	35W	70W	70W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols	⊕	⊕	⊕
Weight (kg)	0.94	1.06	1.06
Part Code <sup>[1]</sup>	DHQMFO35	DHQMS070	DHQMFO70
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □
Control Gear <sup>[3]</sup>	/C/EL	/C/EL	/C/EL
Lamp <sup>[4]</sup>	/L	/L	/L



Arc 160 LED: The ideal built in LED solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable  $\pm 60^\circ$  pivot and  $355^\circ$  rotation
- Easy orientation for accent applications
- Tension springs provide quick installation
- Lower energy costs and reduced maintenance
- Excellent colour rendering  $\geq 85$  CRI



Description	Arc 160 LED	Arc 160 LED
Light Source	LED (Built in)	LED (Built in)
Lamp Type	Bridgelux	Bridgelux
Beam	24°	36°
Lumens	2400lm	2400lm
Wattage	30W	30W
Voltage	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)
Symbols		
Weight (kg)	0.78	0.78
Part Code <sup>[1]</sup>	DA52424	DA52436
Colour/Finish <sup>[2]</sup>	-WH	-WH
Colour Temperature <sup>[3]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

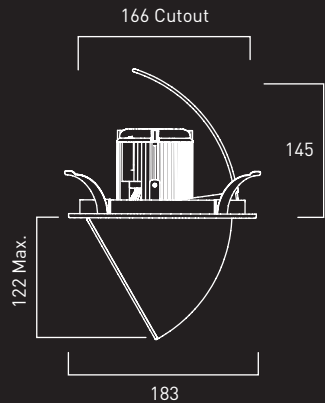
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)





Arc 183 LED: The ideal built in LED solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable ±60° pivot and 355° rotation
- Excellent colour rendering ≥ 85 CRI
- 2000lm/3000lm/3800lm/4500lm LED versions available
- Tension springs provide quick installation
- Available in 3000k, Crisp White ≥ 90 CRI
- DALI/Switch Dim options available



Description	Arc 183 LED	Arc 183 LED	Arc 183 LED	Arc 183 LED	Arc 183 LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°	24°
Lumens	2000lm	2000lm	3000lm	3000lm	3000lm
Wattage	22W (Warm White) 20W (Neutral White)	22W (Warm White) 20W (Neutral White)	33W (Warm White) 31W (Neutral White)	33W (Warm White) 31W (Neutral White)	34W
Voltage	240V	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols					
Weight (kg)	1.37	1.37	1.37	1.37	1.37
Part Code <sup>[1]</sup>	DLEDA63524	DLEDA63540	DLEDA63924	DLEDA63940	DLEDA63024
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Colour Temp <sup>[4]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/930C (3000k-Crisp White)

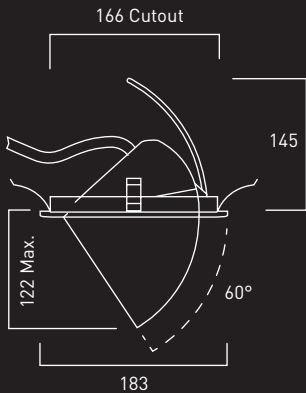
Description	Arc 183 LED	Arc 183 LED	Arc 183 LED	Arc 183 LED	Arc 183 LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	40°	24°	40°	24°	40°
Lumens	3000lm	3800lm	3800lm	4500lm	4500lm
Wattage	34W	42W	42W	52W	52W
Voltage	240V	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols					
Weight (kg)	1.37	1.37	1.37	1.37	1.37
Part Code <sup>[1]</sup>	DLEDA63040	DLEDA63824	DLEDA63840	DLEDA64524	DLEDA64540
Colour/Finish <sup>[2]</sup>	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG	-WH  -BL  -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Colour Temp <sup>[4]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.



Arc 183 MH: The ideal Metal Halide solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable ±60° pivot and 355° rotation
- Easy orientation for accent applications
- Tension springs provide quick installation
- Available in a variety of beam angles
- Sealed with toughened safety glass
- Die cast Aluminium housing pulls down for lamp change



Description	Arc 183 MH	Arc 183 MH	Arc 183 MH	Arc 183 MH
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)
Lamp Type	CDM-T	CDM-T	CDM-T	CDM-T
Lamp Base	G12	G12	G12	G12
Beam	24°	45°	24°	45°
Lumens	3400lm	3400lm	6600lm	6600lm
Wattage	35W	35W	70W	70W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols	⊕	⊕	⊕	⊕
Weight (kg)	1.21	1.21	1.33	1.33
Part Code <sup>[1]</sup>	DHQAS035	DHQAF035	DHQAS070	DHQAF070
Colour/Finish <sup>[2]</sup>	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □	-WH □ -BL ■ -SG □
Control Gear <sup>[3]</sup>	/C/EL	/C/EL	/C/EL	/C/EL
Lamp <sup>[4]</sup>	/L	/L	/L	/L





Arc 200 LED: The ideal built in LED solution for retail, leisure and commercial applications, where the illumination of a vertical surface is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable  $\pm 60^\circ$  pivot and  $355^\circ$  rotation
- Easy orientation for accent applications
- Tension springs provide quick installation
- Lower energy costs and reduced maintenance
- Excellent colour rendering  $\geq 85$  CRI



Description	Arc 200 LED	Arc 200 LED
Light Source	LED (Built in)	LED (Built in)
Lamp Type	Bridgelux	Bridgelux
Beam	24°	36°
Lumens	4000lm	4000lm
Wattage	46W	46W
Voltage	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)
Symbols		
Weight (kg)	1.20	1.20
Part Code <sup>[1]</sup>	DA64024	DA64036
Colour/Finish <sup>[2]</sup>	-WH	-WH
Colour Temperature <sup>[3]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

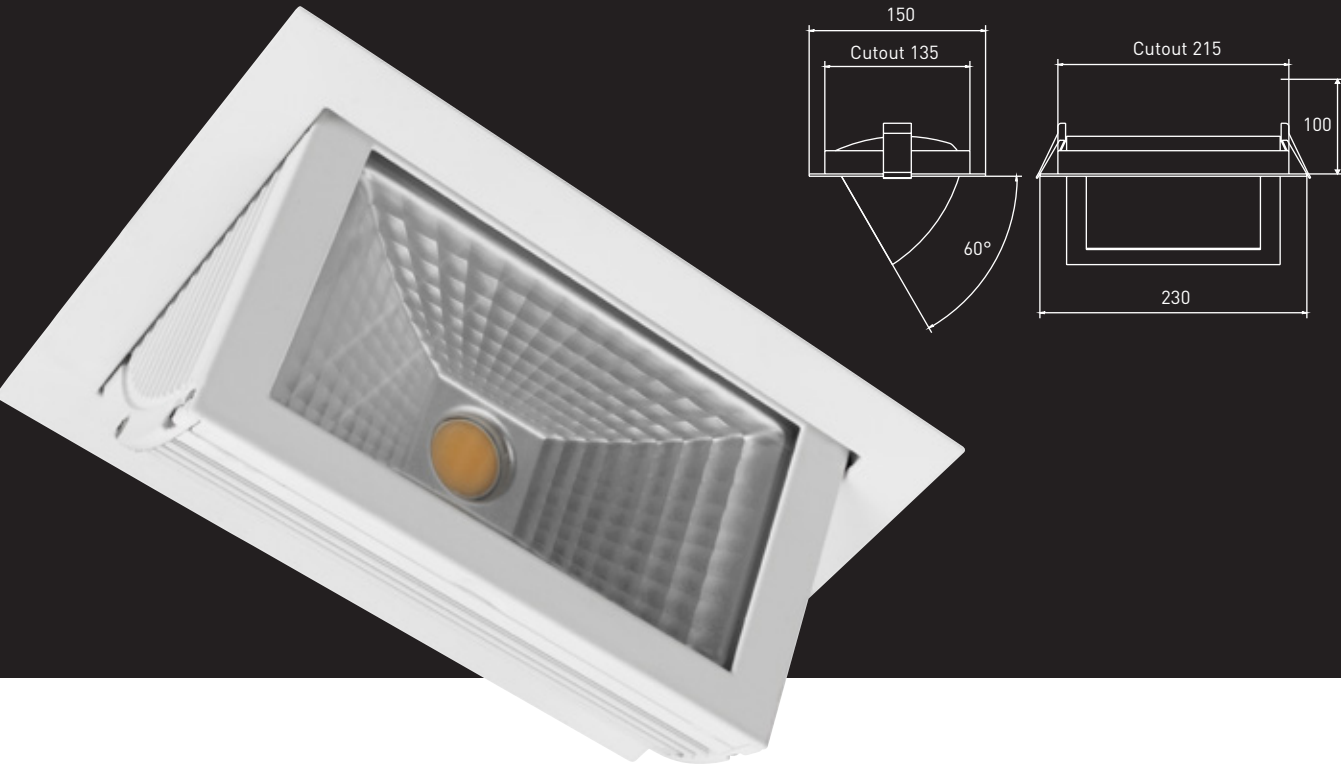
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)





Wallwash LED: A versatile built in LED wall washer with excellent colour rendering. Ideal for the even illumination of vertical surfaces and displays. Fully adjustable body provides a truly flexible solution.

- Wide uniform beam for optimum light output
- 3,000 lumens
- Fully adjustable  $\pm 60^\circ$  pivot
- Excellent colour rendering  $\geq 85$  CRI



Description	Wallwash LED
Light Source	LED (Built in)
Lamp Type	Epistar
Beam	70° x 110°
Lumens	3000lm
Wattage	42W
Voltage	240V
Control Gear	Remote (Supplied)
Symbols	
Weight (kg)	1.60
Part Code <sup>[1]</sup>	D730110
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>
Colour	/830 (3000k-Warm White)
Temperature <sup>[3]</sup>	/840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)





Twizzle LED: A contemporary built in LED solution ideal for retail, leisure and commercial applications, where a discrete illumination is required. Fully adjustable body provides a truly flexible solution.

- Fully adjustable  $\pm 50^{\circ}$  pivot and  $355^{\circ}$  rotation
- LED Leading Edge/Trailing Edge Dimmable as standard
- Excellent colour rendering  $\geq 85$  CRI



Description	Twizzle LED	
Light Source	LED (Built in)	
Lamp Type	CREE LED	
Beam	24°	40°
Lumens	800lm	800lm
Wattage	9W	9W
Voltage	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)
Symbols		
Weight (kg)	0.43	0.43
Part Code <sup>[1]</sup>	D1024	
Colour/Finish <sup>[2]</sup>	-WH  -BL	
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED)	
Colour	/830 (3000k-Warm White)	
Temperature <sup>[4]</sup>	/840 (4000k-Neutral White)	

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.

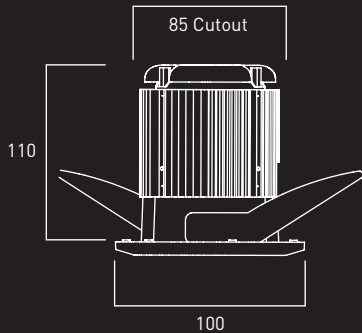
- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.  
\* LED Leading Edge/Trailing Edge LED dimmers only.





Highlux 100 LED: LED downlight range, ideal for retail, leisure and commercial applications with a high output of 90+ lumens per watt and an IP44 rating.

- DALI/Switch Dim options available
  - Available in 3000k, Crisp White ≥ 90 CRI
- Long lamp life of up to 50,000 hours
  - Lower energy cost and reduced maintenance
- Excellent colour rendering ≥ 85 CRI
  - High output of up to 4,500 lumens



Description	Highlux 100 LED	Highlux 100 LED	Highlux 100 LED	Highlux 100 LED	Highlux 100 LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	24°	40°	24°	40°	24°
Lumens	2000lm	2000lm	3000lm	3000lm	3000lm
Wattage	22W (Warm White) 20W (Neutral White)	22W (Warm White) 20W (Neutral White)	33W (Warm White) 31W (Neutral White)	33W (Warm White) 31W (Neutral White)	34W
Voltage	240V	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols					
Weight (kg)	0.77	0.77	0.77	0.77	0.77
Part Code <sup>[1]</sup>	DLED535241	DLED535401	DLED539241	DLED539401	DLED530241
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Emergency <sup>[4]</sup>	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)
Colour Temperature <sup>[5]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/930C (3000k-Crisp White)

Description	Highlux 100 LED	Highlux 100 LED	Highlux 100 LED	Highlux 100 LED	Highlux 100 LED
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM	Philips Fortimo SLM
Beam	40°	24°	40°	24°	40°
Lumens	3000lm	3800lm	3800lm	4500lm	4500lm
Wattage	34W	42W	42W	52W	52W
Voltage	240V	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols					
Weight (kg)	0.77	0.77	0.77	0.77	0.77
Part Code <sup>[1]</sup>	DLED530401	DLED538241	DLED538401	DLED545241	DLED545401
Colour/Finish <sup>[2]</sup>	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG	-WH  -SG
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Emergency <sup>[4]</sup>	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)
Colour Temperature <sup>[5]</sup>	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/930C (3000k-Crisp White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)





- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.



**Lightseal LED:** An IP65 rated moisture and particle ingress protection downlight with an ultra thin profile, ideal for installations that require a shallow ceiling solution.

- Dimmable options available
- IP65 rated
- Tension springs allow for quick installation
- Opal lens with ultra thin profile



Description	Lightseal LED
Light Source	LED (Built in)
Lamp Type	Samsung LED
Beam	110°
Lumens	1500lm
Wattage	24W (Warm White) 23W (Neutral White)
Voltage	240V
Control Gear	Remote (Supplied)
Symbols	   
Weight (kg)	1.09
Part Code <sup>[1]</sup>	DLED85241
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable) /ELDA (Analogue Dimmable)
Emergency <sup>[4]</sup>	None (No Code Required) E (Emergency)
Colour Temperature <sup>[5]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)

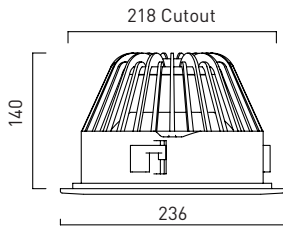
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.  
- /ELDA Analogue Dimmable Ballast 1-10VDC



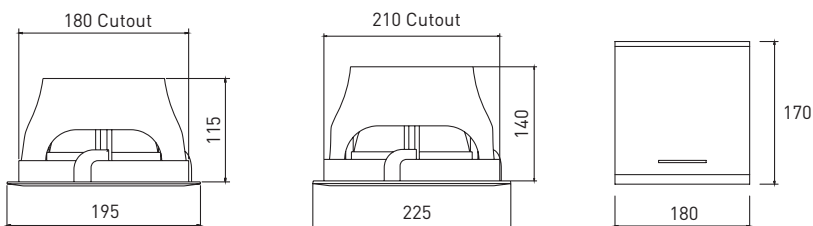


Twinlux LED: A high output LED downlight range, providing versatility for retail, leisure and commercial applications

- Excellent colour rendering ≥ 85 CRI
- DALI/Switch Dim options available
- Low glare options available
- Emergency versions available



Description	Twinlux LED, Clear Glass	Twinlux LED, Semi Frosted Glass	Twinlux LED, Clear Glass	Twinlux LED, Semi Frosted Glass
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo DLM	Philips Fortimo DLM	Philips Fortimo DLM	Philips Fortimo DLM
Beam	88°	88°	88°	88°
Lumens	2000lm	2000lm	3000lm	3000lm
Wattage	26W (Warm White) 25W (Neutral White)	26W (Warm White) 25W (Neutral White)	39W (Warm White) 36W (Neutral White)	39W (Warm White) 36W (Neutral White)
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	1.75	1.75	1.75	1.75
Part Code <sup>[1]</sup>	DLED88200	DLED88202	DLED88300	DLED88302
Colour/Finish <sup>[2]</sup>	-WH	-WH	-WH	-WH
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Emergency <sup>[4]</sup>	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)
Colour Temperature <sup>[5]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)



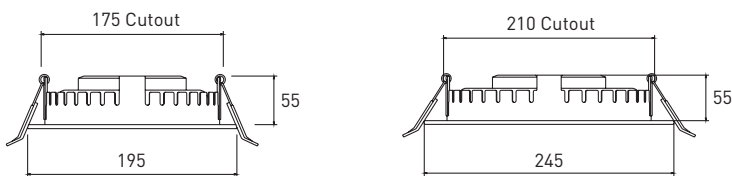
Description	Twinlux LED, Low Glare	Twinlux LED, Low Glare	Twinlux LED, Surface Can
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Philips Fortimo SLM	Philips Fortimo SLM	CREE LED
Beam	60°	70°	40°
Lumens	3000lm	4500lm	2000lm
Wattage	33W (Warm White) 31W (Neutral White)	52W	26W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Integral
Symbols			
Weight (kg)	0.80	1.20	2.10
Part Code <sup>[1]</sup>	D6830	D7845	DS2040
Colour/Finish <sup>[2]</sup>	-WH	-WH	-WH
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Emergency <sup>[4]</sup>	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	-
Colour Temperature <sup>[5]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.



