

## PF5000-COB-W series COB Flexible LED Strip

### 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
- 3 or 5 year warranty



### Applications

POS Display equipment, signage, accent & decorative lighting

### Specifications Ta=25°C

Part No.	Voltage VDC	LEDs/ metre	Watts (W/metre)	Lumens (lm/metre) typ.	PCB Width	Cut point 12v / 24v
PF5000x5-2400COB-W-V-7W/IP	12/24V	480	7W	770	5mm	25mm / 50mm
PF5000x8-2400COB-W-V-9W/IP			9W	1080	8mm	
PF5000x10-2400COB-W-V-12W/IP			12W	1200	10mm	
PF5000x8-1920COB-W-V-8W/IP	12/24V	384	8W	960	8mm	41.66 / 83.33mm
PF5000x10-1920COB-W-V-12W/IP			12W	1440	10mm	
PF5000x8-2560COB-W-V-12W/IP			512	12W	1200	
PF5000x10-2560COB-W-V-14W/IP	14W	1680		10mm		
PF5000x8-2100COB-12V-14.4W/IP	12V	420	14.4W	2000	8mm	22.8mm
PF5000x8-1780COB-W-V-17.2W/IP	12/24V	356	17.2W	2200lm	10mm	16.7mm

Additional power/intensity ratings available

### Optical Characteristics Ta=25°C

Colour	CCT typ.	CRI	Viewing Angle
Pure White	6000 ~ 6500K	>90	120°
Daylight White	5000 ~ 5500K		
Natural White	4000 ~ 4500K		
Warm White	2700 ~ 3000K		

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

**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>