

PF5000x12-300ML5050RGBWW

Full Colour RGB+CT Flexible LED Strip

Features

- Multi-colour RGB + CT flexible LED light source
- Five in one 5050 RGB PW+WW LED emitters
- Easy to cut at 50 / 100mm intervals
- Wide 120° angle of emission
- Low power, low heat, long life
- 3M Adhesive backing tape



Applications: POS Display equipment & lighting

Configuration

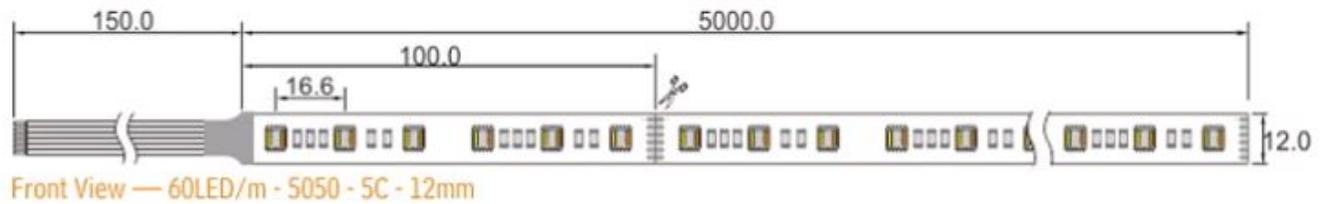
Parameter	Rating	Unit
LED emitters PLCC 5050	300 pcs 5.0x5.0mm	TOTAL / reel
LED pitch	16.66	mm
Dimensions	5000x12mm cuttable at 50mm (12v) 100mm (24v) intervals	
Termination	5x Flying wire leads 200mm long	
Connection	6 wire: Red, Green, Blue, White with Common +ve (yellow wire)	

Electro-optical characteristics Ta=25°C

Part Numbers	CCT/nm	QTY/M	Luminous Flux (LM/M)	Current/M (12VDC)	Current/M (24VDC)	Rated Power (W/M)
RGB	620-630 520-535 460-475	(60pcs)	360-385lm			
RGB+PW	6500K		685-715lm			
RGB+WW	2700K		620-645lm			
WW+PW	2700K 6500K		595-625lm			
RGB+WW+PW			930-965lm			16.8W

Operating Voltage	12v	24v	Vdc
Operating Temp	-20 to +45°C		°C
Storage Temp	-0 to +55°C		°C

Dimensions



Notes

Higher luminous intensity versions are 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 and please 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 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 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°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