

**PF5000x10-300SL5050W-30**  
**Narrow Beam 30° Flexible LED Strip**

**Features**

- 10mm wide FPC 3oz copper
- Low voltage 12V or 24VDC
- High Efficiency 0.2W 5050 LED emitters
- 60 LEDs/metre
- 1500lm/metre
- Power 11.5W/metre
- Narrow beam angle 30°
- Cutable
- Rated IP20



**Applications:** Wall wash, cabinet lighting, POS Display equipment

**Configuration**

Parameter	60 LEDs/m	Unit
Packaging	5.0M reel 300 LEDs	TOTAL / reel
LED Cut points	50mm (12V) 100mm (24V)	mm
LED Pitch	16.66	mm
Termination	2x Flying wire leads	

**Absolute Maximum Ratings (T<sub>A</sub>=25°C)**

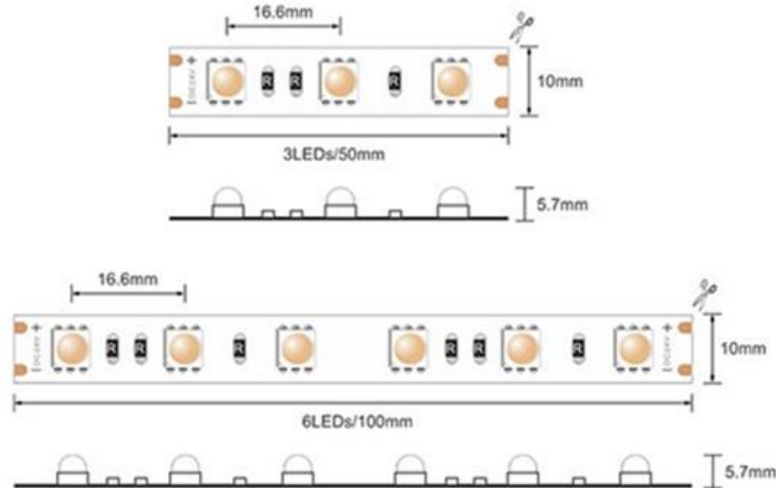
Parameter	Symbol	Absolute Maximum Rating	Unit
Current Consumption/reel	IF	2.4A	A
Current Consumption/metre		0.480	A
Power Dissipation/reel	PD	57.5W	W
Power Dissipation/metre		11.5W	
Operating Temperature	Topr	-25~+40°C	°C
Storage Temperature	Tstg	-40~+80°C	°C

**Electro-optical characteristics (T<sub>J</sub>=25°C)**

Parameter	Symbol	Typ.	Unit
Operating voltage	VDC	12v or 24v	VDC
Luminous output	Pure White	1500-1600	Lm/m
	Warm White	1350-1400	

## PFA5000x10-300SL5050W-30 Narrow Beam 30° Flexible LED Strip

### Dimensions



### Notes:

It is recommended that where LEDs are driven at  $>11\text{W}/\text{metre}$  that strips are mounted on a suitable heatsink i.e. aluminium to allow cooling and maintain LED life.

The rated life of LED products depends to a large extent on the temperature. If the permissible temperature limits are exceeded, LED lifetimes will be greatly reduced and may lead to catastrophic failure of the LEDs.

### Handling notes:

Ensure that the correct low voltage dc power supply is matched to the flexible strip specification

Avoid repeated bending of the strip to avoid damage to the circuit and components & observe the maximum bend radius of 30mm

Avoid handling of the surface components, in particular the LED emitters as any pressure may result in damage & latent failures. When cutting IP65 the ingress protection will be compromised please ensure that the assembly is re-sealed accordingly in order to maintain the IP rating

### Installation notes:

To achieve a consistent luminous effect, each 3 metre should be connected to the power source.

To ensure long life we recommend that the strip is kept as cool as possible and environments where the temperature exceeds  $40^{\circ}\text{C}$  should be avoided

### Drive & Control:

For control solutions please refer to our range of controllers and drive options which include DMX, RF Wireless, WiFi. More information may be found at <http://www.plusopto.co.uk/led-controllers.html>

Specifications may be subject to change without notice