Spira LED: An innovative IP44 rated LED downlight range for recessed mounting. Ultra thin profile, ideal for installations that require a shallow ceiling solution.

- Slim profile
- Leading/Trailing Edge LED dimmable as standard
- Tension springs provide quick installation
- Excellent colour rendering ≥ 85 CRI



Description	Spira LED, Mini	Spira LED, Maxi
Light Source	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED
Beam	120°	90°
Lumens	1200lm	2000lm
Wattage	15W	22W
Voltage	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)
Symbols		
Weight (kg)	0.65	0.80
Part Code <sup>[1]</sup>	DZ112	DZ220
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED)	/DL (*Leading Edge/Trailing Edge LED)
Colour	/830 (3000k-Warm White)	/830 (3000k-Warm White)
Temperature <sup>[4]</sup>	/840 (4000k-Neutral White)	/840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.  
- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.  
\* LED Leading Edge/Trailing Edge LED dimmers only.





Opaz: An innovative range of downlights for surface mounting or recessed applications. Ideal for providing soft ambient lighting in a variety of environments.

- Dimmable options available
  - Emergency options available
- Quick-fit ceiling clamps
  - Excellent colour rendering ≥ 85 CRI
- LED options available



Opaz LED		
Description	Opaz LED	Opaz LED
Light Source	LED (Built in)	LED (Built in)
Lamp Type	Nichia LED (Outer) + Philips Fortimo SLM (Inner)	Nichia LED (Outer) + Philips Fortimo SLM (Inner)
Beam	40° (Inner)	40° (Inner)
Lumens	900lm (Outer) + 2000lm (Inner)	900lm (Outer) + 3000lm (Inner)
Wattage	11W (Outer) + 22W (Inner)	11W (Outer) + 36W (Inner)
Voltage	240V	240V
Control Gear	Integral	Integral
Symbols		
Weight (kg)	2.50	2.50
Part Code <sup>[1]</sup>	DZ320	DZ330
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)
Emergency <sup>[4]</sup>	None (No Code Required) /E (Remote Emergency)	None (No Code Required) /E (Remote Emergency)
Colour Temperature <sup>[5]</sup>	/830 (3000k-Warm White) /840 (4000k-Neutral White)	/830 (3000k-Warm White) /840 (4000k-Neutral White)



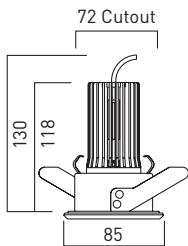
Opaz		
Description	Opaz CFL	Opaz MH
Light Source	Fluorescent (Lamps Not Supplied)	Metal Halide (Inner Lamp Supplied)
Lamp Type	T5C (Outer Lamp) + TC-TEL (Inner Lamp)	T5C (Outer Lamp) + CDM-T (Inner Lamp)
Lamp Base	2XG13 (Outer Lamp) + GX24q-3 (Inner Lamp)	2XG13 (Outer Lamp) + G12 (Inner Lamp)
Wattage	22W (Outer Lamp) + 26W (Inner Lamp)	22W (Outer Lamp) + 35W (Inner Lamp)
Voltage	240V	240V
Control Gear	Integral	Integral
Symbols		
Weight (kg)	2.10	2.70
Part Code <sup>[1]</sup>	DZ3TT226/EL	DZ3CT235/EL
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Dimmable <sup>[3]</sup>	None (No Code Required) /ELDD (DALI Dimmable/ Switch Dim)	-
Emergency <sup>[4]</sup>	None (No Code Required) /E (Remote Emergency)	None (No Code Required) /E (Remote Emergency)

- Opaz requires a 1 x 22W T5C long life compact lamp, which sits inside the external diffuser ring. There is then a choice of two central lamp types.
  - All metal halide options are supplied complete with lamp, however the compact fluorescent lamps are not supplied and need to be bought separately.
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)
  - Refer to page 170 for further dimming information.
  - Dimmable versions are supplied with remote control gear.
  - Single or dual lamp dimmable option requires specifying prior to purchase.



Proseal: IP65 miniature, diecast aluminium downlights, ideal for wet and humid environments, such as hotel showers and bathrooms, kitchens and exterior soffits.

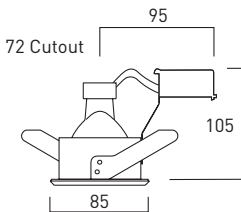
- Leaf-spring fixing for quick installation
- Clear or frosted glass options available
- LED options available
- Excellent colour rendering  $\geq 85$  CRI
- IP65 rated



Proseal LED 2				
Description	Proseal LED 2, Clear	Proseal LED 2, Clear	Proseal LED 2, Frosted	Proseal LED 2, Frosted
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED	CREE LED	CREE LED
Beam	24°	38°	24°	38°
Lumens	1000lm	1000lm	1000lm	1000lm
Wattage	13W	13W	13W	13W
Voltage	240V	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols				
Weight (kg)	0.30	0.30	0.30	0.30
Part Code <sup>[1]</sup>	D1801024	D1801038	D1811024	D1811038
Colour/Finish <sup>[2]</sup>	-WH  -BN  -CH	-WH  -BN  -CH	-WH  -BN  -CH	-WH  -BN  -CH
Dimmable <sup>[3]</sup>	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)	/DL (*Leading Edge/Trailing Edge LED) /DD (DALI Dimmable) /DA (Analogue Dimmable)
Emergency <sup>[4]</sup>	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)	None (No Code Required) /E (Emergency)
Colour Temp <sup>[5]</sup>	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)	/827 (2700k-Extra Warm White) /830 (3000k-Warm White) /840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)  
- Refer to page 170 for further dimming information.  
- /DA Analogue Dimmable Ballast 1-10VDC

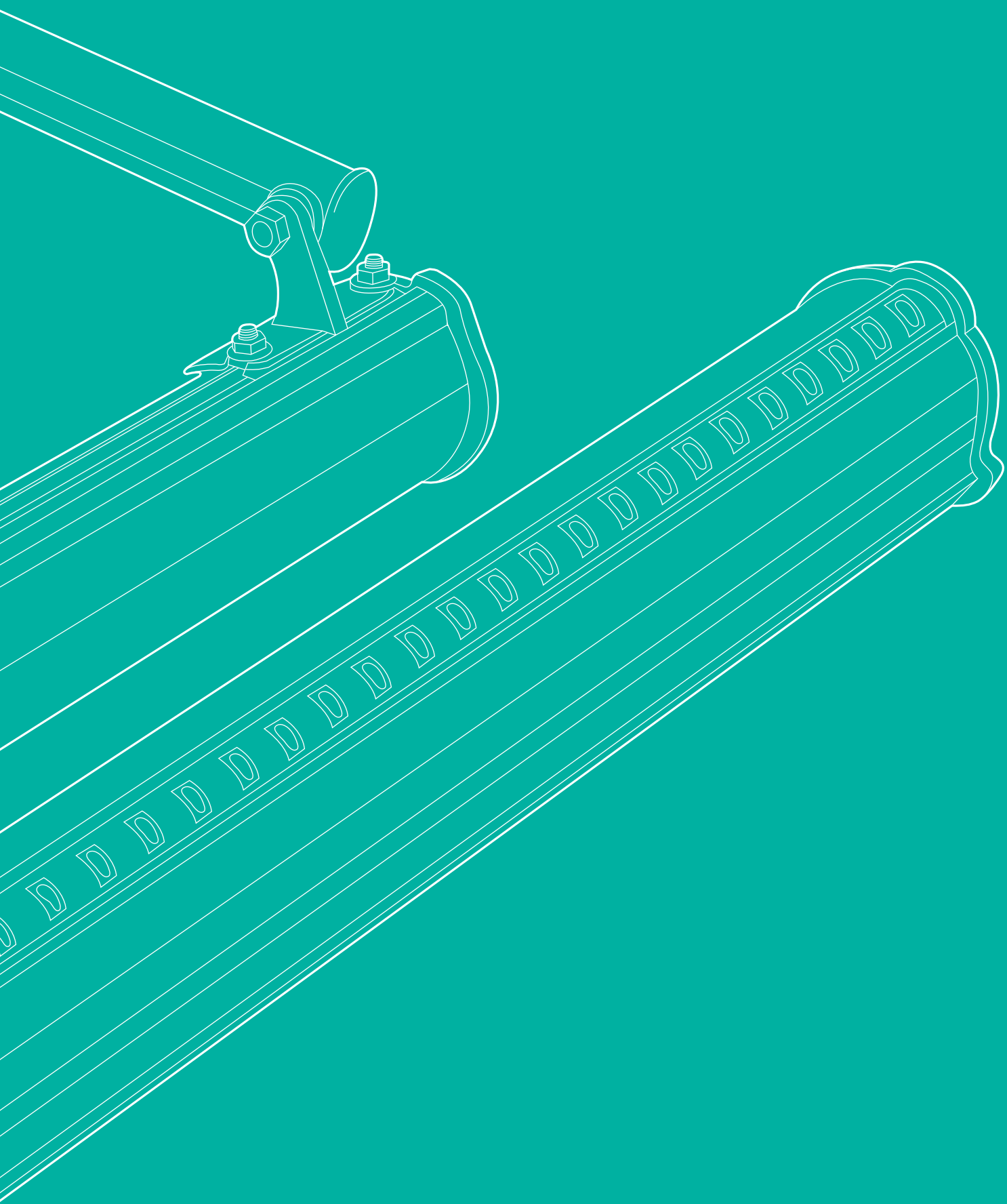
- Dimming LED systems are complex. Please check compatibility of dimmer with the dimmer manufacturer before purchase.  
\* LED Leading Edge/Trailing Edge LED dimmers only.



Proseal				
Description	Proseal, Clear	Proseal, Clear	Proseal, Frosted	Proseal, Frosted
Light Source	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)	Multi Source (Lamp Not Supplied)
Lamp Type	PAR16	MR16	PAR16	MR16
Lamp Base	GU10	GX5.3/GU5.3	GU10	GX5.3/GU5.3
Wattage	50W Max	50W Max	50W Max	50W Max
Voltage	240V	12V	240V	12V
Control Gear	-	Remote (Not supplied)	-	Remote (Not supplied)
Symbols				
Weight (kg)	0.31	0.30	0.31	0.30
Part Code <sup>[1]</sup>	D1080	D180X	D1081	D181X
Colour/Finish <sup>[2]</sup>	-WH  -CH  -BN	-WH  -CH  -BN	-WH  -CH  -BN	-WH  -CH  -BN



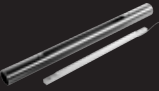




- If selecting your own retrofit LED lamp, please check compatibility prior to purchase.  
- Refer to page 166 for further transformer information.





illumina feature

A pioneering range of stylish feature solutions, ideal for environments requiring mood and feature lighting.

126	128	130	132
			
Covert	Conceal	Pathfinder	Camino / Via
	134	136	138
			
	Signed	Lumaseal LED	Lumaseal



**illumina** feature

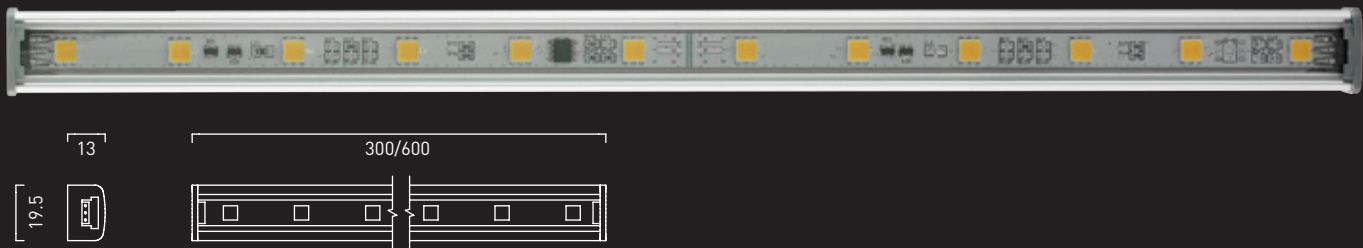
Feature lighting extends beyond ambient and accent lighting to accentuate desired characteristics, create mood or orientation functions. Feature lighting provides an array of solutions for many diverse applications.





**Covert:** A flexible LED system which connects to make up continuous runs. Ultra thin profile available in two different colour temperatures.





- Built in LED driver circuit for stable and uniform light output
- Max 40W per run
- No UV/IR, low heat and long lifetime
- Wide range of accessories










Striplight				
Description	Covert, 24V, 300mm, inc 2 x LEDSMC1-SS	Covert, 24V, 300mm, inc 2 x LEDSMC1-SS	Covert, 24V, 600mm, inc 2 x LEDSMC1-SS	Covert, 24V, 600mm, inc 2 x LEDSMC1-SS
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Epistar LED	Epistar LED	Epistar LED	Epistar LED
Beam	120°	120°	120°	120°
Lumens	300lm	300lm	600lm	600lm
Wattage	5W	5W	10W	10W
Voltage	24VDC	24VDC	24VDC	24VDC
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols				
Weight (kg)	0.08	0.08	0.17	0.17
Part Code <sup>[1]</sup>	LEDS3005	LEDS3005	LEDS6010	LEDS6010
Colour	WW (3200k-Warm White)	NW (4000k-Neutral White)	WW (3200k-Warm White)	NW (4000k-Neutral White)
Temperature <sup>[2]</sup>				
Lens <sup>[3]</sup>	120 (Clear)	120 (Clear)	120 (Clear)	120 (Clear)
Colour/Finish <sup>[4]</sup>	-AL	-AL	-AL	-AL

Power Supply	
Description	Electronic Power Supply, 24VDC 20VA, 1-20W Constant Voltage
Size (mm)	110 x 52 x 24
Symbols	
Weight (kg)	0.12
Part Code <sup>[1]</sup>	LEDPSU24020
Description	Electronic Power Supply, 24VDC 100VA, 1-100W Constant Voltage
Size (mm)	180 x 90 x 35
Symbols	
Weight (kg)	0.45
Part Code <sup>[1]</sup>	LEDPSU24100

- Refer to page 164 for further power supply information.

