LENSFLEX

LL code: 83130 - 83135

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1 Basic description LENSFLEX

1.1 Application

Ideal for applications like:

- concealed and cove lighting
- path and walkway lighting
- architectural decorative lighting
- wall wash applications

1.2 Specifications

Comes on roll with 5m as standard packing length

Size	W 20mm x H 9mm x length
PCB color	Black (White on request)
Material	PU tube + PU glue + PC lens
Install methode	3M tape / clips
Colour rendering	CRI +94
Voltage	24VDC
Max.current/m:	0,75 A
Max. power/m:	18W/m
Output	1265lm/m
LED quantity:	42pcs/m
Cuttable every:	167mm
Ingress protection	IP67
Available optics	oval 10° x 45°
	Spot 10°
Available colours	2700K
	5600K
	Tunable white 2700K/5600K

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1.3 Product types

83130	Lensflex oval optic 2700K
83131	Lensflex spot optic 2700K
83132	Lensflex oval optic, tunable white
83133	Lensflex spot optic, tunable white
83134	Lensflex oval optic, 5600K
83135	Lensflex spot optic, 5600K

1.4 Assembly

The mounting of the strip can be done with the double-sided adhesive on the back of the strip. The mounting surface must be clean and dry, free of oils, silicone coatings and dirt particles and must be heat conducting. We recommend on aluminum profile as carrier.

When mounting on metallic or electric conductive surfaces, there needs to be an electrical isolation between the strip and the mounting surface at the beginning and the end.

Once the strip is appropriately positioned. Press gently on the strip with about 20N/cm² (refer to application techniques of 3M adhesive transfer tapes).

The strip itself and all its components may not be mechanically stressed. Assembly must not damage conducting paths on the circuit boards.

Bending the strip over small radius should be avoided to avoid damage.

The smallest unit (167mm) can be removed by cutting between the indicated solder pads.

The maximum length in single feed from one side is 5m.

1.5 Connections

Solder connection should only be performed on designated solder pads (marked “+/-”). Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip. During soldering, don’t exceed the maximum soldering time of 10 seconds and the maximum soldering temperature of 260 C°.

To ensure the ingress protection of the ledstrip, silicon finish and endclips should be used at the connection and end of the lengths.

1.6 Dimensions

Supplied LEDstrip:	+/- 5000mm x W 20mm x H 9mm
Separate Unit:	+/- 167mm x W 20mm x H 9mm

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