

# LD22

High power 24V Linear LED cove light



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Product: LD22  
Design: Maurice Brill Lighting Project: 20 Fenchurch Street

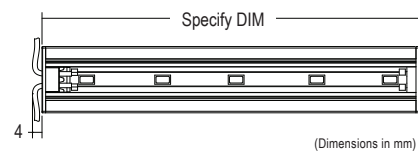
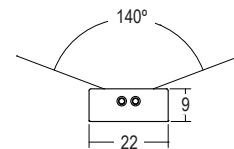
LD22 is a very small, low profile linear system. Designed to maximise the light output with a broad beam, it is ideal for coves, shelf details, recesses and highlighting architectural details. It is a 24V DC system allowing long lengths to be powered from a single driver.

**Design Tip:** Our 900lm/m LGX9C board offers a more than adequate amount of light for a bright cove detail. At 12.5W/m it enables 12m to be run off one 150W driver.

## Key Features

- Choice of LED outputs depending on the application including RGB
- Very low profile
- Clear cover is supplied as standard. A frosted diffuser can be specified, creating a softer light effect which can be useful in tight details
- A range of fixing options including a miniature adjustable bracket allows maximum flexibility
- IP40 as standard with an IP54 option for pool/spa coffers (not exterior applications)
- Lengths are custom made to suit to a maximum of 3000mm\*\*, so no dark spots!
- Short pieces can be made interlinked to accommodate curves
- Non-fade Rosco filters can be used to achieve colour temperatures of 2200K
- Available with Switched, 1-10V, DMX or Dali drivers

## Dimensions



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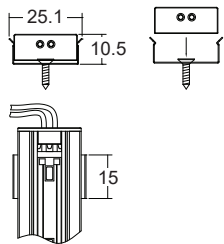
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LED output options	Eco 220 lm/m		LGX9C 900 lm/m		LG2000 2000 lm/m		RGB 435 lm/m
Applications							
	<p>Highlighting architectural details, steps</p>		<p>Cove, shelf details, recesses</p>		<p>High power applications</p>		<p>Colour change</p>
Description	Eco output tape		LightGraphix high output LED board		High output tape		RGB tape
Colour Temperature	2700K / 3000K	4000K	2700K / 3000K	4000K / 5000K	2700K / 3000K	4000K / 5000K	-
Delivered lumens / m	220lm/m	240lm/m	900lm/m	1000lm/m	2000lm/m	2000lm/m	435 lm/m
Watts / m	3.6W/m		12.5W/m		15W/m		18W/m
Lumens per watt	61lm/w		70lm/w		133lm/w		24.1 lm/w
Voltage (V)	24V DC						
CRI	85						-
LED	Osram Flex		LGX board with Osram Duris LEDs		Osram Flex		
LED cut increments	100mm		75mm		100mm		100mm
LED spacing	20mm		25mm		14.3mm		25mm
Min single length	113mm		75mm		114mm		114mm
Max single length**	3000mm						
LED lifetime	50,000hrs (to 70% lumen output)						
Max ambient temperature	45°C						
Materials	Silver anodised aluminium extrusion with ABS plastic end caps. Stainless fixing clips. Anodised aluminium brackets.						
IP rating	IP40 as standard (IP54 option for pool/spa applications - not for exterior use)						

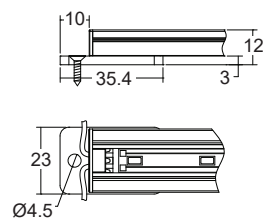
\* Shipping and practicalities of installation need to be considered when specifying long lengths