Accessories				
   				
Description	Live End Standard, 500mm (Not for use with LEDSTD or LEDSPIR)	End to End Connector	End to End Connector Locking Clip	Flexible Connector, 250mm
Symbols			-	
Part Code <sup>[1]</sup>	LEDS38500	LEDS23	LEDS23LC	LEDS250
Colour/Finish <sup>[2]</sup>	-BL	-BL	-SS	-BL

   				
Description	Flexible Connector, 1000mm	Flexible Connector Joiner	0° Clip, (Flat Installation)	45° Clip, (45° Angle Installation)
Symbols			-	-
Part Code <sup>[1]</sup>	LEDS1000	LEDSCC	LEDSMC1	LEDSMC2
Colour/Finish <sup>[2]</sup>	-BL	-BL	-SS	-SS

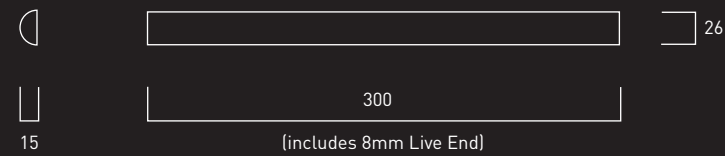
  				
Description	270° Movable Clip, (Rotatable Angle Installations)	Mini Touch Dimmer, c/w Live End Cable*	Mini PIR Motion Sensor, c/w Live Ends*	
Symbols	-			
Part Code <sup>[1]</sup>	LEDSMC3	LEDSTD	LEDSPIR	
Colour/Finish <sup>[2]</sup>	-SS	-AL	-AL	

\* The Mini Touch Dimmer and Mini PIR Motion Sensor cannot be used in conjunction with each other.



**Conceal:** A low profile LED system which connects to make up continuous runs. Ideal for feature lighting in retail and leisure interiors.

- Excellent colour rendering ≥ 85 CRI
- Wide range of accessories



Striplight				
Description	Conceal, 24V, 300mm	Conceal, 24V, 300mm	Conceal, 24V, 300mm	Conceal, 24V, 300mm
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Nichia LED	Nichia LED	Nichia LED	Nichia LED
Beam	120°	120°	120°	120°
Lumens	210lm	264lm	210lm	264lm
Wattage	6W	6W	6W	6W
Voltage	24VDC	24VDC	24VDC	24VDC
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols				
Weight (kg)	0.09	0.09	0.09	0.09
Part Code <sup>[1]</sup>	LEDS304	LEDS304	LEDS304	LEDS304
Colour	WW (3200k-Warm White)	NW (6000k-Neutral White)	WW (3200k-Warm White)	NW (6000k-Neutral White)
Temperature <sup>[2]</sup>				
Lens <sup>[3]</sup>	120 (Clear)	120 (Clear)	FR (Frosted)	FR (Frosted)
Colour/Finish <sup>[4]</sup>	-AL	-AL	-AL	-AL

Power Supply	
Description	Electronic Power Supply, 24VDC 20VA, 1-20w Constant Voltage
Size (mm)	110 x 52 x 24
Symbols	
Weight (kg)	0.12
Part Code <sup>[1]</sup>	LEDPSU24020
Description	Electronic Power Supply, 24VDC 100VA, 1-100w Constant Voltage
Size (mm)	180 x 90 x 35
Symbols	
Weight (kg)	0.45
Part Code <sup>[1]</sup>	LEDPSU24100

- Refer to page 164 for further power supply information.



Accessories			
Description	Live End Cable, 3000mm	Dead End	End to End Connector
Symbols			
Part Code <sup>[1]</sup>	LEDS38(3000)	LEDSDE	LEDS23
Colour/Finish <sup>[2]</sup>	-GY	-GY	-GY

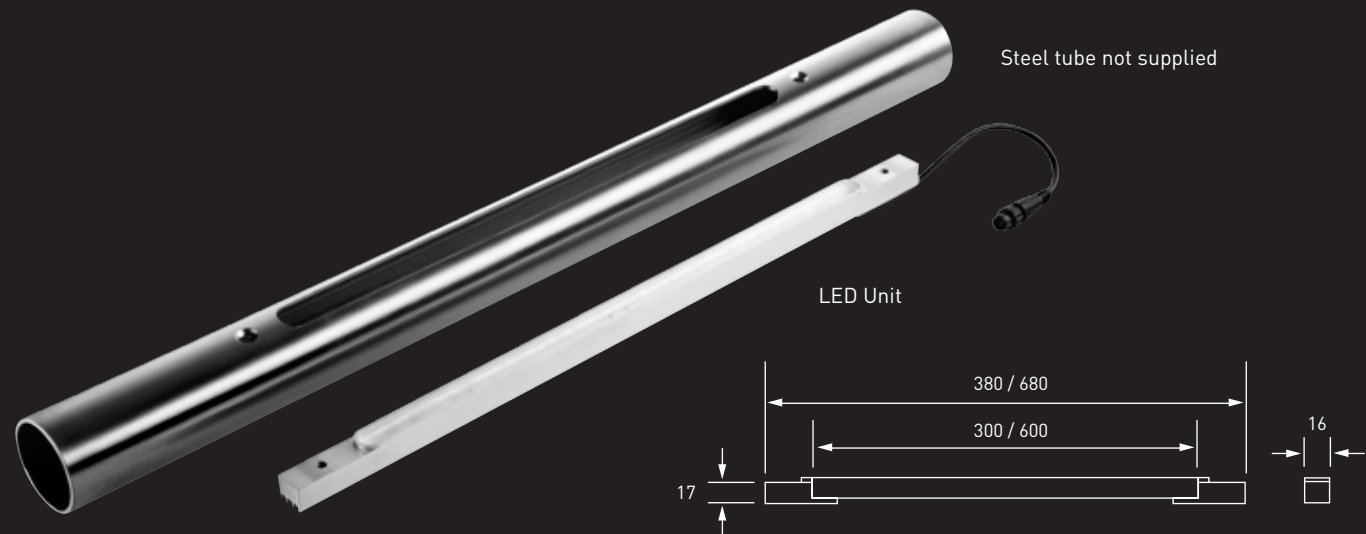
Description	Flexible Connector, 65mm
Symbols	
Part Code <sup>[1]</sup>	LEDS20
Colour/Finish <sup>[2]</sup>	-GY
Description	Flexible Connector, 1000m
Symbols	
Part Code <sup>[1]</sup>	LEDS20(1000)
Colour/Finish <sup>[2]</sup>	-GY

- You will require one power supply, one Live End Cable and one Dead End per run.



**Pathfinder:** A unique system designed for incorporation into long runs of hand rail or tubular profiles where positioning power supplies at regular intervals is not viable or practical.

- Continuous runs of up to 150m can be powered by one transformer
- Full range of installation accessories
- Available in two lengths
- IP64 rating



Striplight				
Description	Pathfinder LED Unit, 380mm c/w Male Plug & Flex Power Entry - IP64	Pathfinder LED Unit, 380mm c/w Male Plug & Flex Power Entry - IP64	Pathfinder LED Unit, 680mm c/w Male Plug & Flex Power Entry - IP64	Pathfinder LED Unit, 680mm c/w Male Plug & Flex Power Entry - IP64
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Luxeon LED	Luxeon LED	Luxeon LED	Luxeon LED
Lumens	WW (Warm White) - 251	NW (Neutral White) - 261	WW (Warm White) - 251	NW (Neutral White) - 261
Wattage	4.5W	4.5W	9W	9W
Voltage	24VDC	24VDC	24VDC	24VDC
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols				
Weight (kg)	0.19	0.19	0.40	0.40
Part Code <sup>[1]</sup>	HL45	HL45	HL79	HL79
Colour Temperature <sup>[2]</sup>	WW (Warm White)	NW (Neutral White)	WW (Warm White)	NW (Neutral White)
Colour/Finish <sup>[3]</sup>	-AL	-AL	-AL	-AL

Power Supply				
Description	Electronic Power Supply, 24VDC, 20VA, 1-20w Constant Voltage	Electronic Power Supply, 24VDC, 60VA, 1-20W Constant Voltage	Electronic Power Supply, 24VDC, 100VA, 1-100W Constant Voltage	Electronic Power Supply, 24VDC, 240VA, 1-20W Constant Voltage
Size (mm)	110 x 52 x 24	*-	180 x 90 x 35	*-
Symbols		*-		*-
Weight (kg)	0.12	*-	0.45	*-
Part Code <sup>[1]</sup>	LEDPSU24020	LEDPSU24060	LEDPSU24100	LEDPSU24240

\* Due to changes in power supply specifications, information cannot be provided.

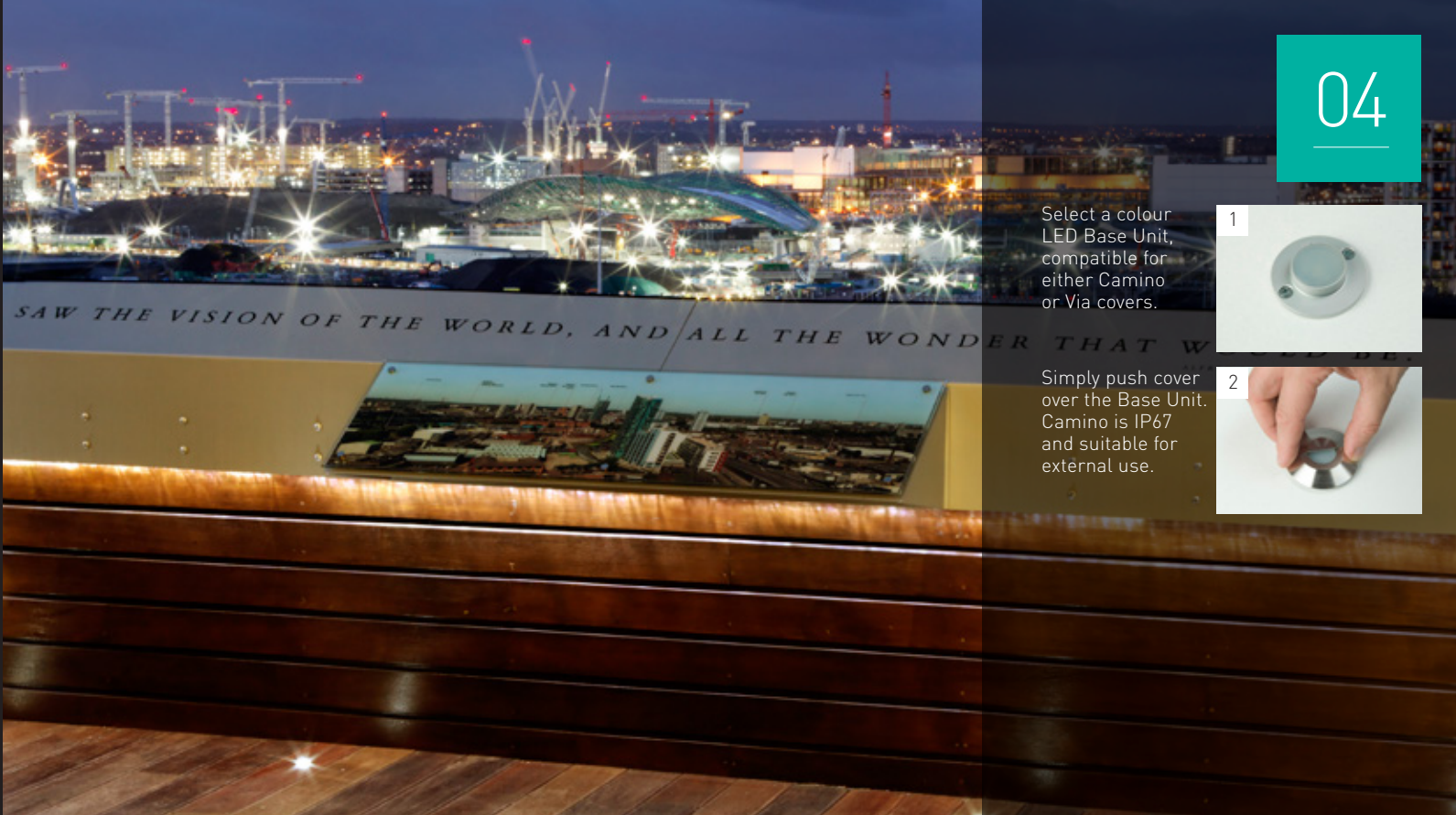
Accessories			
Description	Female IP64 Connector & Lead	Pair of Snake Eye Anti-Tamper Screws	Snake Eye Anti-Tamper Bit
Symbols		-	-
Part Code <sup>[1]</sup>	HLF001	HLATSM5	HLATSBIT

- Each LED unit requires two anti-tamper screws and a female connector.
- Refer to page 164 for further power supply information.



Camino / Via: An unobtrusive series of lighting modules which can be used for orientation and decorative lighting purposes.

- Prismatic lens
  - Constant voltage
  - IP67 rated
- Integral LED driver
  - High reliability drive circuit
  - Shallow depth
- Surface and recessed options
  - Camino versions suitable for exterior use

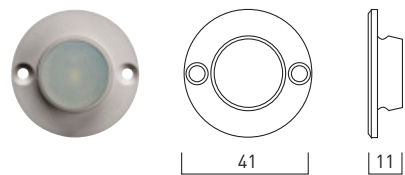


Select a colour LED Base Unit, compatible for either Camino or Via covers.

Simply push cover over the Base Unit. Camino is IP67 and suitable for external use.



