

# lightbout.iQ

PRODUCT BROCHURE

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# lightbout.iQ

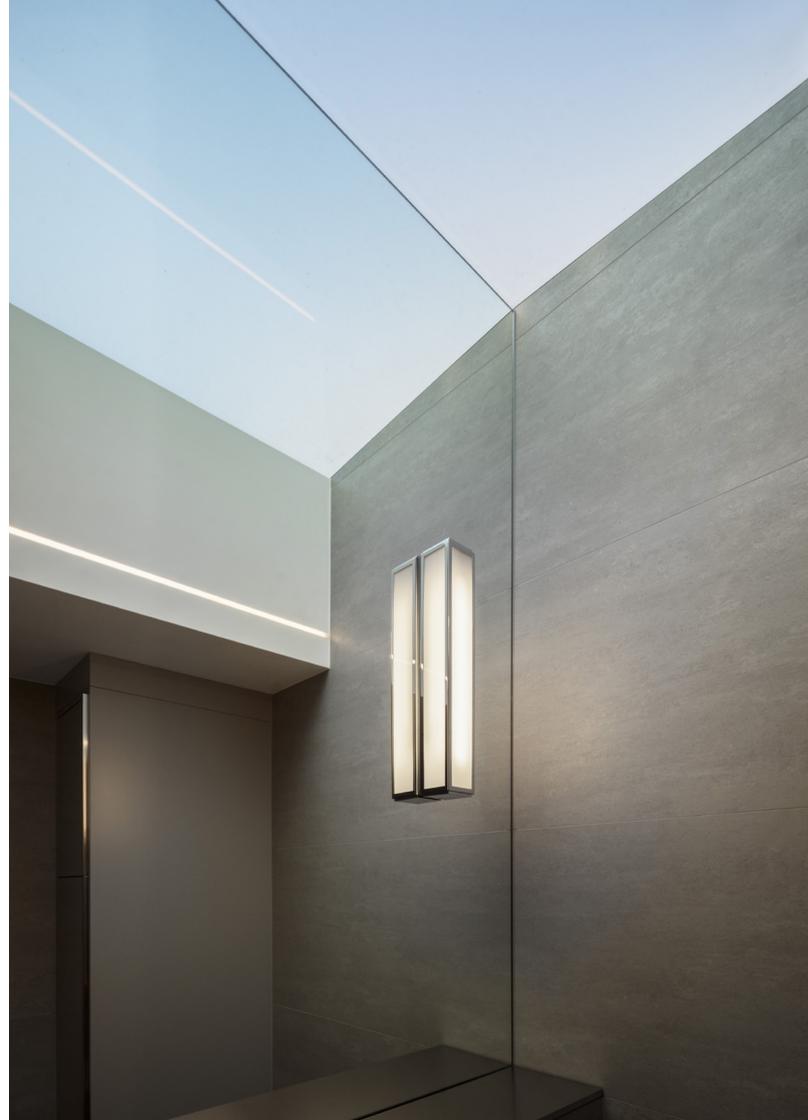
Lightbout.iQ provides a personal service for all your lighting needs. With our in depth knowledge of the market and years of industry experience we can assist you on your projects saving you time and money.

You will be provided with a single point of contact, supported by an in-house technical team. As an independent company, products are sourced from a wide range of manufacturers depending on functionality, light effect and budget.

For convenience products are delivered to site, as required and packaged by room to ensure ease of installation. Lightbout.iQ have an in-house Lutron controls specialist providing full on-site specification and commissioning.

Our Fast Track Design Service offers practical and inspirational advice with hand notated plans. This streamlined service complements the specification process.

2 Please call us on 0208 749 1900 to discuss your project.





## DOWNLIGHTS

Lightbout.iQ offers a range of downlights with a variety of light sources, control gear, optics and sizes to suit all budgets.

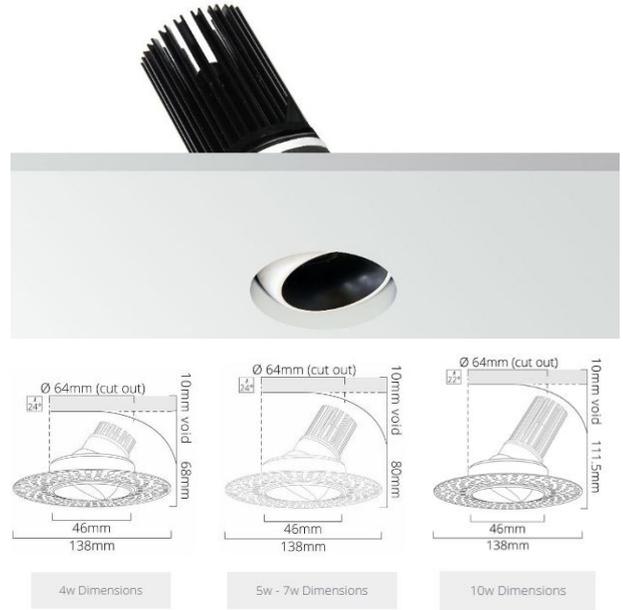
Considerations will include light output, optics, colour rendering, colour temperature and dimming compatibility. We will talk you through these to fine tune your choices.

# TDL6

## TRIMLESS DIRECTIONAL DOWNLIGHT

The TDL6 is a 46mm recessed directional IP65 trimless luminaire with a sophisticated sculpted deep set black or white baffle. Available in fixed, adjustable and trimmed versions.

