

PF5000x8-2400-COB-PRO-9.6W

Flexible LED Strip COB 9.6W/metre

Features

- Dimmable CV Flexible LED strip
- Dot free illumination
- High efficacy >120lm/W
- Chip-on-board (COB) emitters
- Easy to cut at intervals
- Wide 120° angle of emission
- Choice of colour temperatures
- 3M Adhesive backing tape



Applications

POS Display equipment, signage, accent & decorative lighting

Configuration

Part No. series	PF5000x8-2400-COB-xx9.6W
LEDs / metre	480
Cut points	50.0mm
Reel Size / Qty	5M/2400
Strip Dimension	8.0x1.2mm

Xx denotes White colour temperature

Maximum Electrical Characteristics Ta=25°C

Parameter	24VDC	Unit
Input Voltage	24v Typical	VDC
Current consumption / metre (max)	400mA	mA/m
Current consumption total (max)	2.0A	A/ TOT / reel
Power consumption / metre (max)	9.6W	W/m
Power consumption total (max)	48W +/- 5%	W/TOT / reel
Operating Temp	-20 to +45°C (Tc 75°C max)	°C

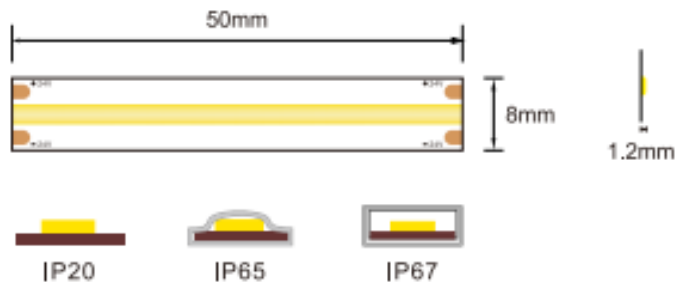
Additional power/intensity ratings available

Optical Characteristics Ta=25°C

Colour	White CCT Colour Code	CCT typ.	Luminous Flux Typ. (lm/m)	CRI (Ra)	Viewing Angle
Warm White	27K	2700K	1015	>90	120°
	30K	3000K	1050		
Natural White	40K	4000K	1125		
Daylight White	50K	5000K	1145		
Pure White	60K	6000K	1195		

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

Dimensions



Notes:

Higher luminous intensity versions are also available configured for increased current drive (power). It is recommended that higher power types >11W/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.

Minimum bend diameter 60mm

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>