

PF5000x12-COB-RGBW-24V-20W series

Multi-colour COB Flexible LED Strip

Features

- Dot free illumination
- High efficacy >100lm/W
- Chip-on-board (COB) emitters
- Easy to cut at intervals
- Wide 180° angle of emission
- 3oz Copper FPC
- 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/m	Watts (W/m)	PCB Width	Cut point 12v / 24v
PF5000x12-4200COB-RGBW-24V-20W	24V	840	20W	12mm	33mm

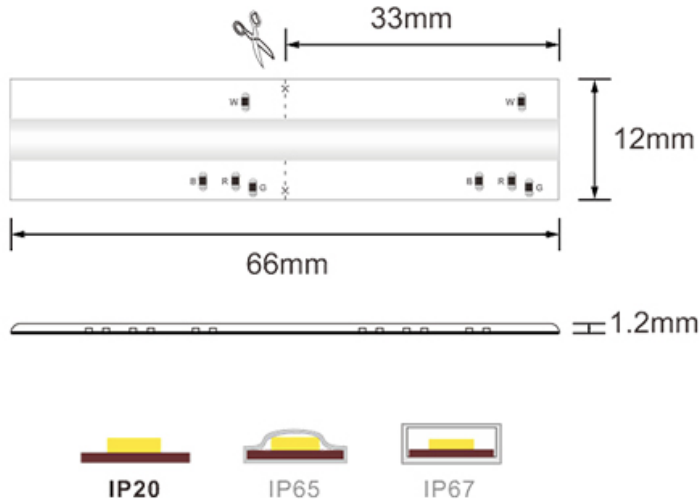
Additional power/intensity ratings available

Optical Characteristics Ta=25°C

Colour	Wavelength typ.	Lumens (lm/m) typ.	CRI	Viewing Angle
Red	625	85	>80	180°
Green	525	520		
Blue	470	95		
Warm White	2500K	400		
RGBW		1085		

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. Minimum bend diameter is 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>