Light Source:	LED Engine		
Lamp Lumens:	246lm	552lm	895lm
Wattage:	4w	7w	10w
Current:	1050mA or 350mA		
Colour Temperature:	2700k or 3000k		
CRI:	95+		
Beam Angle:	30° or 40°		
Dimming Options:	Mains, 1-10v or DALI		
Bezel:	Trimless (plaster in)		
Cut Out:	Ø 64mm		
IP Rating	IP65		
Fire Rated:	Yes		



## FDL6

### TRIMLESS FIXED DOWNLIGHT

The FDL6 is an elegant small aperture recessed luminaire with a 54mm round bezel which gives a cosy expanding glowing effect. Available in adjustable and trimless versions

Light Source:	LED Engine		
Lamp Lumens:	246lm	552lm	895lm
Wattage:	4w	7w	10w
Current:	1050mA or 350mA		
Colour Temperature:	2700k, 3000k or 4000k		
CRI:	95+		
Beam Angle:	30° or 40°		
Dimming Options:	Mains, 1-10v or DALI		
Bezel:	Trimless (plaster in)		
Cut Out:	Ø 41mm		
IP Rating	IP65		
Fire Rated:	Yes		

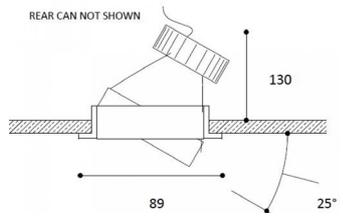


# SRD6

## ADJUSTABLE DOWNLIGHT

The SRD6 downlight is a Round LED recessed dark-light downlight. With a discreet anti-glare look and directional 25° tilt it is suitable for all general downlight applications.

Light Source:	See LED Specification page
Lamp Base:	GU10, GU5.3 or empty for LED Module
Bezel:	Bezel
Finish:	White or RAL
Cut Out:	68mm
IP Rating	IP20 or IP54
Tilt:	25°
Interior Baffle:	White or Black / Shallow or Deep

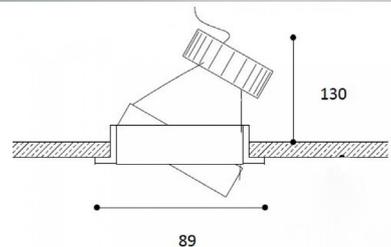


# SRD6F

## ADJUSTABLE DOWNLIGHT

The SRD6F fire-rated downlight is a round LED Recessed dark-light downlight. With a discreet anti-glare look and directional 25° tilt it is suitable for all general downlight applications.

Light Source:	See LED Specification page
Lamp Base:	GU10, GU5.3 or empty for LED Module
Bezel:	Bezel
Finish:	White or RAL
Cut Out:	79mm
IP Rating	IP20 or IP54
Tilt:	25°
Interior Baffle:	White or Black / Shallow or Deep
Fire Rated:	Yes



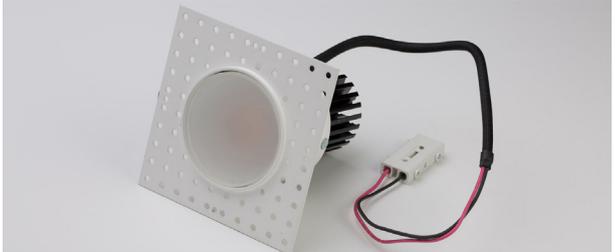
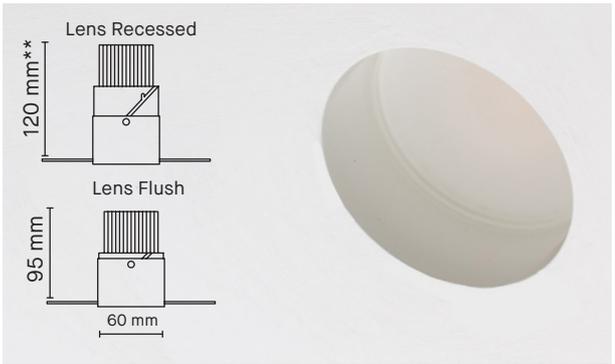
# LUNA 6

## FIXED DOWNLIGHT

The Luna range of downlighters have been designed with a clean and minimalist architectural style. It comes fitted with an IP65 low iron, optical glass diffuser to provide a soft even illumination with the ability to adjust between flush and recessed positions.

Light Source:	LED - Xicato XTM		
Lamp Lumens:	720lm	965lm	1300lm
Wattage:	7.4w	10.9w	15.6w
Current:	350mA	500mA	700mA
Colour Temperature:	2700k, 3000k, 3500k* or 4000k*		
CRI:	>95 (Typical 97)		
Beam Angle:	16°, 24° or 40°		
Dimming Options:	Mains, 1-10v or DALI*		
Bezel:	Trimless		
Cut Out:	Ø 66mm		
IP Rating	IP20 or IP65		

\* Available upon request  
 \*\* Smaller Heatsync available upon request

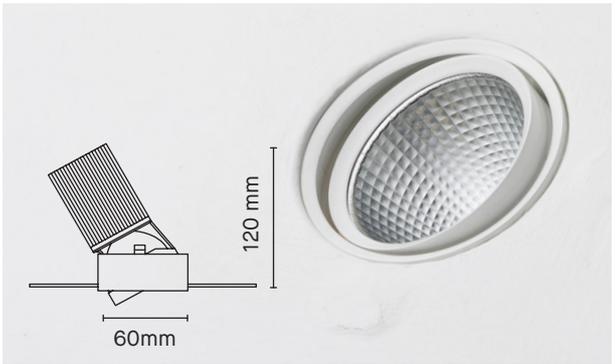


# LUNA 6

## ADJUSTABLE DOWNLIGHT

The Luna range of downlighters have been designed with a clean and minimalist architectural style.