Step 1: Choose a Camino/Via Base Unit

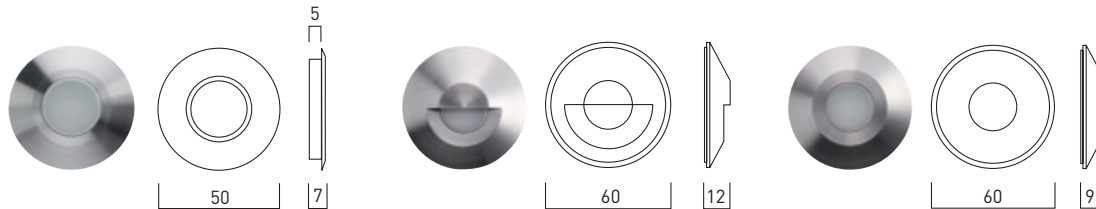


Description	Camino/Via Base Unit - IP67	Camino/Via Base Unit - IP67	Camino/Via Base Unit - IP67
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Luxeon LED	Luxeon LED	Luxeon LED
Lumens	106lm	120lm	40lm
Wattage	1.2W	1.2W	1.2W
Voltage	24VDC	24VDC	24VDC
Power Supply	Remote (Not Supplied)	Remote (Not Supplied)	Remote (Not Supplied)
Symbols			
Weight (kg)	0.02	0.02	0.02
Part Code <sup>[1]</sup>	LED21	LED21	LED21
Colour Temperature <sup>[2]</sup>	WW (Warm White)	NW (Neutral White)	BL (Blue)
Beam <sup>[3]</sup>	120	120	120
Colour/Finish <sup>[4]</sup>	-AL	-AL	-AL

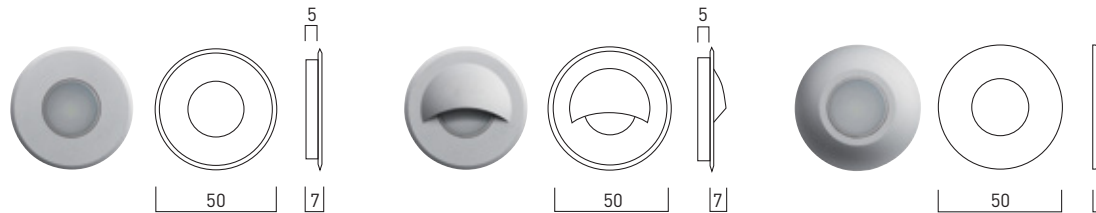
Power Supply

Description	Electronic Power Supply, 24VDC 20VA, 1-20W Constant Voltage	Electronic Power Supply, 24VDC 100VA, 1-100W Constant Voltage
Size (mm)	110 x 52 x 24	180 x 90 x 35
Symbols		
Weight (kg)	0.12	0.45
Part Code <sup>[1]</sup>	LEDPSU24020 (5 units max)	LEDPSU24100 (20 units max)

Step 2: Choose a Camino/Via Cover



Description	Camino Flat Cover, IP67, Marine Grade Steel - 316L (Wall/Recessed/In-Ground)	Camino Step Cover, IP67, Marine Grade Steel - 316L (Wall)	Camino Cone Cover, IP67, Marine Grade Steel - 316L (Wall)
Weight (kg)	0.10	0.12	0.10
Part Code <sup>[1]</sup>	LED2FLAT	LED2STEP	LED2CONE
Colour/Finish <sup>[2]</sup>	-SS	-SS	-SS



Description	Via Flush Cover	Via Eyelid Cover	Via Dome Cover
Weight (kg)	0.02	0.02	0.02
Part Code <sup>[1]</sup>	LED2FLUSH	LED2EYELID	LED2DOME
Colour/Finish <sup>[2]</sup>	-AL	-AL	-AL

- Refer to page 164 for further power supply information.
- Recess cutout diameter when using Flat, Flush & Eyelid Covers is 42mm.



Signled: Incorporating the latest LED technology for high impact and low maintenance. Ideal for both interior and exterior signage.

- Excellent colour rendering
  - Low lumen maintenance and long lamp life
  - Completely IP64 rated
- 75% more energy efficient compared to fluorescent
  - Available in standard or custom lengths



Description	Signled, 610mm, c/w 2 x 300mm Wall Brackets	Signled, 610mm, c/w 2 x 300mm Wall Brackets	Signled, 1524mm, c/w 2 x 300mm Wall Brackets	Signled, 1524mm, c/w 2 x 300mm Wall Brackets	Signled, 3048mm, c/w 3 x 300mm Wall Brackets
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Nichia LED	Nichia LED	Nichia LED	Nichia LED	Nichia LED
Beam	140°	140°	140°	140°	140°
Lumens	447lm	497lm	1098lm	1221lm	2198lm
Wattage	8W	8W	19W	19W	38W
Voltage	240V	240V	240V	240V	240V
Control Gear	Built In	Built In	Built In	Built In	Built In
Symbols					
Weight (kg)	1.00	1.00	2.50	2.50	5.00
Part Code <sup>[1]</sup>	SL0610(2B300)	SL0610(2B300)	SL1524(2B300)	SL1524(2B300)	SL3048(3B300)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
Colour Temp <sup>[3]</sup>	/830 (3000k-Warm White)	/860 (6000k-Pure White)	/830 (3000k-Warm White)	/860 (6000k-Pure White)	/830 (3000k-Warm White)



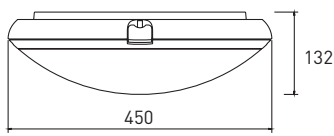
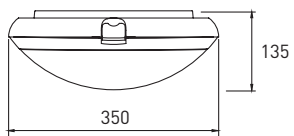
Description	Signled, 3048mm, c/w 3 x 300mm Wall Brackets	Signled, 4572mm, c/w 4 x 300mm Wall Brackets*	Signled, 4572mm, c/w 4 x 300mm Wall Brackets*	Signled, 6096mm, c/w 6 x 300mm Wall Brackets*	Signled, 6096mm, c/w 6 x 300mm Wall Brackets*
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Nichia LED	Nichia LED	Nichia LED	Nichia LED	Nichia LED
Beam	140°	140°	140°	140°	140°
Lumens	2442lm	3298lm	3663lm	3663lm	4070lm
Wattage	38W	57W	57W	76W	76W
Voltage	240V	240V	240V	240V	240V
Control Gear	Built In	Built In	Built In	Built In	Built In
Symbols					
Weight (kg)	5.00	7.50	7.50	10.00	10.00
Part Code <sup>[1]</sup>	SL3048(3B300)	SL4572(4B300)	SL4572(4B300)	SL6096(6B300)	SL6096(6B300)
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>	-WH <input type="checkbox"/> -BL <input checked="" type="checkbox"/>
Colour Temp <sup>[3]</sup>	/860 (6000k-Pure White)	/830 (3000k-Warm White)	/860 (6000k-Pure White)	/830 (3000k-Warm White)	/860 (6000k-Pure White)

- Alternative Signled sizes available upon request.  
\* Delivered in two separate sections.



Lumaseal LED: IP65 rated LED solution for numerous general and ambient lighting environments. Ideal for retail, leisure and commercial applications.

- Anti-tamper proof options available upon request
- Emergency options available upon request
- Surface mounted



Description	Lumaseal LED, Mini	Lumaseal LED, Mini	Lumaseal LED, Maxi	Lumaseal LED, Maxi
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Lumens	1500lm	1500lm	2200lm	2200lm
Wattage	20W	20W	30W	30W
Voltage	240V	240V	240V	240V
Control Gear	Built in	Built in	Built in	Built in
Symbols				
Weight (kg)	1.25 2.10 (Emergency)	1.25 2.10 (Emergency)	1.90 2.75 (Emergency)	1.90 2.75 (Emergency)
Part Code <sup>[1]</sup>	DL315	DL315	DL422	DL422
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Emergency <sup>[3]</sup>	No (No Code Required) /E (Emergency)	No (No Code Required) /E (Emergency)	No (No Code Required) /E (Emergency)	No (No Code Required) /E (Emergency)
Colour Temperature <sup>[4]</sup>	/830 (3000k-Warm White)	/840 (4000k-Neutral White)	/830 (3000k-Warm White)	/840 (4000k-Neutral White)

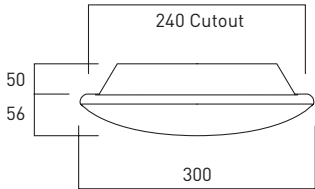
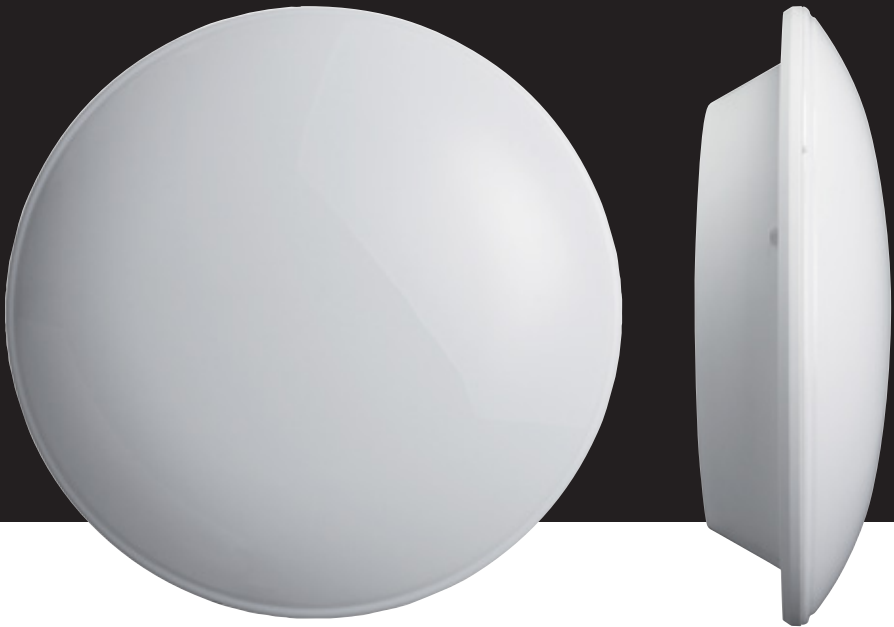
- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)





Lumaseal: IP65 rated solution for numerous general and ambient lighting environments. Ideal for retail, leisure and commercial applications.

- High impact resistance
  - Emergency options available
- Surface or semi-recessed mounting options
  - Anti-tamper proof options available upon request



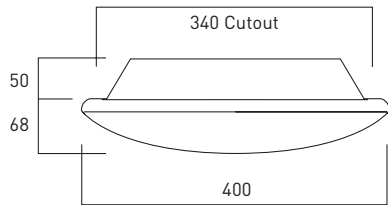
Description	Lumaseal, Mini	Lumaseal, Mini
Light Source	Fluorescent (Lamp not supplied)	Fluorescent (Lamp not supplied)
Lamp Type	TC-DD	TC-DD
Lamp Base	4-pin GR10q	4-pin GR10q
Wattage	16W	28W
Voltage	240V	240V
Control Gear	Standard (Built in) Emergency (Remote)	Standard (Built in) Emergency (Remote)
Symbols		
Weight (kg)	1.20	1.40
Part Code <sup>[1]</sup>	DL3TD4161	DL3TD4281
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Control Gear <sup>[3]</sup>	/EL	/EL
Emergency <sup>[4]</sup>	No (No Code Required) /RE (Remote Emergency)	No (No Code Required) /RE (Remote Emergency)



Easy to remove  
opal lens diffuser.

Simply unscrew  
the hinge tray  
and lift...

...for easy wiring.

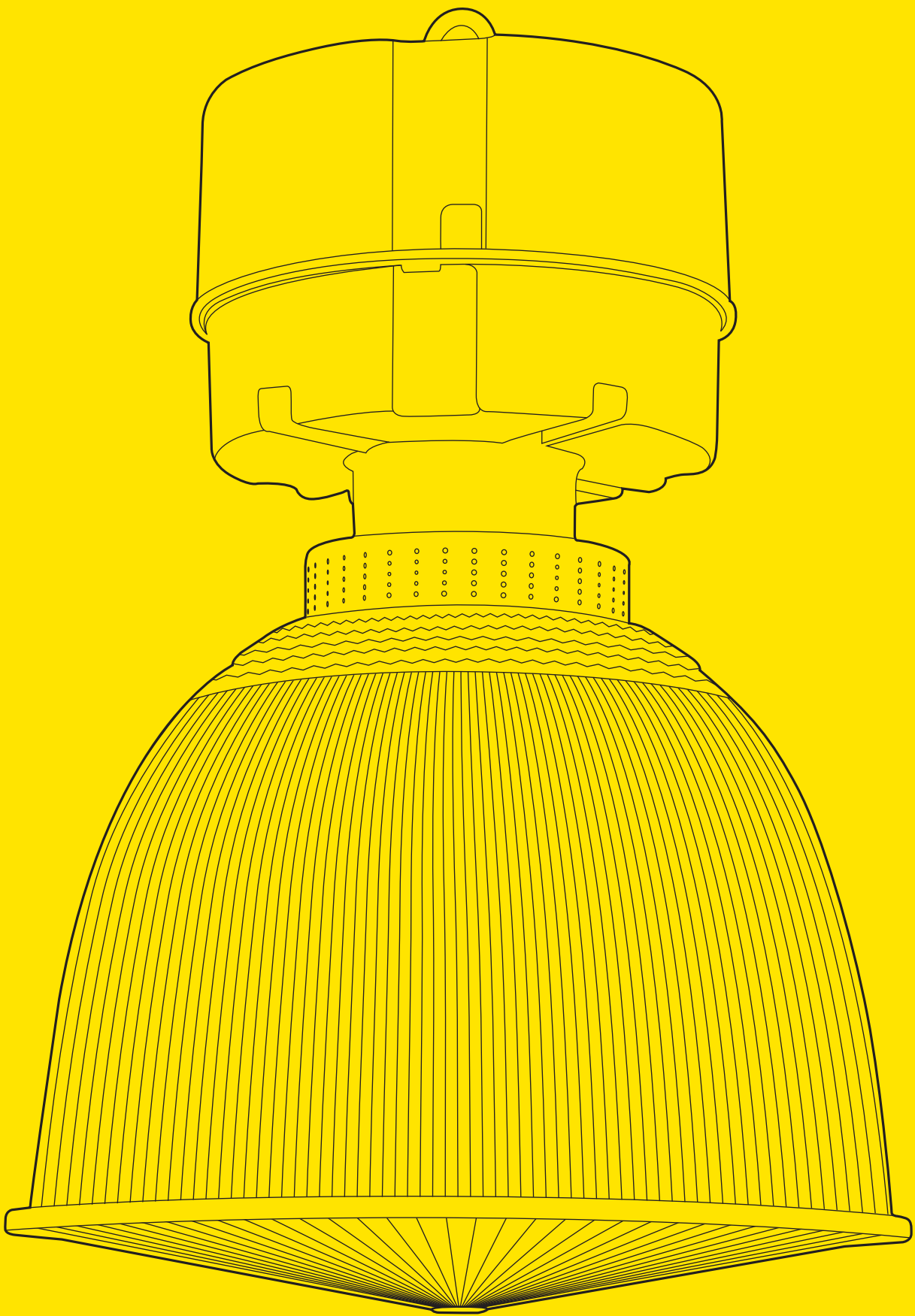






Description	Lumaseal, Maxi	Lumaseal, Maxi
Light Source	Fluorescent (Lamp not supplied)	Fluorescent (Lamp not supplied)
Lamp Type	TC-DD	TC-DD
Lamp Base	4-pin GR10q	4-pin GR10q
Wattage	28W	38W
Voltage	240V	240V
Control Gear	Built in	Built in
Symbols		
Weight (kg)	1.40	2.40
Part Code <sup>[1]</sup>	DL4TD4281	DL4TD4381
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Control Gear <sup>[3]</sup>	/EL	/EL
Emergency <sup>[4]</sup>	No (No Code Required) /E (Integral Emergency)	No (No Code Required) /E (Integral Emergency)



illumina commercial

A sophisticated range of commercial lighting solutions that integrate with our daily lives.



