

PF5000x10-320W-SOB/12W-24V

White SOB Flexible LED Strip

Features

- Dimmable CV Flexible LED strip
- SOB Dot free illumination
- High efficacy >150lm/W
- Surface Mount-on-board (SOB) 2219 emitters
- Easy to cut at 25mm intervals
- Wide 120° angle of emission
- 3M Adhesive backing tape
- 5 year warranty



Applications

POS Display equipment, signage, accent & decorative lighting

Specifications Ta=25°C

LEDs Qty/m	320	Input Voltage:	DC24V	Lifetime:	50000h
		Input Current:	0.5A/1metre 32.5A/5metre	On-off times:	10000 (test times)
SMD Type	SOB	Total Power:	12W/m	Standard Package:	5M/roll
		Power option	Constant Voltage Dimmable	Operating humidity:	40%-70%RH
		Dimensions	5000x10x4.0mm	Operating temperature:	Ta:-25-40°C,Tc:75°C(max)

Opto-electrical characteristics Ta=25°C

Power	Colour	CCT	Lm/m	Lm/W	ERP
12W/m	Extra Warm White	1800K	1358	113	E
	Super Warm White	2700K	1638	137	D
	Warm White	3000K	1723	144	D
	Natural white	4000K	1796	150	D
	Pure White	6500K	1722	144	D

Other power/intensity ratings available

Luminous Flux values quoted are typical. Please contact our office for the latest luminous intensity yields

Dimensions



Notes:

It is recommended that higher power types >10W/metre 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 as this will damage the circuit and components

Avoid handling of the surface components, in particular the LED emitters, as any pressure may result in damage and 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 5 metre length should be connected to the power source.

To ensure long life we recommend that the strip is kept as cool as possible. Environments where the temperature exceeds 40°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>