Light Source:	LED - Xicato XTM		
Lamp Lumens:	400lm	550lm	700lm
Wattage:	4.6w	6.8w	9.7w
Current:	350mA	500mA	700mA
Colour Temperature:	2700k, 3000k, 3500k* or 4000k*		
CRI:	>95 (Typical 97)		
Beam Angle:	28°		
Dimming Options:	Mains, 1-10v or DALI*		
Bezel:	Trimless		
Cut Out:	Ø 66mm		
IP Rating	IP20		
Tilt:	28°		



\* Available upon request

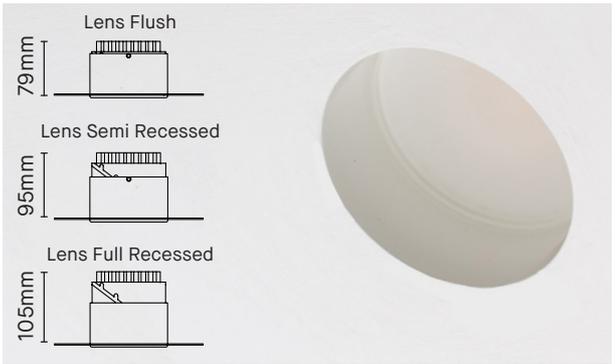
# LUNA IO

## FIXED DOWNLIGHT

The Luna range of downlighters have been designed with a clean and minimalist architectural style. It comes fitted with a low iron, optical glass diffuser to provide a soft even illumination with the ability to adjust between flush and 2 step recessed positions.

Light Source:	LED - Xicato XTM		
Lamp Lumens:	800lm	1055lm	1400lm
Wattage:	8.2w	11.9w	17w
Current:	350mA	500mA	700mA
Colour Temperature:	2700k, 3000k, 3500k* or 4000k*		
CRI:	>95 (Typical 97)		
Beam Angle:	40°		
Dimming Options:	Mains, 1-10v or DALI*		
Bezel:	Trimless		
Cut Out:	Ø 105mm		
IP Rating	IP20		

\* Available upon request  
 \*\* Smaller Heatsync available upon request

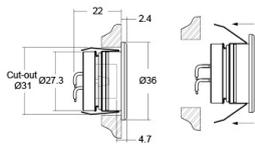
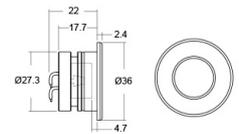


# LB40

## REDUCED DEPTH ACCENT LIGHT

LB40 has been designed for use in applications where recess depth is at a minimum. The high power Cree XPG LED and range of optics make this a very useful, compact light fitting. Applications include shelf lighting and under kitchen cabinets.

Light Source:	Cree XPG LED Module
Lamp Lumens:	72lm    112lm
Wattage:	1.2w    1.7w
Current:	350mA    500mA
Colour Temperature:	2700k or 3000k
CRI:	93
Beam Angle:	12°, 31°, 48° or 36° x 12° oval
Dimming Options:	Mains, 1-10v or DALI*
Finish:	White, Bronze, Stainless Steel 316 or Ral
Cut Out:	Ø 32mm
IP Rating	IP67
Fixing:	Spring Clips or Installation Sleeve



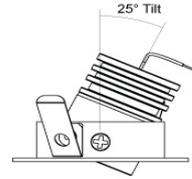
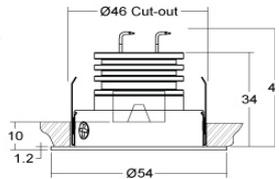
\* Available upon request

# LB7 I

## ADJUSTABLE ACCENT LIGHT

LB71 is a miniature adjustable LED downlight ideal for display, niches or general downlighting effects. It is very discreet with the LED set back by 10mm to reduce the glare, with a maximum tilt of 25°.

Light Source:	Cree XPG LED Module
Lamp Lumens:	75lm    99lm    127lm
Wattage:	1.2w    1.7w    2.4w
Current:	350mA    500mA    700mA
Colour Temperature:	2700k or 3000k
CRI:	93
Beam Angle:	12°, 31° or 48°
Dimming Options:	Mains, 1-10V` or DALI*
Finish:	Paint: Black, White, Sliver (Ral) or Chrome*
Cut Out:	Ø 46mm
IP Rating	IP40 or IP54*



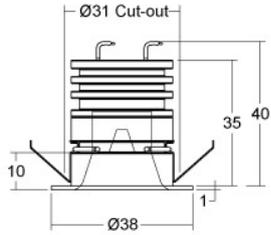
\* Available upon request

# LB72

## MINATURE DOWNLIGHT

LB72 is a miniature LED downlight ideal for display, niches or general downlighting effects. It is very discreet with the LED set back by 10mm to reduce the glare, and a powder coated bezel which can be matched to the mounting surface.

Light Source:	Cree XPG LED Module		
Lamp Lumens:	75lm	99lm	127lm
Wattage:	1.2w	1.7w	2.4w
Current:	350mA	500mA	700mA
Colour Temperature:	2700k or 3000k		
CRI:	93		
Beam Angle:	12°, 31° or 48°		
Dimming Options:	Mains, 1-10v, DMX or DALI*		
Finish:	Paint: Black, White, Sliver (Ral) or Chrome*		
Cut Out:	Ø 32mm		
IP Rating	IP40 or IP54*		



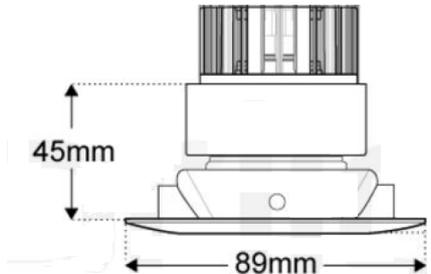
\* Available upon request

# DRD9

## ADJUSTABLE DOWNLIGHT

DRD9 is a directional architectural downlight featuring an anti-glare baffle and magnetic lamp change mechanism. 360 Degree rotation and tilt capability. The fixture is available in a variety of finishes.