144	146
	
Revolva LED	Linia LED
148	150
	
Hub LED	Hub MH & CF



**illumina** commercial

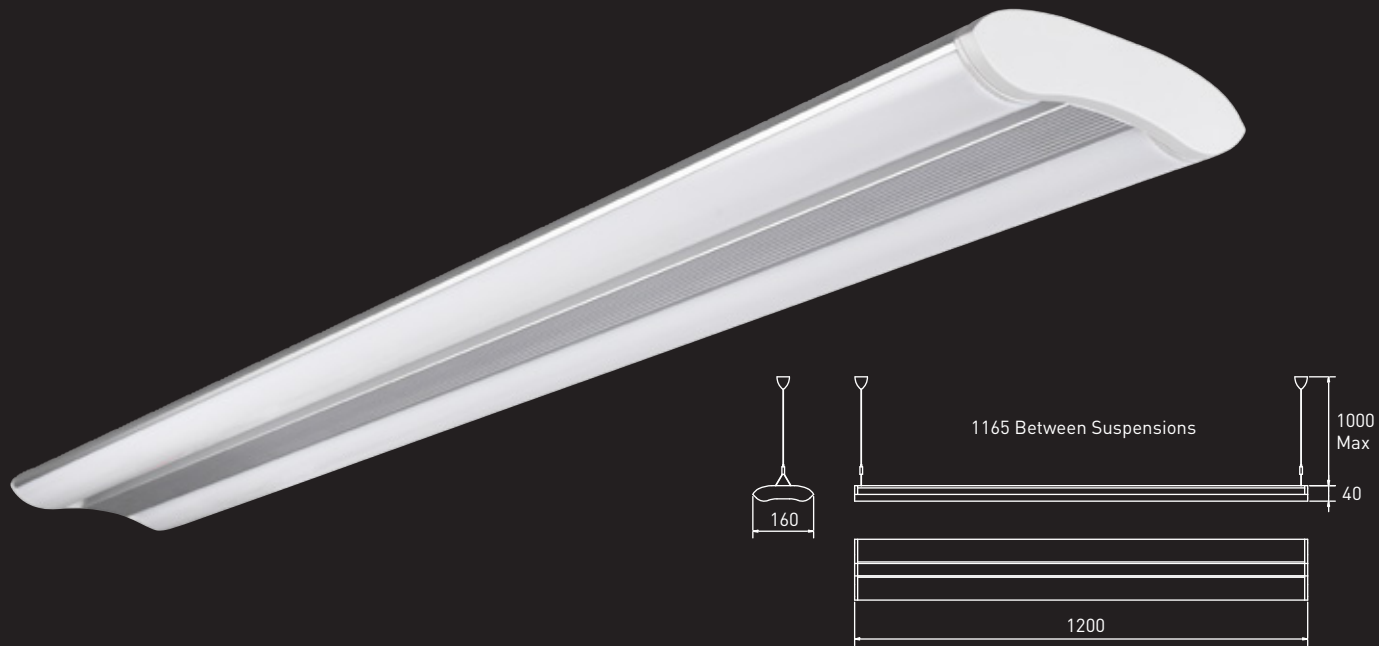
The primary source of lighting for most working environments, whether that be retail, leisure, industrial or office. Their sole function is to enable comfortable, task specific lighting tailored to their installed environment.





**Revolva LED:** A slender, built in LED solution incorporating a slim line design for contemporary retail, leisure and commercial applications.

- Even distribution on all surfaces
- 5,600 lumens
- Suspensible as standard\*



Description	Revolva LED	
Light Source	LED (Built in)	
Lamp Type	Philips LED	
Lumens	5600lm	
Wattage	62W	
Voltage	240V	
Control Gear	Built in	
Symbols	⊕	
Weight (kg)	1.75	
Part Code <sup>[1]</sup>	RV256	
Colour/Finish <sup>[2]</sup>	-AL ■	
Colour	/830 (3000k-Warm White)	
Temperature <sup>[3]</sup>	/840 (4000k-Neutral White)	

Suspensions		
Description	Adjustable Suspension Wire, 1000mm long with bracket & fixings	Adjustable Suspension Wire, 3000mm long with bracket & fixings
Part Code <sup>[1]</sup>	LTS1000	LTS3000

- For up-to-date wattages, visit [www.illum.co.uk](http://www.illum.co.uk)  
\* Suspensions not included with Revolva LED unit. Two suspension wires required per fitting.





Linia LED: A sleek, built in LED solution ideal for retail, leisure and commercial applications where a discrete, linear solution is required.

- Excellent colour rendering  $\geq 85$  CRI
- 2,800 lumens
- Unobtrusive, slim design



Description	Linia LED
Light Source	LED (Built in)
Lamp Type	Philips LED
Lumens	2800lm
Wattage	30W
Voltage	240V
Control Gear	Built in
Symbols	⊕
Weight (kg)	2.20
Part Code <sup>[1]</sup>	LN28
Colour/Finish <sup>[2]</sup>	-AL ■
Colour	/830 (3000k-Warm White)
Temperature <sup>[3]</sup>	/840 (4000k-Neutral White)

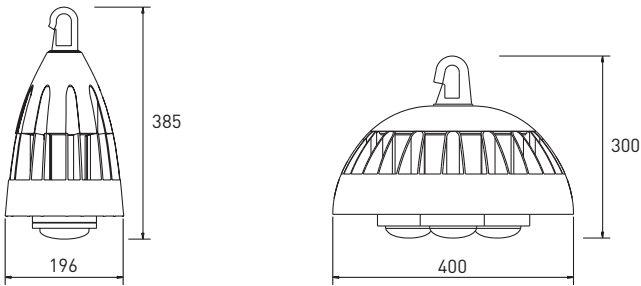
- For up-to-date wattages, visit [www.illum.co.uk](http://www.illum.co.uk)





Hub LED: A robust, powerful LED solution for high ceilings in large scale retail and commercial interiors.

- 5,000 and 10,000 lumen options available
- Ideal for large area lighting



Description	Hub LED	Hub LED
Light Source	LED (Built in)	LED (Built in)
Lamp Type	CREE LED	CREE LED
Beam	60°	60°
Lumens	5000lm	10000lm
Wattage	55W	111W
Voltage	240V	240V
Control Gear	Built in	Built in
Symbols	⊕ ⚡ ⚡	⊕ ⚡ ⚡
Weight (kg)	4.10	9.80
Part Code <sup>[1]</sup>	HB5060	HB10060
Colour/Finish <sup>[2]</sup>	-SG □	-SG □
Colour Temperature <sup>[3]</sup>	/840 (4000k-Neutral White)	/840 (4000k-Neutral White)

- For up-to-date wattages, visit [www.illumaco.uk](http://www.illumaco.uk)

- Suspensions not supplied by Illuma.

- Please be aware that minimum order quantities may apply.

- c/w 3000mm supply cable.

- Alternative colour finishes may be available by special request – please enquire.





Hub MH & CF: A robust, powerful solution for high ceilings in large scale retail and commercial interiors.

- Choice of lamp type
- Supplied complete with front lens
- Metal Halide versions supplied with lamp
- Ideal for large area lighting



Description	Hub MH	Hub MH	Hub CF
Light Source	Metal Halide, (830-Warm White Lamp Supplied)	Metal Halide, (830-Warm White Lamp Supplied)	Fluorescent (Lamp Not Supplied)
Lamp Type	CDM-T	CDM-T	TC-TEL
Lamp Base	G12	G12	4-pin GX24q-3
Wattage	70W	150W	3 x 42W
Voltage	240V	240V	240V
Control Gear	Built in	Built in	Built in
Symbols			
Weight (kg)	4.70	4.70	4.30
Part Code <sup>[1]</sup>	HB070	HB150	HB126
Colour/Finish <sup>[2]</sup>	-AG ■	-AG ■	-AG ■
Control Gear <sup>[3]</sup>	/EL	/EL	/EL
Lamp <sup>[4]</sup>	/L	/L	-

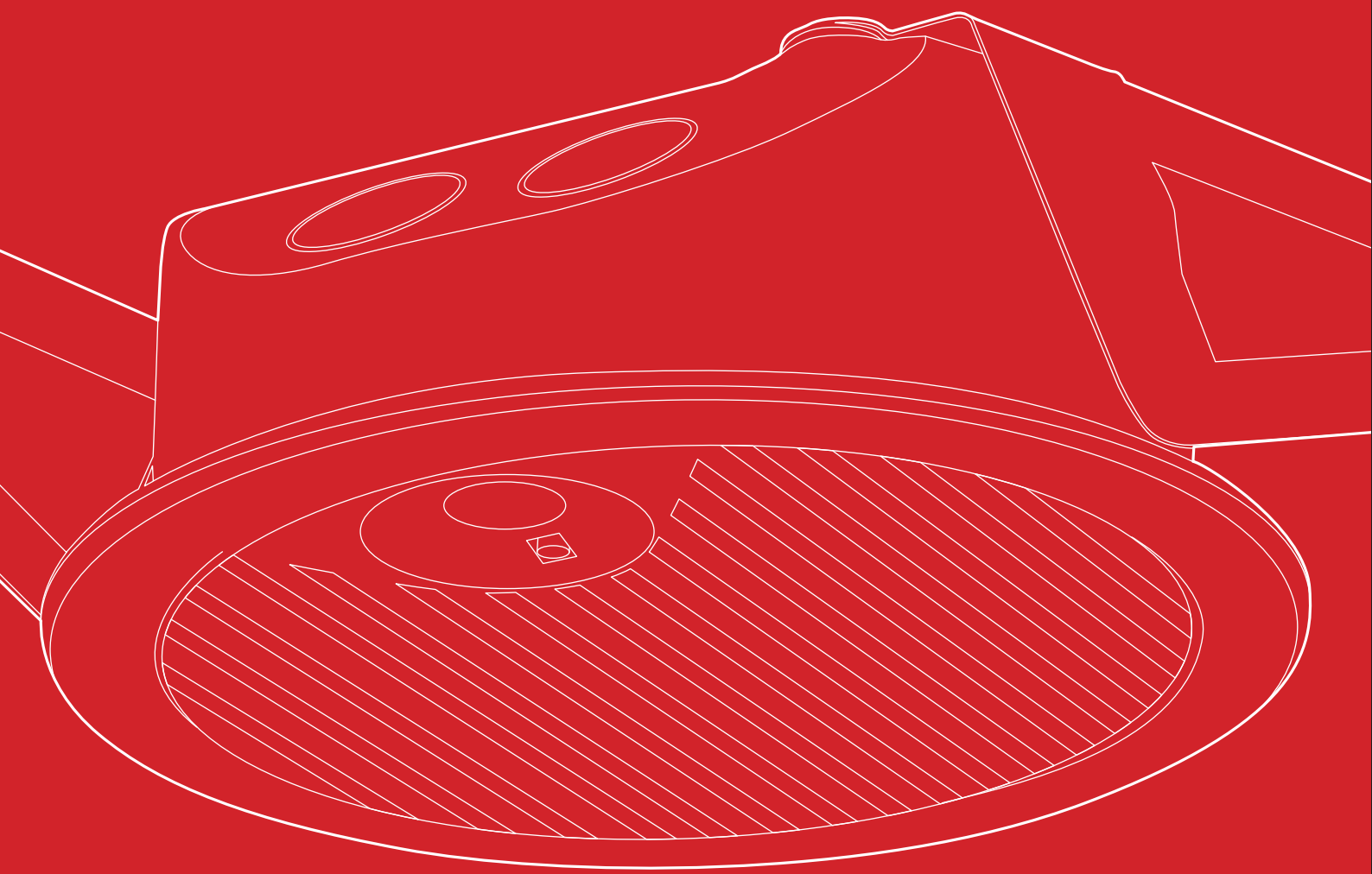
- Suspensions not supplied by Illuma.  
- Supply cable not supplied by Illuma.





illumina emergency

A reliable range of designated emergency solutions for many diverse applications and environments.



Emlux Sign

156



Emlux Duo

158



Emlux Discrete

160



**illumina** emergency

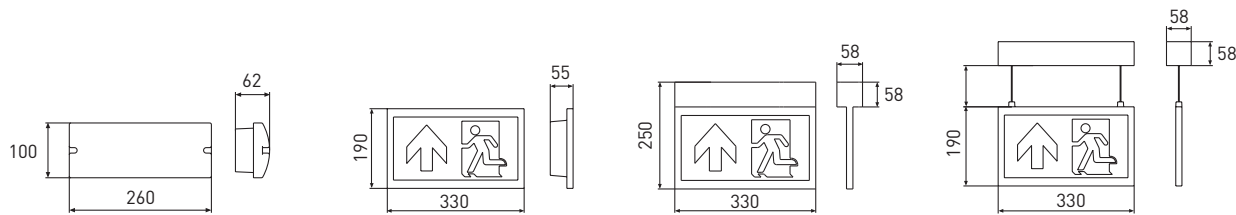
Emergency lighting offers a variety of solutions that allow for the safe evacuation of a premise when the mains supply fails.





Emlux Sign: A wide range of designated escape route exit signs.

- Recessed, Surface and Suspended versions available
- Easy serviceability for power cells
- Can be wired as maintained or non-maintained
- Wall, Surface and Suspended versions supplied with full legends kit



Description	Emlux Sign, Bulkhead	Emlux Sign, Wall	Emlux Sign, Surface	Emlux Sign, Suspended
Light Source	LED (Built in)	LED (Built in)	LED (Built in)	LED (Built in)
Wattage	3W	4W	4W	4W
Voltage	230V	230V	230V	230V
Control Gear	Built in	Built in	Built in	Built in
Symbols				
Weight (kg)	0.43	1.25	1.30	1.35
Part Code <sup>[1]</sup>	E1MNLED	E2MNLED	E3MNLED	E4MNLED

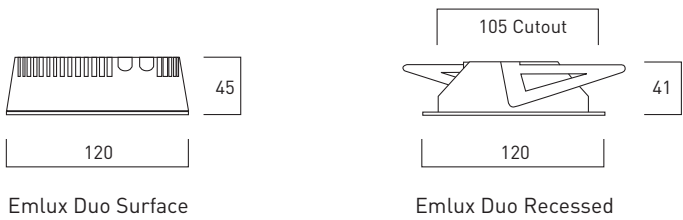
- Auto Test versions available upon request \*  
\* Auto Tests run periodically, including during the night.





Emlux Duo: A non-maintained, integrated module for universal applications that allows complete flexibility for all environments.

- Module allows surface or recessed installation
- Self test automatically carries out all monthly / annual tests\*
- All system components within module for mains installation
- 3-Circuit Track option available



Description	Emlux Duo, Surface/Recessed	Emlux Duo, 3-Circuit
Light Source	LED (Built in)	LED (Built in)
Lamp Type	Luxeon III LED	Luxeon III LED
Wattage	3W	3W
Voltage	230V	230V
Control Gear	Built in	Built in
Symbols		
Weight (kg)	0.25	0.25
Part Code <sup>[1]</sup>	EMLUX2-NM3/AT	EMLUX2-NM3/AT
Colour/Finish <sup>[2]</sup>	-WH <input type="checkbox"/>	-WH <input type="checkbox"/>
Track Adaptor <sup>[3]</sup>	-	/G3 (3-Circuit)

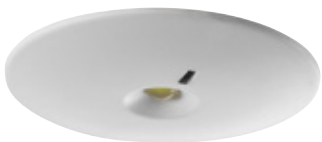
\* Auto Tests run periodically, including during the night.

















Emlux Discrete: A discrete emergency LED fixture available in three versions. An Ideal solution for all environments.

