LD Flexi

IP68 Flexible 24V Linear LED
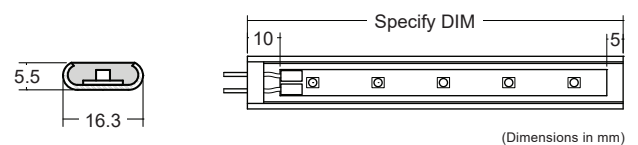
24V IP68 F

Data sheet - Page 1

LD Flexi is a robust, very shallow, IP68 rated flexible 24V linear LED product. Ideal for a range of architectural applications such as step details. LD Flexi is not intended for permanent underwater use.

Please note colour shift: Due to the resin being in contact with the LED there is a colour shift of around 600K to a cooler white colour temperature. This means the warmest white we can supply is 3000K which uses 2400K LED tape.

Key Features

- Choice of LED outputs depending on the application, including RGB
- Specially designed PVC extrusion which is robust but very flexible with excellent resistance to chemical attack
- LEDs are encapsulated in an optically clear UV resistant polyurethane resin
- Fixing is by stainless steel fixing clips, with a choice of two depending on the installation detail
- LD Flexi only bends in the vertical plane (around the thinnest side), to a minimum bend radius of 200mm
- Lengths are custom made to suit to a maximum of 3015mm**
- Available with Switched, 1-10V, DMX or Dali drivers

Dimensions

5.5

16.3

Specify DIM

10

5

(Dimensions in mm)

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24V IP68

| LED output options	Eco 220 lm/m		Short 800 lm/m		RGB ECO 180 lm/m
Applications					
	Highlighting architectural details, steps		Same applications as Eco but with increased output and closer pitch LEDs		Colour change
Description	Eco output tape		Short pitch tape		RGB tape
Colour Temperature*	**3300K** (2700K)*	**4600K** (4000K)*	**3000K** (2400K)* / **3300K** (2700K)* / **3600K** (3000K)*	**4600K** (4000K)* / **5600K** (5000K)*	-
CRI	80+				-
Delivered lumens / m	220lm/m	240lm/m	800lm/m	850lm/m	180lm/m
Watts / m	3.6W/m		8.7W/m		6.5W/m
Lumens per watt	61lm/w		92lm/w	98lm/w	-
LED cut increments	100mm		50mm		150mm
LED spacing	20mm		8.3mm		30mm
Min single length	115mm		65mm		165mm
Max single length**	3015mm		3015mm		3015mm
LED	Osram Flex				
Voltage (V)	24V DC				
LED lifetime	50,000hrs (to 70% lumen output)				
Max ambient temperature	45°C				30°C
Minimum bend radius	200mm				
Materials	LD Flexi - PVC extrusion, polyurethane resin, polycarboate end cap. Fixing clips - stainless steel.				
Cable length	2m (can be specified with up to 10m at extra cost)				
IP rating	IP68 - Not for permanent submersion				

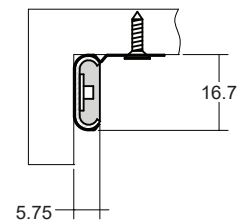* Resin used within the LD Flexi causes a 600K shift. Bracketed temperature indicates reading before colour shift.
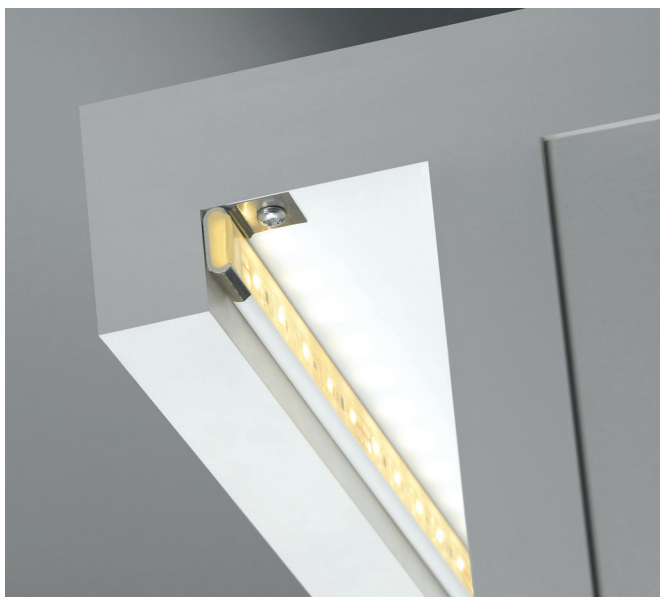
Fixing options

/FFC - Flat fixing clip

15   Ø4

16.7
8.5

/AFC - Angled fixing clip

20   Ø4
15
6

16.7

5.75
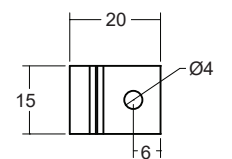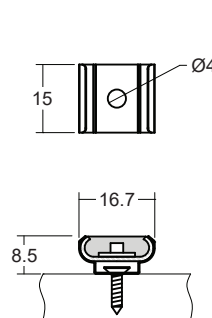
(Dimensions in mm)