Light Source:	See LED Specification page
Lamp Base:	GU10, GU5.3 or empty for LED Module
Colour Temperature:	2700k or 3000k (as standard)
Finish:	White, Chrome, Satin Chrome, Black or RAL
Cut Out:	Ø 78mm
IP Rating	IP20 or IP54
Tilt:	30°
Interior Baffle:	White or Black

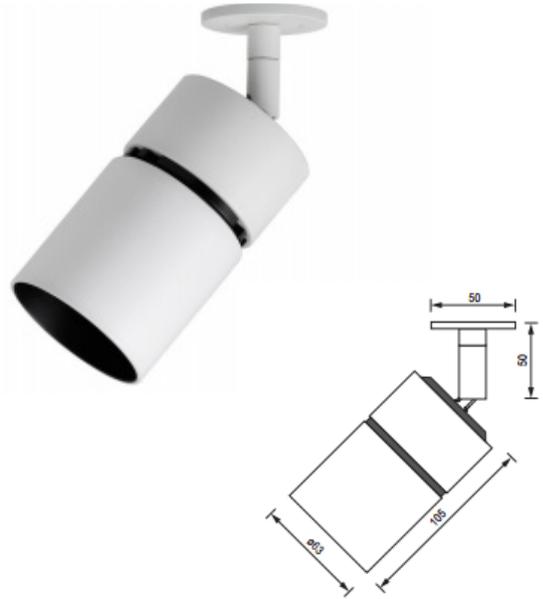


# 60 SPOT

## SURFACE MOUNTED SPOT LIGHT

The 60 Spot is a new sleek LED spot light, perfect for retail and artwork lighting in both commercial and residential projects.

Light Source:	LED Module
Wattage:	8W
Lumens:	630Lm
Current:	500mA
Colour Temperature:	2700K, 3000K or 4000K
CRI:	96
Beam Angle:	12°, 22° or 34°
Mounting Options:	Surface, Artpoint, 24v Track or 230v Track
Dimming Options:	1-10v, DALI, Phase
Finish:	White, Black, Brushed Aluminium or Custom
IP Rating	IP40

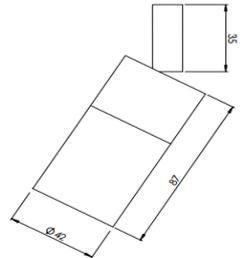


# 40 SPOT

## SURFACE MOUNTED SPOT LIGHT

The 40 Spot is a new sleek LED spot light, perfect for retail and artwork lighting in both commercial and residential projects.

Light Source:	LED Module
Wattage:	3.9w
Lumens:	275-320Lm
Current:	1200mA
Colour Temperature:	2700K, 3000K or 4000K
CRI:	96
Beam Angle:	12°, 20° or 30°
Mounting Options:	Surface, Artpoint, 24v Track or 230v Track
Dimming Options:	1-10v, DALI, Phase
Finish:	White, Black, Brushed Aluminium or Custom
IP Rating	IP40



# LED MODULES

## RETROFIT OPTICAL LIGHT ENGINES

Within the range of downlights offered by lightbout.iQ there are multiple LED light sources which can be retrofitted to suit a variety of different applications. Please call us to discuss your options. Allow us to simplify the choices for you.

### SLE16 - Optical Light Engine

- Wattage: 12.2w
- Lumens: 680Lm
- Current: 440mA
- Colour Temperature: 2700k, 3000k,4000k
- CRI: 95
- Beam Angle: 15°, 25° or 36°
- Dimming Protocol: 1-10V, Mains, DALI



### SLE11 - Optical Light Engine

- Wattage: 6.7w
- Lumens: 405Lm
- Current: 240mA
- Colour Temperature: 2700k, 3000k, 4000k
- CRI: 95
- Beam Angle: 25° or 36°
- Dimming Protocol: 1-10v, Mains, DALI



### Snap Fit Accessories

Available on the SLE16 15°

- Louvres
- CCT Shifters
- Beam Spreader
- Linear Beam Spreader



# LED MODULES

## RETROFIT LAMPS

Within the range of downlights offered by lightbout.iQ there are multiple LED light sources which can be retrofitted to suit a variety of different applications. Please call us to discuss your options. Allow us to simplify the choices for you.

### SGU10 - LED GU10 Lamp

- Wattage: 7.5w or 9w
- Lumens: 290 - 410Lm
- Voltage: 230v
- Colour Temperature: 2700k, 3000k, 4000k
- Beam Angle: 10', 25', 36' or 60'
- Dimming Protocol: Lead/Trailing Edge
- Lamp Base: GU10



### SGU5.3 - LED MR16 GU5.3 Lamp

- Wattage: 7.5 or 9W
- Lumens: 410Lm or 465LM
- Voltage: 12v
- Colour Temperature: 2700k, 3000k or 4000k
- Beam Angle: 10', 25' or 36'
- Dimming Protocol: Trailing Edge
- Lamp Base: Gu5.3



### Snap Fit Accessories

- Available on the SGU10 & SGU5.3 7.5w 10°
- Louvres
- CCT Shifters
- Beam Spreader
- Linear Beam Spreader

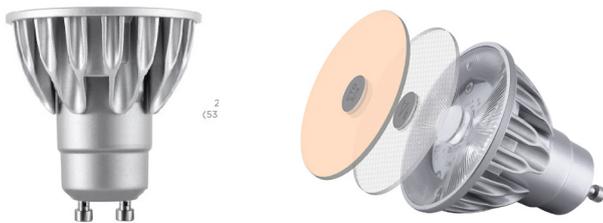


# COMPARISON

## LAMPS Vs.OPTICAL LIGHT ENGINES

### Retrofit lamp bases

- Tried and tested
- Multiple beams available
- Accessories available
- Variety of colour temperatures
- Dimming compatibility difficulties



### Optical Light Engines:

- New technology
- Multiple beams available
- Accessories available
- Variety of colour temperatures
- Dedicated LED dimming interfaces





## LINEAR LED TAPE

Lightbout.iQ offers a range of Linear LED products to suit every project. Ranging from off the shelf reels of linear LED tape and discreet profiles to custom encapsulated LED's for wet locations.

Our service includes cutting lengths and profiles to order with pre connected tails for ease of onsite installation. This ensure the LED's remain protected as they arrive to site in their profiles and that soldering is kept off site.

When purchasing LED's considerations include light output, lit effect, colour temperature, colour rendering and IP rating. We will talk you through these to fine tune your choices and can demonstrate the full range in our show room.