- Available as a night or panic light
- Can be wired as Maintained or Non-maintained
- Self-test function with indicator LED
- Self-test automatically carries out all monthly/annual tests\*



Description	Emlux Discrete	Emlux Discrete, Auto test	Emlux Discrete, Open
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Edison LED	Edison LED	Edison LED
Beam	110°	110°	115°
Wattage	3W	3W	3W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols			
Weight (kg)	0.75	0.75	0.75
Part Code <sup>[1]</sup>	EMLUX1-3H	EMLUX1-3H/AT	EMLUX1A-3H
Colour/Finish <sup>[2]</sup>	-WH 	-WH 	-WH 

Description	Emlux Discrete, Open, Auto test	Emlux Discrete, Corridor	Emlux Discrete, Corridor, Auto test
Light Source	LED (Built in)	LED (Built in)	LED (Built in)
Lamp Type	Edison LED	Edison LED	Edison LED
Beam	115°	125° x 28°	125° x 28°
Wattage	3W	3W	3W
Voltage	240V	240V	240V
Control Gear	Remote (Supplied)	Remote (Supplied)	Remote (Supplied)
Symbols			
Weight (kg)	0.75	0.78	0.78
Part Code <sup>[1]</sup>	EMLUX1A-3H/AT	EMLUX1C-3H	EMLUX1C-3H/AT
Colour/Finish <sup>[2]</sup>	-WH 	-WH 	-WH 

\* Auto Test versions run tests periodically, including during the night.





**illuma** components  
Illuma build and maintain strong relationships with suppliers to ensure the highest quality components are used in support of Illuma’s five year guarantee.

LED Drivers and Power Supplies	164
Transformers for SELV 12V Tungsten Halogen Lighting	166
SELV Wiring Guide	167



illumina components

LED Drivers and Power Supplies: Remote LED constant voltage (24VDC) and constant current (350mA & 700mA) for the Illuma ranges of LED products.

Constant Voltage Power Supplies:

Illuma offer a range of constant voltage power supplies for their range of LED products that require a remote, separate power supply. These are for LED products that have “on-board” circuitry to control the current delivered to the LED. The output supply required is a DC voltage and is either 12VDC or 24VDC depending upon the chosen product range. The current will vary (up to a given maximum) depending upon the load connected to the output of the power supply. The table below provides information on the type of power supply required for the given ranges and the number of products that maybe be powered by a single power supply.

All products carry the relevant product safety and performance approvals.

		Table indicates the maximum number of units that may be connected to the given driver/power supply/accessory			
		Constant Voltage DC Power Supplies			
		24VDC			
↓ Product Range	↓ Power Supply	LEDPSU24020	LEDPSU24060	LEDPSU24100	LEDPSU24240
Conceal		3		16	
Covert (300mm)		4		8	
Covert (600mm)		2		4	
Pathfinder (380mm)		5	15	25	60
Pathfinder (680mm)		2	7	12	30
Camino/Via		5		20	
Power Range (Watt)		1-20	20-60	50-100	120-240
Weight (kg)		0.12	0.35	0.45	-
Height (mm)		24	30	35	-
Width (mm)		52	77	90	-
Length (mm)		110	174	180	-

- Dimensions are subject to change. Please check at the time of ordering if dimensions are critical.

Constant Current LED Drivers:

Illuma offer a range of constant current drivers for their range of LED products that require a remote, separate driver. These are for LED products that do not have “on-board” circuitry to control the current delivered to the LED and this must therefore be controlled within the remote driver. The output voltage will vary (up to a maximum) depending upon the load connected to the output of the driver whist the current will remain constant. The current is regulated to be either 350mA or 700mA depending upon the chosen driver to suit the given product range. The table below provides information on the type of power supply required for the given ranges and the number of products that maybe be powered by a single power supply.

Due to the delicate nature of such LEDs, care must be taken when selecting and initially connecting the drivers to the LEDs. Voltage spikes, high inrush currents must be avoided if permanent damage is to be avoided. Full installation guidance and instruction is provided with the product.

All products carry the relevant product safety and performance approvals.

		Table indicates the maximum number of units that may be connected to the given driver/power supply/accessory										
		Constant Current						Splitter Boxes				
		350mA			700mA			350mA		700mA		
← Product Range	↓ Power Supply	PSL03350	PSL12350	PSL18350	PSL03700	PSL12700	PSL18700	PSE2350(1000)	PSE6350(1000)	PSE2700(1000)	PSE6700(1000)	
		O'Driscoll	3	12	18				2	3-6		
		Project 50				1	4	6			2	3-6
		Power Range (Watt)	1-3	6-12	10-18	1-3	6-12	10-18	-	-	-	-
		Weight (kg)	0.03	0.12	0.30	0.03	0.12	0.30	0.01	0.02	0.01	0.02
Height (mm)		20	30	31	20	30	31	12	11	12	11	
Width (mm)		39	39	67	39	39	67	12	32	12	32	
Length (mm)		55	168	153	55	168	153	44	44	44	44	

- Dimensions are subject to change. Please check at the time of ordering if dimensions are critical.



illuma components

Transformers for SELV (Safety Extra Low Voltage) 12V Tungsten Halogen Lighting:

Electronic Transformers

For use with LV downlights, LV framelights, surface mounted LV spotlights and LV track.

- Short circuit and overload protection
- Soft start feature to protect lamp filament
- Surge protection up to 1.5kW
- Compatible with all types of dimmer
- Loop in/out primary terminals
- Multiple outlet secondary circuit wiring terminals

Part Code	Dimmable	Rating (VA)	Lamp Load (Watt)	Dimensions L x W x H (mm)	Weight (kg)
LVTE60	-	60	20-60	113 x 40 x 26	0.126
LVTE105	-	105	35-105	150 x 40 x 26	0.144
LVTE105/ELDD	Dali Dimmable	105	20-105	170 x 45 x 35	0.170
LVTE150	-	150	50-150	150 x 45 x 35	0.350
LVTE210	-	210	100-210	170 x 50 x 35	0.350

- Dimensions are subject to change. Please check at the time of ordering if dimensions are critical.

Toroidal Transformer

For use with LV downlights, surface mounted LV spotlights, and LV track.

- Fusing on primary input
- Thermal cut-out on secondary circuit
- Compatible with inductive load dimmer

Part Code	Rating (VA)	Lamp Load (Watt)	Dimensions L x W x H (mm)	Weight (kg)
LVTB300MOD-WH	300	150-300	245 x 197 x 83	4.38

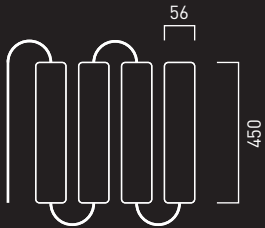
Emergency Packs for SELV 12V Tungsten Halogen Lighting

Maintained Emergency Pack (Through The Hole)

For use with LV downlights. Suitable for installation through a 60mm cut-out.

- Operates lamp in mains mode at 12V and in emergency mode at 6V
- Nickel Cadmium cells
- 20W lamp has 3 hour, and 50W lamp 1 hour emergency mode duration
- Dimming possible with leading or trailing edge low voltage dimmer
- Supplied with LED indicator

Part code: ECG6TTH  
Weight (kg): 1.10

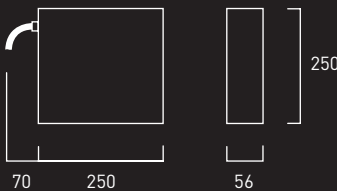


Maintained 3hr Emergency Pack

For use with LV downlights. Suitable for wall mounting or where access to the ceiling void is possible.

- Operates lamp in mains mode at 12V and in emergency mode at 6V
- Sealed lead acid cell
- Dimming possible with inductive load dimmer
- Incorporates (DDP) deep discharge protection
- Supplied with LED indicator

Part code: ECG6-WH  
Weight (kg): 5.00



SELV Wiring Guide: Low voltage (12VAC) means higher current than a mains voltage circuit, so it is important that the conductor size of the cable between the fitting and the transformer is correct.

The table below will help you choose the cable size required.

1. Calculate the total wattage of the lamps to be supplied by the cable

2. Find the corresponding value in the Watts column
3. Read across until the distance in metres is equal to or greater than the cable run

4. Read up the column to see what cable size is required

Watts	Cable size in mm				
	1.5	2.5	4.0	6.0	10.0
20	8.6m	14.1m	21.8m	33.8m	57.1m
40	4.3m	7.1m	10.9m	16.9m	28.6m
50	3.4m	5.6m	8.7m	13.5m	22.7m
60	2.9m	4.7m	7.3m	11.3m	19.0m
80	2.1m	3.5m	5.4m	8.4m	14.3m
100	1.7m	2.8m	4.4m	6.8m	11.4m
120	1.4m	2.3m	3.6m	5.6m	9.5m
140	1.2m	2.0m	3.1m	4.8m	8.2m
150	1.1m	1.9m	2.9m	4.5m	7.6m
200	0.9m	1.4m	2.2m	3.4m	5.7m
250	-	1.1m	1.7m	2.7m	4.6m
300	-	-	1.4m	2.2m	3.8m





**illumina** technical

Illuma offer a variety of technical solutions to meet the specific requirements demanded by different environments.

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Bathrooms & Other Wet Areas	175
Lamp Table	176



## Dimming: Illuma offer a variety of dimming options.

Reducing or controlling the light levels of a space not only brings about potential energy savings but can also dramatically alter the mood and ambience of a living space, whilst still providing good working light when required.

Today's modern light sources inevitably derive their power from complex power supplies such as low voltage transformers, arc and fluorescent discharge control gear, and latterly, constant current or constant voltage DC LED drivers. For this reason, the systems to control light levels through these power supplies has equally become more complex and there is a need to ensure that the correct dimming systems are used in conjunction with the appropriate control gear. The chosen systems need to be well understood prior to purchase and installers need to provide for the appropriate power and control wiring prior to final commissioning and handover to a client.

The following briefly describes the dimming systems used throughout the range of Illuma products. Further guidance can be obtained by contacting Illuma and /or your dimmer supplier.

### Trailing Edge, Leading Edge and Phase Dimming:

These dimmers are the simplest and traditionally the most popular dimmers for small installations. They control the light levels emanating from a light source by reducing the power delivered to the light source through the mains wires.

No other control wires are required other than the mains wires. Rather than reducing the voltage level (which was traditionally done), modern dimmers reduce the power delivered to the light source by switching the power on and off very rapidly (many times a second) either at the beginning of the power cycle (leading edge) or at the end of the power cycle (trailing edge). These systems have worked well for simple circuits (traditional 240VAC tungsten filament) in the past but can present complications when a electronic power supply unit is included in the system (e.g. HF fluorescent or HID ballast, electronic transformer or LED driver).

In such cases the control gear must be of a dimmable design and its compatibility with the chosen dimmer checked, there are many variants in the market and difficulties with compatibility may be experienced. These are manifested as: flicker, mediocre dimming range, inability to dim down to 0%, dimmer noise or electrical failure. Check compatibility of dimmer with the dimmer manufacturer before purchase.

### SwitchDIM:

Otherwise known as PUSH, Push to Make or Retractive switch dimming. Certain control gear manufacturers offer the option to use a mains signal to control a light source.

An extra mains control wire (a switched supply) is required over and above the (permanent) mains supply; the neutral can however be common / shared. The benefits are that a very inexpensive and readily available retractive "push to make" rocker switch can be used to control the on and off switching as well as the dimming control of the light source rather than an expensive dimmer. A momentary depression of the switch (0.5 seconds) toggles the light source either on or off, whereas a longer depression of the switch (1 second or more) allows the light levels to be reduced or increased. If this system is to be used, then appropriate wiring (the provision of a switched and unswitched supply) is required before installation.

When testing installations it is important that all products are tested at the same time to ensure that they are correctly synced.

### DALI:

DALI (Digital Addressable Lighting Interface) is able to provide either very simple or very complex control of lighting based on a digital network. Control gear (12V transformer, LED drivers, CFL/ HID control gear) has to be specifically specified and designed into the Illuma fitting to accept the digital input from the network. Additional control signal wires are required over and above the mains power supplies. Potentially each and every light source is provided with an address and can be controlled as part of a group or individually via an interface / control panel / PC / notebook / mobile app.

Whilst Illuma can provide lighting fixtures capable of accepting DALI signals this must be specified clearly at the time of ordering and appropriate wiring must be in place prior to / during installation. Illuma do not provide dimming systems to control the lighting but can offer advice and suitable 3rd party providers of the equipment and commissioning services.

If this all sounds too complex for the initial installation and a DALI system is thought to be either too complicated or too expensive, then a low cost simple DALI option can still be considered. A simple low cost "rotary knob", "Broadcast" DALI dimmer may be installed with a view to upgrading once experience has been gained with the lighting scheme and full requirements and funds are available for a more complex, fully addressable system. Illuma are able to provide guidance on suppliers of inexpensive broadcast DALI dimmers. Maximum of 64 units per DALI Circuit.

### Analogue 1-10VDC Dimming:

Analogue 1-10VDC systems (or 0-10VDC) require a second pair of low voltage control wires that link all the control gear on a circuit together. All the light sources on a given control circuit receive the same 1-10VDC signal and as such all will be dimmed to the same level together. Switching on and off is usually controlled by switching the mains supply on/off either via a separate mains switch or by a mains push switch built into a rotary dimmer. Illuma are able to offer 1-10VDC dimming control gear on many of its lighting fixtures but this must be clearly requested at the time of ordering and appropriate mains and signal pair wires provided during installation.

### DMX:

Digital Multiplex is a control system protocol originally developed for controlling lighting and other effects in the theatrical and stage environment. Like DALI, it is a specialised digital system requiring multicore sheathed signal cable (using 3 or 5 pin XLR plugs or RJ45 plugs for fixed installations), as well as the mains cabling for the power supplies. DMX is primarily used to control colour changing RGB LED products.

### DSI:


Digital Serial Interface (DSI) is a dimming control system originally developed and marketed by Tridonic and is based on a Manchester-coded 8-bit protocol. Like DALI it is a specialised digital system requiring additional control wiring as well as the mains cabling for the power supplies. Illuma is able to provide Tridonic DSI systems by special request but only where the incorporation of the relevant Tridonic control gear into Illuma fixtures is available and viable.



Emergency: Emergency lighting automatically activates during an emergency situation when the mains power supply fails and as such, the normal lighting fails.

In such cases the emergency lighting, powered by batteries is required to provide enough light (not less than 1 lux) to enable all occupants to safely evacuate the premises. In the vast majority of cases the emergency lighting must be capable of providing this minimum level of lighting for at least 3 hours. The location and spacing of such lighting should be laid out according to the requirements of BS5266-1 by the lighting designer. All emergency light should be tested according to the requirements of BS5266-8 on a regular basis (monthly and annually) and recorded to ensure their continued performance.

Illuma Lighting is able to provide a selection of emergency lighting solutions across the range to meet the needs of emergency lighting requirements.

**Recessed**  
Most of the recessed downlights can be supplied with integral emergency options providing a seamless solution, i.e. there being little noticeable difference between the standard or the emergency fitting apart from the green LED indicator. These are denoted within the main catalogue by the  symbol.

**Sign Lighting**  
The Emlux Sign range provides illuminated exit signs for use over doors, recessed into ceilings or surface mounted to identify the escape route during power failure. (Non maintained variants only)

**Track Mounted**  
Spotlights are not available with emergency options because they are not fixed and as such may not always be aimed at the intended escape route. Illuma do however provide a track mountable emergency option (EMLUX2-NM3/AT/G3, see page 158).