## Fixing Options

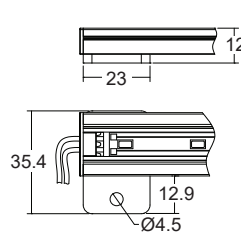
### /SC - Spring clip fixing



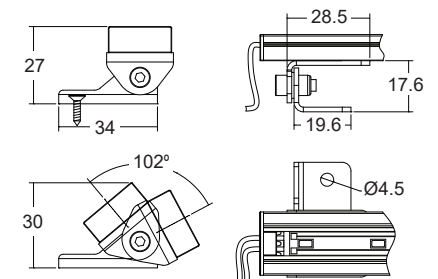
### /BEM - Bracket end mounting



### /BSM - Bracket side mounting



### /ABM - Adjustable bracket mounting



(Dimensions in mm)

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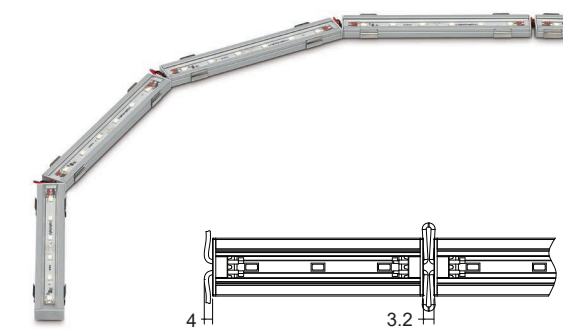
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Project: Private Residence  
Design: Spectron  
Product: LD22

## Linked sections

LD22 can be linked to allow for curves. The length of each module depends on the LED used and the radius of the curve.

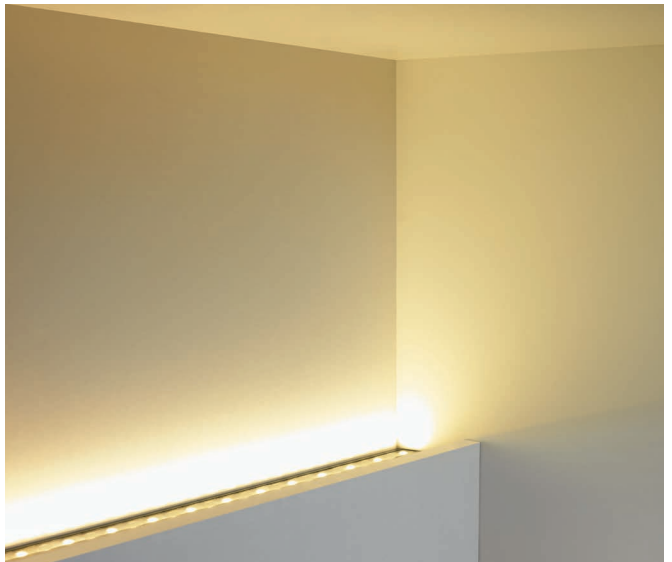


## Cover options

Frosted cover diffuses the light source and softens the beam edges

/CC - Clear cover

/FC - Frosted cover



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## Photometrics

Photometric files are included in the design pack which can be downloaded from the LD22 product page on the website.

## Order Codes and Options

Product code	LED	LED colour	Cover	Fixing option	IP rating	Length
LD22						

Example: LD22 / LGX9C / LW30 / CC / SC / IP40 / 2000mm

### LED output options

		Suffix
Eco	220 lm/m	/Eco
LGX9C	900 lm/m	/LGX9C
LG2000	2000 lm/m	/LG2000
RGB	475 lm/m	/RGB

### LED colour options

Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K Eco, LGX9C, LG2000)	/LW40
Cool White (5000K LGX9C, LG2000)	/LW50

### Fixing options

Spring Clips	/SC
Bracket end mounting	/BEM
Bracket side mounting	/BSM
Adjustable bracket mounting	/ABM

### IP options

IP40 (internal use as standard)	/IP40
IP54 rated for moist environments (not for exterior use)	/IP54

### To be used with 24V constant voltage LED Drivers and Controllers

We offer a range of drivers with 1-10V, DMX, and DALI dimming options. Please download the data sheet from the downloads section at [www.lightgraphix.co.uk](http://www.lightgraphix.co.uk), or contact us for more information