# RINA

## 5W/M LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	5w/m
Lumens Per Meter:	250lm/m
Voltage:	24vDC
Colour Temperature:	2000k, 2400K, 2700K or 3000K
CRI:	>93
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 5 Meters
Cut Points:	100mm (+0.5)
Profile:	See Profile Page
IP Rating	IP20



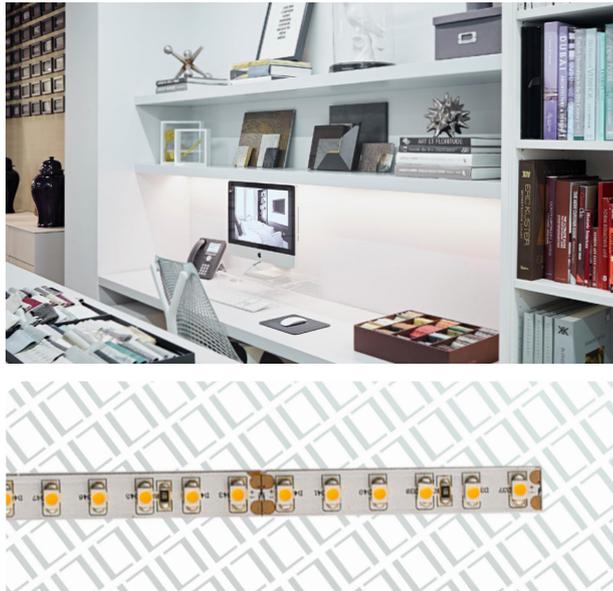
\* Available upon request

# RINIA

## 10W/M LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	10w/m
Lumens Per Meter:	480lm/m
Voltage:	24vDC
Colour Temperature:	2000K, 2400k, 2700K, 3000K or 4000K
CRI:	>93
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 4 Meters
Cut Points:	50mm (+0.5)
Profile:	See Profile Page
IP Rating	IP20



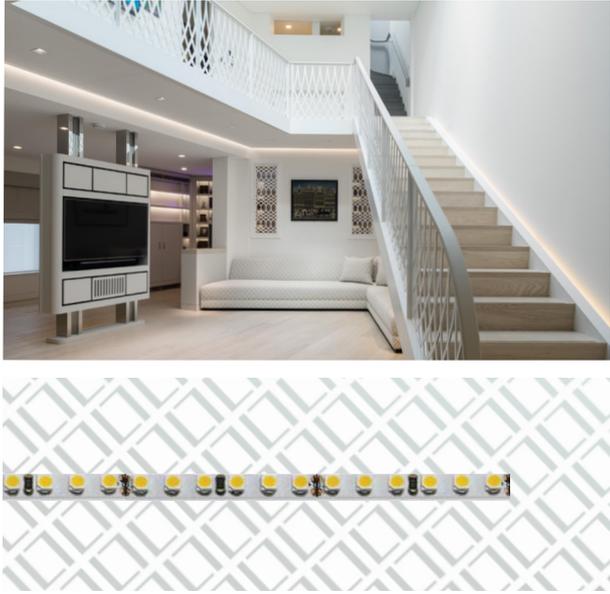
\* Available upon request

# RINIA

## I 5W/M LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	15w/m
Lumens Per Meter:	1026lm/m
Voltage:	24vDC
Colour Temperature:	2400K, 2700K or 3000K
CRI:	>93
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 3 Meters
Cut Points:	33mm (+0.25)
Profile:	See Profile Page
IP Rating	IP20



\* Available upon request

# RINIA

## 20W/M LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	20w/m
Lumens Per Meter:	960lm/m
Voltage:	24vDC
Colour Temperature:	2000K, 2400K, 2700K or 3000K
CRI:	>93
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 3 Meters
Cut Points:	33mm (+0.25)
Profile:	See Profile Page
IP Rating	IP20



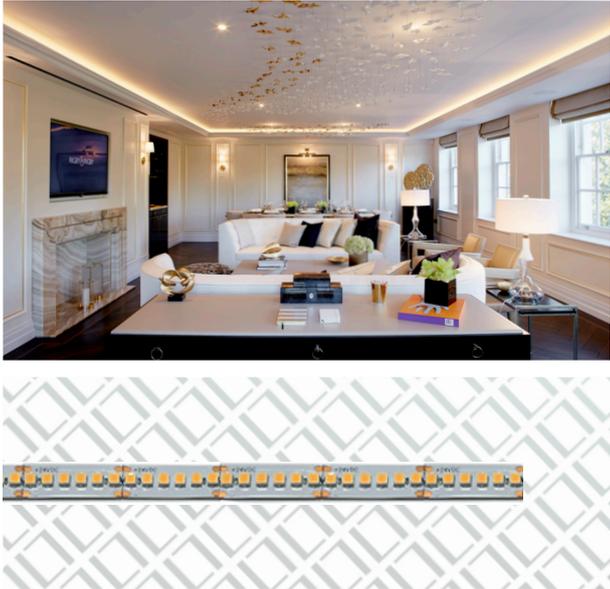
\* Available upon request

# RINIA

## 24W/M LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	24w/m
Lumens Per Meter:	1557lm/m
Voltage:	24vDC
Colour Temperature:	2700K or 3000K
CRI:	>97
Beam Angle:	120°
Dimming Options:	1-10V, Mains* or DALI*
Length:	Maximum 3 Meters
Cut Points:	25mm (+0.25)
Profile:	See Profile Page
IP Rating	IP20



\* Available upon request

# RINA

## IP65 5w/m LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	5w/m
Lumens Per Meter:	455lm
Voltage:	24vDC
Colour Temperature:	2700K
CRI:	>80
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 5 Meters
Cut Points:	100mm (+0.25)
Profile:	See Profile Page
IP Rating	IP65