**Discrete**  
Alternatively discrete, standalone LED emergency lighting from the Emlux Duo or Emlux Discrete range on pages 158 and 160 may be preferred. They allow freedom to place emergency lighting in the correct position, without affecting the layout of the general lighting design.

**Maintained**  
Maintained emergency lighting will operate as a normal light and can be switched on and off along with other lighting. When the power fails this type of light will switch over to a battery supply and light will continue to be provided (normally at a lower lux or light level). The majority of the Illuma recessed down lights and surface mounted lighting have a maintained emergency lighting option.

**Non-Maintained**  
Non-Maintained emergency lighting, when the power is on, is not normally lit. Only when the power fails do the batteries that will have normally been on permanent charge cut in automatically and power the light. The Illuma Emlux Discrete and Emlux Sign lighting ranges are available as either Maintained or Non-maintained options.

**Auto Test**  
Traditionally monthly and annual testing required time consuming manual intervention. Illuma now provide Auto Test options within its Emlux ranges. These products carry out monthly and annual tests automatically reporting back any issues by way of green or red indicator LED's. Please note that auto tests may occur at inconvenient times (e.g. in a hotel bedroom at night or in a theatre during a performance) and this should be considered before specifying the auto test option.

**Low Voltage**  
Traditional low voltage tungsten halogen lighting can easily be converted to operate as an emergency light by swapping the standard transformer for an ECG product see page 166 for details of either the "through the hole" version or standard control box version.

**Product Standards:**  
BS EN 60598-1: 2008 Luminaires. General requirements and tests.  
BS EN 60598-2-22:1998+A2:2008 Particular requirements. Luminaires for emergency lighting  
BS EN 62034:2006 Automatic test systems for battery powered emergency escape lighting

**System Standards**  
BS EN 1838:1999 / BS 5266-7:1999 Lighting applications – emergency lighting. Specifies the illumination to be provided by emergency lighting (including luminance, duration and colour).  
BS EN 50172:2004 / BS 5266-8:2004 Emergency escape lighting systems. Specifies the minimum provision and testing of emergency lighting for different premises.



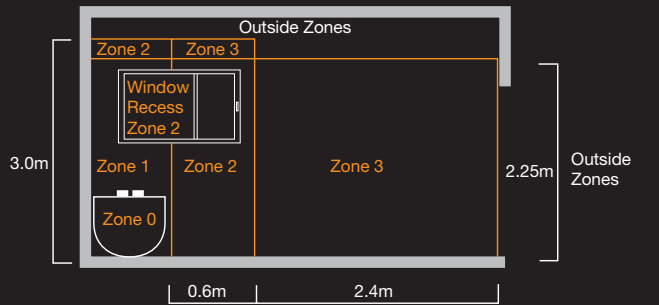
IP Ratings

Ingress protection: Under EN 60529, all products are rated for their protection against ingress by solid objects and water.

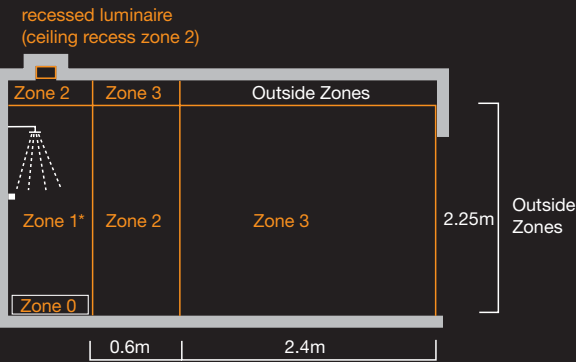
The rating is expressed as a two-part IP number – for example IP67. The two numbers correspond to their protection level: the first number (between 1 and 6) refers to the level of protection from ingress by solid objects from 50mm diameter to dust; the second number (1 to 8) refers to the level of protection from harmful water ingress. The protection levels are defined in the following tables.

First Number (protection level against solid objects)			Second Number (protection level against water)		
	IP	Defined Protection Level		IP	Defined Protection Level
	IP0X	No protection		IPX0	No protection
	IP1X	Protects against foreign bodies down to 50mm diameter		IPX1	Protects against drops of water falling vertically. Limited ingress permitted.
	IP2X	Protects against foreign bodies down to 12mm in diameter	☾	IPX2	Protects from drops of water falling up to 15° from the vertical. Limited ingress permitted.
	IP3X	Protects against foreign bodies down to 2.5mm in diameter	☾☾	IPX3	Protects against water sprayed from up to 60° from the vertical – rain proof. Limited ingress.
	IP4X	Protects against foreign bodies down to 1mm in diameter	☾☾☾	IPX4	Protects from water splashed from all directions – splash-proof.
☐☐☐	IP5X	Protects against harmful dust deposits – dust-proof	☾☾☾☾	IPX5	Protects from low-pressure jets of water from all directions – jet-proof.
☐☐☐☐	IP6X	Protects against any entry of dust – dust-tight		IPX6	Protects against heavy seas or strong jets of water
			☾☾☾☾☾	IPX7	Protects against temporary immersion down to 1m – water-tight. Not for permanent immersion.
			☾☾☾☾☾☾m	IPX8	Protects against permanent immersion at specified water depth – pressure water-tight.

Bathrooms & Other Wet Areas: Areas within bathrooms, showers & other wet areas require particular Ingress Protection (IP) ratings for light fittings, depending on precisely where they are located.



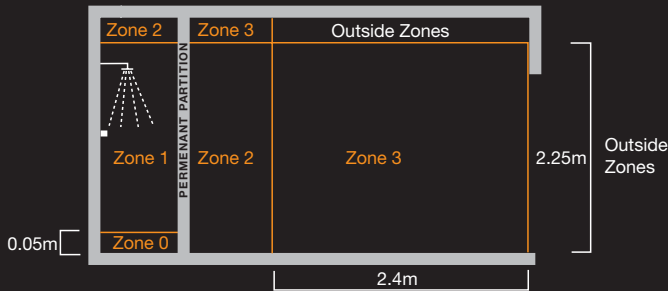
- Zone 0**  
This is the area inside the bath or shower – fittings used here should be rated IPX7.
- Zone 1**  
This refers to the area above the bath or shower up to a height of 2.25 metres – fittings here should have a minimum rating of IPX4.



- Zone 2**  
This covers an area 0.6 metres wide, immediately next to, and all around zone 1, plus the area above 2.25 metres over the bath or shower. Wash basins should be treated as Zone 2. The minimum rating here is IPX4. Where water jets are likely to be used for cleaning purposes in Zones 1 and 2, the rating is minimum IPX5.

\* Zone 1 if space accessible without the use of tools. Under bath spaces, accessible only with the use of a tool are Outside Zones

- Zone 3**  
This area has no special requirements, unless water jets are likely to be used for cleaning purposes. Equipment installed outside zones 0, 1, 2 and 3 must be suitable for the conditions most likely to prevail at that particular point.











Lamp Table

The following table provides generic data on the popular lamp types that have historically been used both within the Illuma product ranges and also within the lighting industry in general. Many of these lamps are now being replaced by luminaires with their own integral LED and a lamp therefore no longer being a requirement. We have reproduced this lamp table here by way of comparison to the light output of the integral LED luminaires detailed within the pages of this catalogue. LED luminaire characteristics including lumen output, beam angle, power consumption and colour temperatures are detailed in the relevant pages of the associated luminaire.

Ra	Group	Typical Application
90-100	1A	Where accurate colour rendering is required (colour matching)
80-89	1B	Where good colour rendering is required (accurate colour judgements)
70-79	2A	Where moderate to good colour rendering is required
60-69	2B	Where moderate colour rendering is required
40-59	3	Where colour rendering is of little significance but marked distortion of colour is unacceptable
20-39	4	Where colour rendering is unimportant

			Lamp Wattage	Lamp Cap	Initial Lumens (IL)	Efficiency lm/W	Lamp Life	Colour Temp. (°K)	Colour Rendering (Ra)
Incandescent		PAR 16 (GU10)	50	GU10	525	11	2000	2800	100
		PAR 20	50	E27	630	13	2000	2900	100
		PAR 30	75	E27	1050	14	2500	2900	100
Ceramic Metal Halide		CDM-TC	20	G8.5	1700	85	6000	3000	81
			35	G8.5	3400	94	9000	3000	84
			70	G8.5	6600	94	9000	3000	84
		CDM-T	35	G12	3400	94	9000	3000	83
			70	G12	5500	94	9000	3000	83
			150	G12	14000	93	9000	3000	83
		CDM-TD	70	Rx7s	6300	90	12000	3000	85
			150	Rx7s-24	13000	87	12000	3000	85







Colour Rendering Index (Ra)

A measure of the light source’s ability to render the colours of objects as similar to those under a reference light source.

Colour Temperature

A descriptive term for the appearance of light expressed in Kelvin.





**2700K** - Extra Warm White, **3000K** - Warm White, **4000K** - Neutral White, **6000K** - Pure White

			Lamp Wattage	Lamp Cap	Initial Lumens (IL)	Efficiency lm/W	Lamp Life	Colour Temp. (°K)	Colour Rendering (Ra)
LV Tungsten Halogen 12V		MR16	20	GX/GU5.3	320	16	3000	3000	100
			35	GX/GU5.3	630	18	3000	3000	100
			50	GX/GU5.3	1000	20	3000	3000	100
		AR111	35	G53	600	17	3000	3000	100
			50	G53	930	19	3000	3000	100
			75	G53	1350	18	3000	3000	100
			100	G53	2200	22	3000	3000	100
	Compact Fluorescent		TC-SEL	9	2G7	600	67	10000	2700
9				2G7	600	67	10000	4000	85
		TC-DEL	13	G24d-1	900	69	10000	2700/3000/3500/4000	85
			18	G24d-2	1200	67	10000	2700/3000/3500/4000	85
			26	G24d-3	1800	69	10000	2700/3000/3500/4000	85
		TC-TEL	18	GX4d-2	1200	67	10000	2700/3000/3500/4000	85
			26	GX4d-3	1800	69	10000	2700/3000/3500/4000	85
			32	GX4d-3	2400	75	10000	2700/3000/3500/4000	85
			42	GX4d-4	3200	76	10000	2700/3000/3500/4000	85
		TC-DD	16	GR10q	1050	66	10000	2700/3000/4000	82
			28	GR10q	2250	80	15000	2700/3000/4000	82
			38	GR10q	3000	79	15000	2700/3000/4000	82

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Lamp Table (continued)

			Lamp Wattage	Lamp Cap	Initial Lumens (IL)	Efficiency lm/W	Lamp Life	Colour Temp. (°K)	Colour Rendering (Ra)
T5 Fluorescent		T5C	22	2GX13	1800	81	12000	3000/4000	85
			55	2GX13	4200	76	12000	2700/3000/4000	85
		T5 HO	24	G5	1700	71	20000	2700/3000/4000	85
			24	G5	1570	66	20000	6000	85
			39	G5	3220	83	20000	2700/3000/4000	85
			39	G5	2990	77	20000	6000	85
			49	G5	4165	85	20000	2700/3000/4000	85
			49	G5	3950	81	20000	6000	85
			54	G5	4450	83	20000	2700/3000/4000	85
			54	G5	4050	75	20000	6000	85
			80	G5	6150	77	20000	2700/3000/4000	85
			80	G5	5700	71	20000	6000	85
		T5 HE	14	G5	1230	88	20000	2700/3000/4000	85
			14	G5	1240	82	20000	6000	85
			21	G5	1910	91	20000	2700/3000/4000	85
			21	G5	1775	85	20000	6000	85
			28	G5	2640	94	20000	2700/3000/4000	85
			28	G5	2460	88	20000	6000	85
			35	G5	3300	94	20000	2700/3000/4000	85
			35	G5	3095	89	20000	6000	85
		T5	6	G5	280	47	10000	3000/3500	53
			6	G5	280	47	10000	4300	64
			6	G5	240	40	10000	6500	76
			8	G5	400	50	10000	3000/3500	53
			8	G5	400	50	10000	4300	64
			8	G5	340	43	10000	6500	76
			13	G5	880	68	10000	3000/3500	53
			13	G5	880	68	10000	4300	64
			13	G5	750	58	10000	6500	76



**illumina** regulations

Illumina are committed to quality and regularly ensure that all company procedures meet European standards and regulations. Illumina take steps to minimise the company's impact on the global environment.

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illumaregulations

**Compliance with the WEEE Directive:** The WEEE (Waste Electrical and Electronic Equipment) Directive, which came into force in July 2007, is EC legislation that requires all producers (manufacturers and importers) to take responsibility for treating and recycling their products at the end of their useful life.

The Directive aims to minimise the impact of waste electrical and electronic equipment on the environment by encouraging the design of products whose materials can be recovered, recycled or re-used. It sets targets for the collection, treatment, recycling and recovery of all electronic waste – in the first instance this applies to luminaires and lamps used in the commercial and contract sector (but not at this time, residential schemes).

If the waste lighting equipment was installed before August 13, 2005, then the producer who is supplying the replacement products is responsible; if the discarded luminaire was sold on or after August 13, 2005, then the producer who originally supplied it is responsible. If the producer cannot be traced the end-user is responsible.

All producers of non-household lighting equipment should be registered with an approved collective compliance scheme; the main one for luminaires in the UK is Lumicom (www.lumicom.com) – Illuma Lighting is a registered member of Lumicom.

Lumicom has put in place a comprehensive scheme for the collection and disposal of non-household lighting equipment (see Lumicom website for details). As a member of the Lumicom scheme, we do not add a charge, we absorb the cost of WEEE. At the same time, we will continue to design products which maximise their life, and where possible, are upgradeable as new technologies emerge (e.g. LEDs).

Our product development process aims to facilitate the future treatment and recycling of our products with minimum difficulty and effort.

**Quality & Safety:** Illuma aims to meet all relevant quality and safety standards.



**Quality Assurance**  
All Illuma light fixtures are designed, manufactured and tested under quality assurance standards in accordance with BS EN 9001:2008. They are also designed and tested in accordance with EN 60598. All our products are supported by a five year guarantee. (Subject to terms and conditions)




**ISO 9001**  
Quality systems extend beyond physical product, they underpin every department at Illuma from Production through to Sales. This ensures that high quality standards are maintained and delivered to our customers through Quality Management Systems. Illuma are NQA accredited with ISO 9001:2008.





**CE Marking**  
The CE mark indicates compliance with the requirements of:

- Low Voltage Directive (LVD) 2006/95/EC (to be superseded)  
Low Voltage Directive (LVD)2014/35/EU
- EMC Directive (EMCD) 2004/108/EC (to be superseded)  
EMC Directive (EMCD) 014/30/EU
- The Restriction of the Use of Certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment (EEE) Directive was transposed into UK Law on 2<sup>nd</sup> January 2013

**Electrical Protection - EN 60598 : 2008**

 **Class 1:** fittings comply with Class 1 (I) earthed electrical requirements (i.e. have functional insulation in all parts, plus an earth termination)

 **Class 2:** fittings comply with Class 2 (II) double insulated electrical requirements (i.e. have complete insulation in all parts, without an earth termination). In the event of an electrical fault, no dangerous voltage can reach touchable metal parts.

 **Class 3:** fittings comply with Class 3 (III) electrical requirements (i.e. where protection against electrical shock relies on supply at safety extra-low voltages (SELV) and in which voltages higher than those of SELV (50V) are not generated.

**Voltage**  
All fittings and transformers are supplied primarily for operation on 230-240V 50-60Hz circuits.

For alternative electrical specifications contact our technical support department.