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24V   IP68
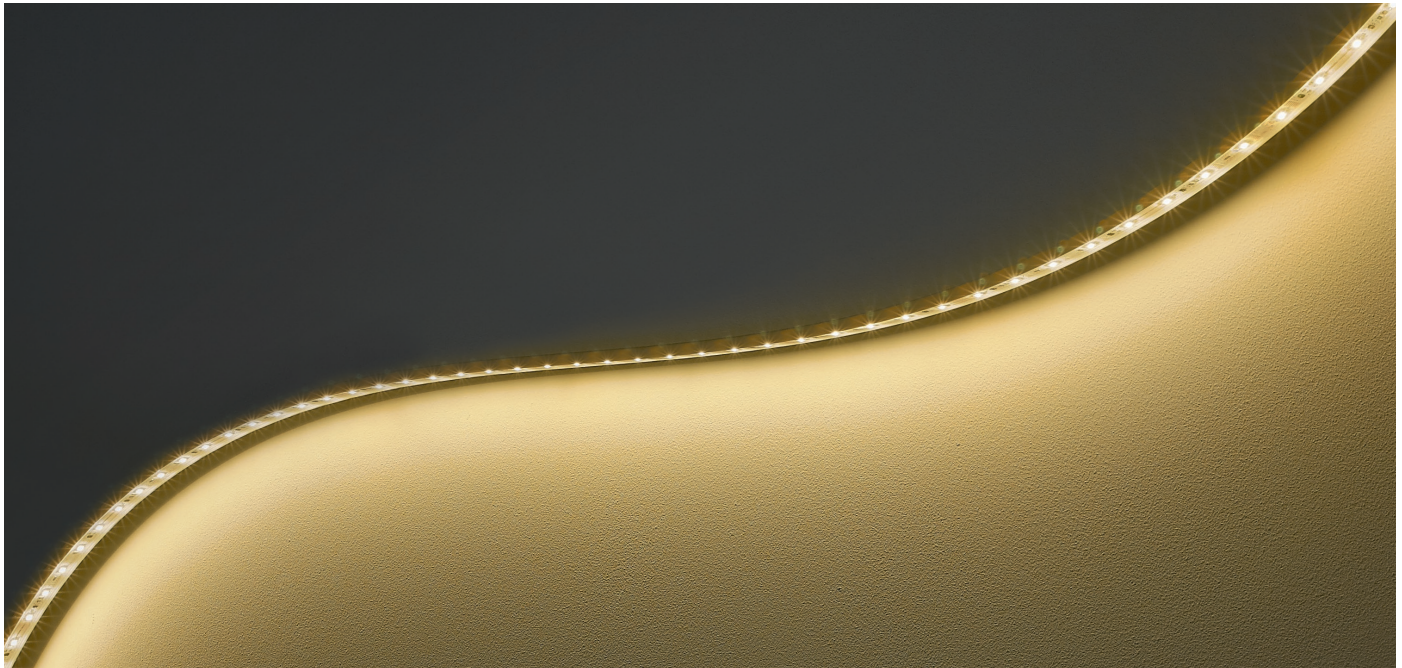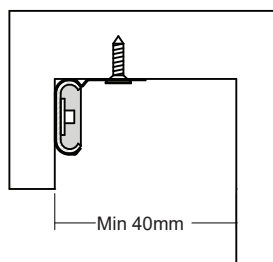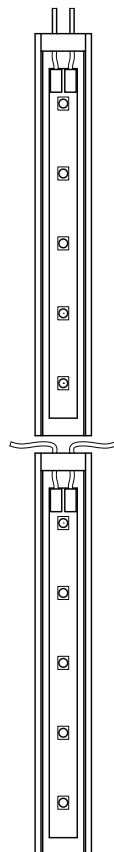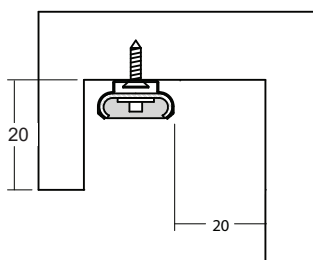
Suggested mounting details

We recommend the distances shown below when mounting multiple lengths end to end to ensure a continuous wash of light.

Angled fixing clip

Min 40mm

Flat fixing clip

20

20

Photometrics

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

Order Codes and Options

Product code	LED	LED colour	Fixing option	Length
LD Flexi	/	/	/	/

Example: LDFlexi / Eco / LW33 / AFC / 2000mm

LED output options	Suffix
Eco	/Eco
Short	/Short
RGB-ECO	/RGB-ECO

LED colour options	
Warm White (3000K)	/LW30
Warm White (3300K)	/LW33
White (3600K)	/LW36
Cool White (4600K Eco)	/LW46
Cool White (5600K Short)	/LW56

Fixing options	
Angled fixing clip	/AFC
Flat fixing clip	/FFC
(3 fixing clips supplied per metre)	

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**, or contact us for more information

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