\* Available upon request

# RINA

IP54 10w/m  
LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	10w/m
Lumens Per Meter:	575lm
Voltage:	24vDC
Colour Temperature:	2400K or 2700K
CRI:	>93
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 5 Meters
Cut Points:	100mm (+0.25)
Profile:	See Profile Page
IP Rating	IP54



\* Available upon request

# RINA

## IP65 | 5w/m LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	15w/m
Lumens Per Meter:	690 lm/m
Voltage:	24vDC
Colour Temperature:	2700K
CRI:	>80
Beam Angle:	120°
Dimming Options:	1-10v, Mains* or DALI*
Length:	Maximum 5 Meters
Cut Points:	100mm (+0.25)
Profile:	Silicon Mounting Clip
IP Rating	IP65



\* Available upon request

## RINA

### RGBW 10w/m LINEAR LED TAPE

The Rinia range of LED tapes provides a comprehensive, high quality product suitable for residential and commercial applications. It has been used in award winning projects worldwide and is available for next day delivery. Rina LED tape is cut to length in custom profiles with end caps and pre wired tails. This popular chargeable service ensures ease of installation on site.

Watts Per Meter:	10w/m
Lumens Per Meter:	Red, Green, Blue, White (3000K)
Voltage:	24vDC
Colour Temperature:	456lm/m
CRI:	>96.4
Beam Angle:	120°
Dimming Options:	1-10v, DMX* or DALI*
Length:	Maximum 5 Meters
Cut Points:	167mm (+0.25)
Profile:	See Profile Page
IP Rating	IP20



\* Available upon request

# RINIA

## ALUMINIUM PROFILES

The Rinia range of aluminium profiles protect the tape from the environment, work as a heat-sink for optimum LED performance, as well as controlling and diffusing the light output. The aluminium is double anodised and the acrylic PMMA cover is supplied in frosted as standard.

### Classic Slim

Dimensions: (no clips) 17.2mm (w) x 8mm (h)  
Material: Aluminium  
Length: 1000mm or 2000mm



### Classic Deep

Dimensions: (no clips) 17.2mm (w) x 15.3mm (h)  
Material: Aluminium  
Length: 1000mm or 2000mm



### Corner Slim

Dimensions: (no clips) 16mm (w) x 16mm (h)  
Material: Aluminium  
Length: 1000mm or 2000mm



# RINIA

## ALUMINIUM PROFILES

Popular with our commercial clients are the custom RAL finishes. The profiles come in two meter lengths as standard, are usually in stock for next day delivery and can be cut to size as required.

### Corner Deep

Dimensions: (no clips) 18.5mm (w) x 18.5mm (h)

Material: Aluminium

Length: 1000mm or 2000mm

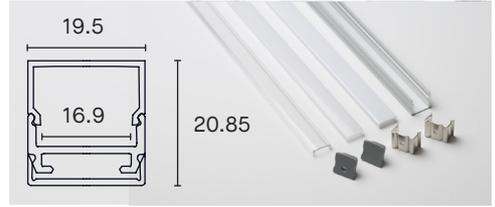


### Box Profile

Dimensions: (no clips) 19.5mm (w) x 20.85mm (h)

Material: Aluminium

Length: 1000mm or 2000mm

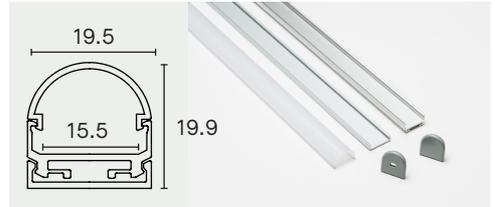


### Dome Profile

Dimensions: (no clips) 19.5mm (w) x 19.9mm (h)

Material: Aluminium

Length: 1000mm or 2000mm



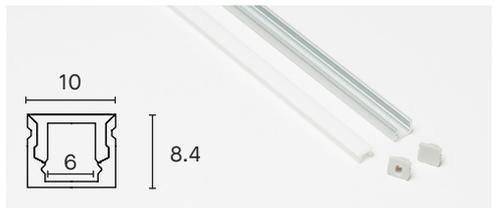
# RINIA

## ALUMINIUM PROFILES

Popular with our commercial clients are the custom RAL finishes. The profiles come in two meter lengths as standard, are usually in stock for next day delivery and can be cut to size as required.

### Mini Profile

Dimensions: (no clips) 10mm (w) x 8.4mm (h)  
Material: Aluminium  
Length: 1000mm or 2000mm



### Mini Deep Profile

Dimensions: (no clips) 10mm (w) x 13mm (h)  
Material: Aluminium  
Length: 1000mm or 2000mm



### Bendable Profile

Dimensions: (no clips) 18mm (w) x 5.7mm (h)  
Material: Aluminium  
Length: 1000mm or 2000mm

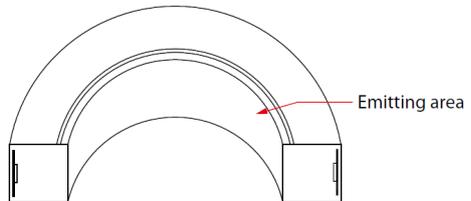
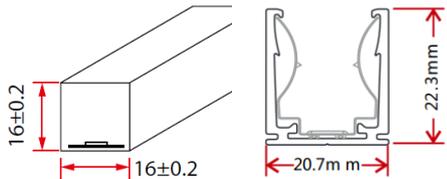


# RINIA FLEX TOP

ARCHITECTURAL LINEAR LED

The Rinia Flex top with its flexible circuit board can be use in a wide range of applications including use in wet areas.