Terms & Conditions of Sale: A Division of Searchlight Electric Ltd.

1 Interpretation

1.1 In these conditions:  
‘Buyer’ means the person, firm or company who purchases Goods from the Company;  
Company’ means Illuma operating as a division of Searchlight Electric Limited of Sidney House, 900 Oldham Road, Manchester, M40 2BS;  
‘Contract’ means the contract between the Buyer and the Company for the sale and purchase of the Goods;  
‘Goods’ means the goods (including any instalment of the goods or any parts for them) which the company is to supply in accordance with these Conditions.  
1.2 Any reference in these Conditions to any provision of a statute shall be construed as a reference to that provision as amended, re-enacted or extended at the relevant time.  
1.3 The headings in these Conditions are for convenience only and shall not affect their interpretation.

2.4 Any typographical, clerical or other error or omission in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Company shall be subject to correction without any liability on the part of the Company.

2.5 Goods supplied may vary in detail from the illustrations, drawings, measurements and descriptions set out in the Company’s sales literature, which are approximate and for guidance only and will not form part of the Contract. Colour finishes will be maintained as accurately as possible but matching cannot be guaranteed. All terminology used in the Company’s sales literature is, subject to these Conditions, that as understood by general usage in the trade.

2 Basis of Sale

2.1 The Company shall sell and the Buyer shall purchase the Goods in accordance with these Conditions, which shall govern the Contract to the exclusion of any other terms and conditions which the Buyer purports to apply, impose or incorporate under any purchase order, confirmation of order, specification or other document, or which may be implied by trade, custom, practice or course of dealing.  
2.2 No variation to these Conditions shall be binding unless agreed in writing and signed by a director of the Company.  
2.3 The Company’s employees or agents are not authorised to make any representations concerning the Goods unless confirmed in writing by a director of the Company.

3 Orders

3.1 No order submitted by the Buyer shall be deemed to be accepted by the Company unless and until confirmed in writing by the Company’s authorised representative or (if earlier) the Company delivers the Goods to the Buyer.  
3.2 The Buyer shall be responsible to the Company for ensuring the accuracy of the terms of any order submitted by the Buyer, and for giving the Company any necessary information relating to the Goods within a sufficient time to enable the Company to perform the Contract in accordance with its terms.  
3.3 No order which has been accepted by the Company may be cancelled by the Buyer except with the agreement in writing of the

Company and on terms that the Buyer shall indemnify the Company in full against all loss (including, without limitation, loss of profit), costs (including the cost of all labour and materials used), damages, charges and expenses incurred by the Company as a result of such cancellation.  
3.4 No Goods may be returned to the Company without the Company’s prior written consent and must be returned in their original packaging to ensure no damage is sustained during transit. The Buyer shall be liable for the cost of returning the Goods and for any damage to the Goods prior to receipt by the Company of such returned goods.  
3.5 Any returns are subject to Illuma’s Return of Goods Policy and copies are available on request.  
3.6 A quotation for the Goods given by the Company shall not constitute an offer. A quotation shall only be valid for a period of 20 business days from its date of issue unless stated otherwise.

4 Price Of Goods

4.1 Unless otherwise agreed by the Company, the price of the Goods shall be the price listed in the company’s published price list current at the date of despatch of the Goods. All prices quoted by the company’s sales representatives shall be subject to verification by the Company’s Head Office.  
4.2 Unless otherwise agreed in writing between the Buyer and the Company, all prices are given by the Company on an ex-works basis, and where the Company agrees to deliver the Goods otherwise than at the Company’s premises, the Buyer shall be liable to pay the Company’s charges for transport and packaging.

4.3 Carriage and packaging shall be free for delivery within the UK mainland on orders over the Company’s minimum carriage paid order value as published by the Company from time to time. Where the order is below such minimum carriage paid order value, the Company reserves the right in its sole discretion to make a reasonable charge to the Buyer in respect of carriage and packing which shall be paid by the Buyer at the time of payment for the relevant Goods.  
4.4 The price of the Goods is exclusive of any applicable value added tax, which the Buyer shall be additionally liable to pay to the Company.

5 Terms of Payment

5.1 The Buyer shall pay the price of the Goods (together with any applicable VAT) before the end of the month following the date of the Company’s invoice, and the Company shall be entitled to recover the price, notwithstanding that delivery may not have taken place and the property in the Goods has not passed to the Buyer.  
5.2 The time of payment of the price of the Goods shall be of the essence of the Contract.  
5.3 No payment shall be deemed to have been received until the Company has received cleared funds.  
5.4 All payments payable to the Company under the Contract (whether or not then due and payable) shall become due immediately upon termination of the Contract notwithstanding any other provision.  
5.5 The Buyer shall make all payments due under the Contract without any deduction, whether by way of set-off, counterclaim, discount, abatement or otherwise, unless the Buyer has a valid court order requiring an amount equal to such deduction to be paid by the Company to the Buyer.  
5.6 If the Buyer fails to make any payment on the due date then, without prejudice to any other right or remedy available to the Company,

the Company shall be entitled to: cancel the Contract or suspend any further deliveries to the Buyer; appropriate any payment made by the Buyer to such of the Goods (or the goods supplied under any other contract between the Buyer and the Company), as the Company may think fit (notwithstanding any purported appropriation by the Buyer); charge the Buyer interest (both before and after any judgement) on the amount unpaid, at the rate of 1.5 per cent per annum above the base lending rate from time to time of Barclays Bank plc accruing on a daily basis from the due date for payment until payment in full is made or claim interest from the Buyer under the Late Payment of Commercial Debts (Interest) Act 1998; and recover from the Buyer the price of any goods delivered to the Buyer notwithstanding that the payment for such goods has not yet become due.  
5.7 All costs, charges and expenses incurred by the Company in recovering any debt due by the Buyer shall be paid by the Buyer on a full indemnity basis.

6 Delivery

6.1 Delivery of the Goods shall be made, either by the Buyer collecting the Goods at the Company’s premises at any time after the Company has notified the Buyer that the Goods are ready for collection or, if some other place for delivery is agreed by the Company, by the Company delivering the Goods to that place.  
6.2 Any dates quoted for delivery of the Goods are approximate only. Time for delivery shall not be of the essence of the Contract. The Company shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event (as defined in condition 8.10 below) or the Buyer’s failure to provide the Company with adequate deliver instructions or any other instructions that are relevant to the supply of the Goods.  
6.3 Where the Goods are to be delivered

in instalments, each delivery shall constitute a separate contract and failure by the Company to deliver any one or more of the instalments in accordance with these Conditions or any claim by the Buyer in respect of any one or more instalments shall not entitle the Buyer to treat the Contract as a whole as repudiated.  
6.4 If the Buyer fails to take delivery of the Goods or fails to give the Company adequate delivery instructions at the time stated for delivery then, without prejudice to any other right or remedy available to the Company, the Company may: store the Goods until actual delivery and charge the Buyer for all related costs and expenses (including, without limitation, storage and insurance); or sell the Goods at the best price readily obtainable and charge the Buyer for any shortfall below the price under the Contract.  
6.5 If the Goods are not checked by the Buyer on receipt, they must be signed for “Unexamined”.

7 Risk and Property

7.1 Risk of damage to or loss of the Goods shall pass to the Buyer:  
7.1.1 in the case of Goods to be delivered otherwise than at the Company’s premises, at the time of delivery or, if the Buyer wrongfully fails to take delivery of the Goods, the time when the Company tenders delivery of the Goods.  
7.2 Notwithstanding delivery and the passing of risk in the Goods, or any other provision of these Conditions, the property in the Goods shall not pass to the Buyer until the Company has received in cash or cleared funds all sums due to it in respect of:  
7.2.1 the Goods, and  
7.2.2 all other goods agreed to be sold by the Company to the Buyer for which payment is then due.  
7.3 Until such time as the property in the Goods passes to the Buyer, the Buyer shall:  
7.3.1 hold the Goods as the Company’s fudiciary agent and bailee;  
7.3.2 keep the Goods separate from those of the Buyer and third parties;

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7.3.3	keep the Goods properly stored, protected and identified as the Company's property;	
7.3.4	not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;	
7.3.5	maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;	
7.3.6	notify the Company immediately if it becomes subject to any of the events listed in clause 9.1.1 to 9.1.4; and	
7.3.7	give the Company such information relating to the Goods as the Company may require from time to time, but the Company may resell or use the Goods in the ordinary course of its business.	
7.4	Until such time as the property in the Goods passes to the Buyer (and provided the Goods are still in existence and have not been resold), the Company shall be entitled at any time to require the Buyer to deliver up the Goods to the Company and, if the Buyer fails to do so forthwith, to enter upon any premises of the Buyer or any third party where the Goods are stored and repossess the Goods.	
<b>8 Warranties and Liabilities</b>		
8.1	Subject to the other provisions of these Conditions, the Company warrants that the Goods will upon delivery be of satisfactory quality and fit for the purpose for which they are intended to be used within the meaning of the Sale of Goods Act 1979 (as amended). Any Illuma product* found to be faulty in materials or workmanship within 5 years of manufacture will be repaired or replaced without charge at the Company's option. Illuma's obligation under this Warranty shall not extend beyond the original cost of the product and accordingly any consequential damages arising out of product defects are expressly excluded. This warranty shall not apply to products that have been badly stored or incorrectly installed, or to products which have been altered or repaired outside Illuma's factory. *This Warranty will only apply to Illuma products and excludes third party products and consumables such as batteries and lamps.	
8.2	The above warranty does not extend to Goods or parts or materials not manufactured by the Company, in respect of which the Company shall	

	endeavour to transfer to the Buyer the benefit of any warranty or guarantee given by the manufacturer to the Company.	
	The Company will not assume responsibility for corrosion or any other resulting damage to the Goods where they are installed in areas in which fertilizers or salt are present, either in the air or in the soil, or where the Goods are installed near to chemical plants, etc. with emissions of heavily polluted air, including without limitation, installation within 10 miles of any coastline.	
8.3	Any claim by the Buyer which is based on any defect in the quality or condition of the Goods or a shortage of Goods shall (whether or not delivery is refused by the Buyer) be notified to the Company and (if the defect is as a result of damage or loss in transit) the carrier of the Goods within three days from the date of delivery or (where the defect or failure was not apparent on reasonable inspection) within a reasonable time after discovery of the defect or failure. If delivery is not refused, and the Buyer does not notify the Company accordingly, the Buyer shall not be entitled to reject the Goods and the Company shall have no liability for such defect or failure, and the Buyer shall be bound to pay the price as if the Goods had been delivered in accordance with the Contract.	
8.4	The Company shall not be liable for a breach of the warranty in clause 8.1 if the defect arises because the Buyer failed to follow the Company's oral or written instructions as to the storage, installation, use or maintenance of the Goods or (if there are none) good trade practice or if the Buyer alters or repairs the Goods or makes any further use of the Goods without the written consent of the Company.	
8.5	Where any valid claim in respect of any of the Goods which is based on any defect in the quality or condition of the Goods is notified to the Company in accordance with these Conditions, the Company shall be entitled to replace the Goods (or the part in question) free of charge or refund to the Buyer the price of the Goods (or a proportionate part of the price), but the Company shall have no further liability to the Buyer.	
8.6	The Company shall not be liable for non-delivery of Goods unless written notice is given to the Company	
	within ten days of the date of the Company's invoice. Any liability of the Company for non-delivery of Goods shall be limited to replacing the Goods within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.	
8.7	All warranties, conditions or other terms implied by statute or common law (save for the conditions implied by Section 12 of the Sale of Goods Act 1979) are excluded to the fullest extent permitted by law.	
8.8	Nothing in these Conditions excludes or limits the liability of the Company for death or personal injury caused by the Company's negligence or fraudulent representation.	
8.9	Subject to conditions 8.7 and 8.8:	
8.9.1	the Company's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with performance or contemplated performance of the Contract shall be limited to the price of the Goods; and	
8.9.2	the Company shall not be liable to the Buyer for any indirect or consequential loss or damage (whether for loss of profit, loss of business, depreciation of goodwill or otherwise), costs, expenses or other claims for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the Contract.	
8.10	The Company shall not be liable to the Buyer or be deemed to be in breach of the Contract by reason of any delay in performing, or any failure to perform, any of the Company's obligations in relation to the Goods, if the delay or failure was due to any cause beyond the Company's reasonable control including, but without prejudice to the generality of the foregoing, acts of God, governmental actions, war or national emergency, acts of terrorism, protests, riot, civil commotion, fire, explosion, flood, epidemic, strikes, lock-outs or other industrial actions or trade disputes (whether involving employees of the Company or of a third party), difficulties in obtaining raw materials, labour, fuel, parts or machinery, power failure or breakdown in machinery ("Force Majeure Event").	

	recognises and agrees that such Intellectual Property shall remain at all times vested in the Company (or its licensors) unless otherwise agreed by the Company in writing.	
11.2	The Buyer cannot and shall not authorise any third party to, copy, alter, make any modifications to or otherwise tamper with the Goods, their packaging and/or any materials supplied by the Company in connection with the Goods.	
11.3	The Buyer shall not, and shall not authorise any third party to, do any act which would or might invalidate or be inconsistent with any Intellectual Property and shall not omit or authorise any third party to omit to do any act which by its omission would have that effect.	
<b>12 Compliance with Relevant Requirements</b>		
12.1	The Buyer shall:	
12.1.1	comply with all applicable laws, statutes, regulations and codes relating to anti-bribery and anti-corruption, including but not limited to the Bribery Act 2010;	
12.1.2	not engage in any activity, practice or conduct outside of the United Kingdom which would constitute an offence under sections 1,2 or 6 of the Bribery Act 2010 if such activity, practice or conduct was carried out in the United Kingdom;	
12.1.3	promptly report to the Company any request or demand for any undue financial or other advantage of any kind received by the Buyer in connection with the performance of the Contract.	
<b>13 General</b>		
13.1	Any notice required or permitted to be given by either party to the other under these Conditions shall be in writing addressed to that other party at its registered office or principal place of business or such other address as may at the relevant time have been notified pursuant to this provision to the party giving the notice.	
13.2	No waiver by the Company of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.	
13.3	If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected.	
13.4	A person who is not a party to the Contract shall have no right to enforce any term of the Contract by virtue of the Contract (Rights of third Parties) Act 1999.	
<b>14 Disputes</b>		
14.1	If any dispute arises in connection with the Contract, the directors or other senior representatives of the parties with authority to settle the dispute will, within 14 days of receipt of a written notice from one party to the other identifying the nature and details of the dispute, meet or enter into discussions in a good faith effort to resolve the dispute.	
14.2	No party may commence any court proceedings in relation to any dispute arising out of the Contract, unless and until it has attempted to settle the dispute in accordance with condition 14.1 and the relevant meeting or discussions have terminated or the other party has failed to participate in the meeting or discussions, provided that the right to issue proceedings is not prejudiced by a delay.	
<b>15 Governing Law and Jurisdiction</b>		
15.1	The Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, English law, and, subject to condition 14, the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.	
© Illuma Lighting 2015		
Illuma reserves the right to change specifications without notice.		
All pictures and diagrams are for illustrative purposes only. Updated information on the Terms & Conditions and the products can be found online at <a href="http://www.illumaco.uk">www.illumaco.uk</a>		



illuma index by cutout

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