Watts Per Meter:	10.5w/m
Lumens Per Watt:	320lm/m
Voltage:	24vDC
Colour Temperature:	2700k or 2400k
CRI:	>70 or >80
Beam Angle:	160°
Dimming Options:	1-10v, DALI* or Mains*
Length	50mm channel with mount clips
Profile:	Options
IP Rating	IP68
UV Resistant:	Yes

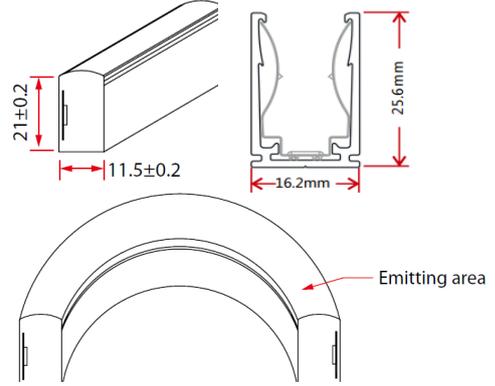


# RINIA FLEX SIDE

ARCHITECTURAL LINEAR LED

The Rinia Flex side with its flexible circuit board can be use in a wide range of applications including use in wet areas.

Watts Per Meter:	12w/m
Lumens Per Watt:	320lm/m
Voltage:	24vDC
Colour Temperature:	2700k or 2400k
CRI:	>70 or >80
Beam Angle:	160°
Dimming Options:	1-10v, DALI* or Mains*
Length	Maximum 10 Meters
Profile:	50mm channel with mount clips
IP Rating	IP68
UV Resistant:	Yes





## UPLIGHTS & STEP LIGHTS

Lightbout.iQ offers a range of different uplights and low level step lights to suit every project and price range. Ranging from discrete uplights for dramatic lighting to robust step lights for exterior environments.

Considerations include optics, IP rating, size, glare control & most importantly any requirements for fixing such as concrete and plaster sleeves.

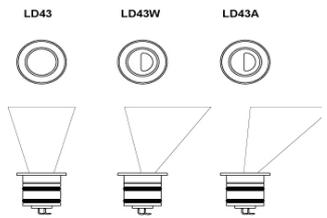
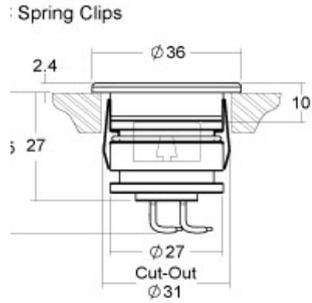
Often overlooked at first fix is the position required for the drivers as well as detailed positioning of the fitting to ensure the optimum effect is achieved.

# LB43

## MINATURE LED UPLIGHT

LB43 is a powerful, miniature recessed LED wall light. IP Rated (IP68) this high quality fitting can be used for interior or exterior applications including yachts. Designed for applications where low glare is important as the lens assembly is set back.

Light Source:	LED Module	
Wattage:	1.2w	1.7w
Lumens:	72lm	95lm
Current:	350mA	500mA
Colour Temperature:	2700k, 3000k or 5000k*	
CRI:	93	
Beam Angle:	12°, 31°, 48° or 36° x 12° oval + Glare Guard*	
Dimming Options:	Mains, 1-10v or DALI*	
Finish:	Stainless Steel, Bronze, Black or RAL	
Cut Out	Ø 31mm	
IP Rating	IP68	
Fixing:	O Ring or Installation Sleeve	

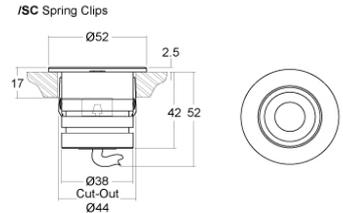


# LB56

## MEDIUM LED UPLIGHT

The LB56 packs a lot of features into a very compact product. It is an incredibly versatile. The LED is set back for reduced glare, whilst the optics offer fantastic beam shape and spread. This is a very tough, high quality fitting, Machined from high grade materials.

Light Source:	LED Module	
Wattage:	1.2w	1.7w
Lumens:	74lm	98lm
Current:	350mA	500mA
Colour Temperature:	2700k, 3000k or 5000k*	
CRI:	93	
Beam Angle:	12°, 31°, 48° or 36° x 12° oval + Glare Guard*	
Dimming Options:	Mains, 1-10v, DMX or DALI*	
Finish:	Stainless Steel, Bronze, Black or RAL	
Cut Out	Ø 44mm	
IP Rating	IP68	
Fixing:	Concrete Housing or Ground Tube	

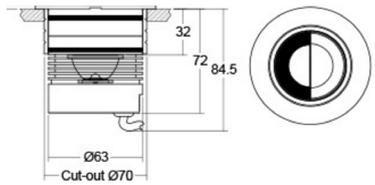
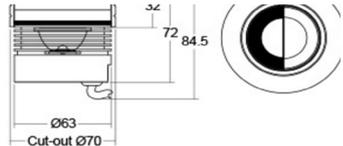


# LB | 5 |

## LARGE LED UPLIGHT

The LB151 is a high power buried LED uplighter has been designed to produce low glare illumination to walls and columns. Featuring a glare shield and deep recessed lamp this IP67 rated fitting is a very powerful luminaire for its size and depth.

Light Source:	LED
Wattage:	5w      7w
Current:	350mA    500mA
CRI:	93
Colour Temperature:	2700k, 3000k, 5000k or RGBW
Beam Angle:	12°, 31° or 48°
Dimming Options:	Mains, 1-10v, DMX or DALI*
Finish:	Stainless Steel, Bronze, Black or RAL
Cut Out	Ø 70mm
IP Rating	IP67
Fixing:	O Ring or Installation Sleeve

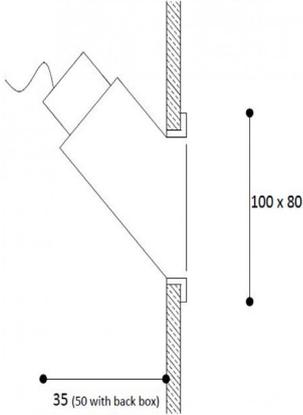


# SL I

## LED STEP LIGHT

SL1 is a classic low level; glare free step light. Suitable for step-washing and general pathway lighting. It is available in a variety of finishes to suit any project.

Light Source:	LED
Wattage:	1w or 3w
Lumens:	200Lm
Current:	350mA or 700mA
Colour Temperature:	2700k or 3000k
Dimming Options:	1-10v, Mains or DALI
Finish:	White or Custom RAL
Cut Out:	77mm x 65mm
IP Rating	Optional IP65

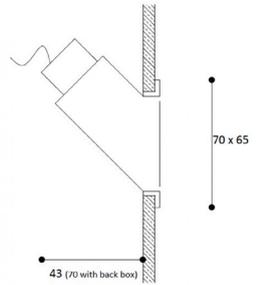


# SL2

## MINI LED STEP LIGHT

SL2 is a classic stainless steel glare free. Suitable for step-washing and general orientation lighting.

Light Source:	LED
Wattage:	3w
Current:	350mA
Colour Temperature:	2700k or 3000k
Dimming Options:	1-10v, Mains or DALI
Finish:	316 Brushed Stainless Steel
Cut Out:	63mm x 63mm
IP Rating	IP65

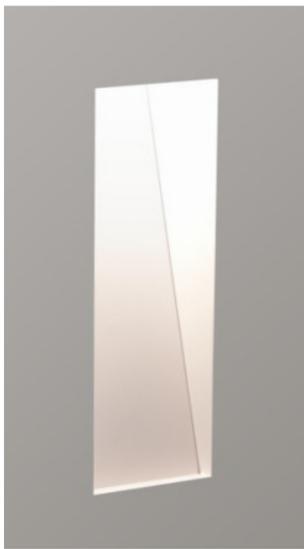
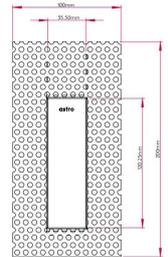


# TSL

## TRIMLESS STEP LIGHT

Discrete LED plaster in lo level floor washer gently illuminates the floor to provide a soft glow of light. The LED is recessed into the fitting and hidden from view. Available in a variety of sizes and finishes to suit any environment.

Light Source:	LED	
Wattage:	2w	3w
Current::	700mA	700mA
Colour Temperature:	2700K	3000K
Dimming Options:	Phase Dimmable	
Finish:	White,Stainless Steel or Brushed Stainless Steel	
Size	(H) 33mm or 65mm or 98mm or 120mm 200mm	
IP Rating	IP20	

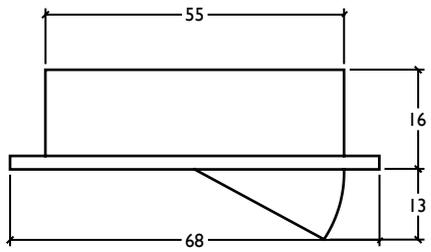


# SHELF LIGHT

## ROUND FIXED COWL

The shelf light is a precision machined cowled LED under cabinet light which requires only a 18mm recess making it ideal for bespoke cabinetry, Kitchen cupboards, bookcases and bathroom cabinets, display shelving etc.

Light Source:	LED
Wattage:	1w
Current:	350mA
Colour Temperature:	2700K or 3000k
Beam Angle:	/
Dimming Options:	Switched
Finish:	White,Stainless Steel, Bronze..
Cute Out:	60mm
IP Rating	IP20

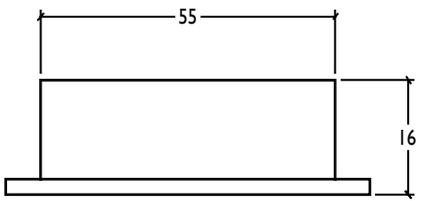
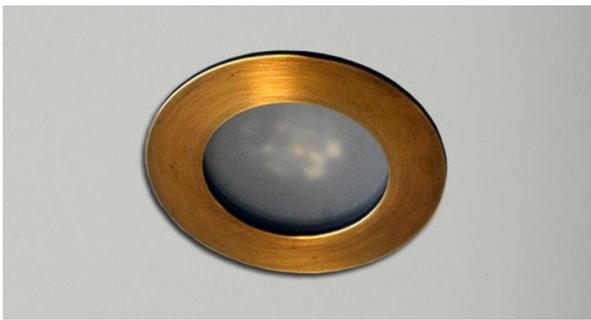


# SHELF LIGHT

## ROUND FIXED

The shelf light a precision machined Flat Bezel LED Under cabinet light which requires only a 18mm recess making it ideal for bespoke cabinetry, Kitchen cupboards, bookcases and bathroom cabinets, display shelving etc

Light Source:	LED
Wattage:	1w
Current:	350mA
Colour Temperature:	2700K or 3000k
Beam Angle:	/
Dimming Options:	Switched
Finish:	White,Stainless Steel, Bronze..
Cute Out:	60mm
IP Rating	IP20



# GLOSSARY

## KEY TERMS

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### Aperture:

An opening through which light travels such as a window or wall opening.

### Baffle:

An opaque or translucent element that serves to shield a light source from direct view at certain angles, or serves to absorb unwanted light.

### Beam Angle:

The diameter of the pattern of light produced by a lamp, or lamp and luminaire together.

### Bin:

The way of measuring LEDs colour, flux and forward voltage to deliver to the market in subclasses or groups called bins.

### Cable Voltage Drop:

A reduction in electrical pressure in a cable resulting from increasing distance from the power source or increased power drawn along the cable.

### Colour Rendering Index (CRI):

A quantitative measure of the ability of a light source to reveal the colours of various objects.

### Correlated Colour Temperature (CCT):

Colour temperature is a way to describe the light appearance provided by a lamp. It is measured in degrees of Kelvin.

### Driver:

An electronic power supply required to power an LED source.

### Low-voltage Lighting:

A transformer is used to help convert the voltage to a lower level.

### Lumen (Lm):

A measure of the total amount of visible light emitted by a source. Lumens are related to lux in that one lux is one lumen per square metre.

### Spreader Lens:

A glass lens used to diffuse and widen or elongate light beam patterns.



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