

PF5000 RGB Flexible LED Strip

Selector Guide

Features

- Full colour RGB Flexible LED light source
- High performance 3-chip-in-one SMD emitters
- Easy to cut at intervals
- Wide 120° angle of emission
- Low power low heat, long life
- Choice of IP ratings
- 3M Adhesive backing tape



Applications

POS Display equipment & Accent & decorative lighting

Configuration

LED Density	Low	Medium	High
Part No. series	PF5000x10-150-SLM5050RGB	PF5000x10-300SLM5050RGB	PF5000x10-360ML5050RGB
LED's / metre	30	60	72
LED Pitch	33.3	16.6	13.9mm
Reel Size / Qty	5M/150	5M/300	5M/360
Strip Width NKD / IP	10.0 / 14.0mm	10.0 / 14.0mm	10.0 / 14.0mm
Optional encapsulation is available to provide IP65 or IP68 rating.			

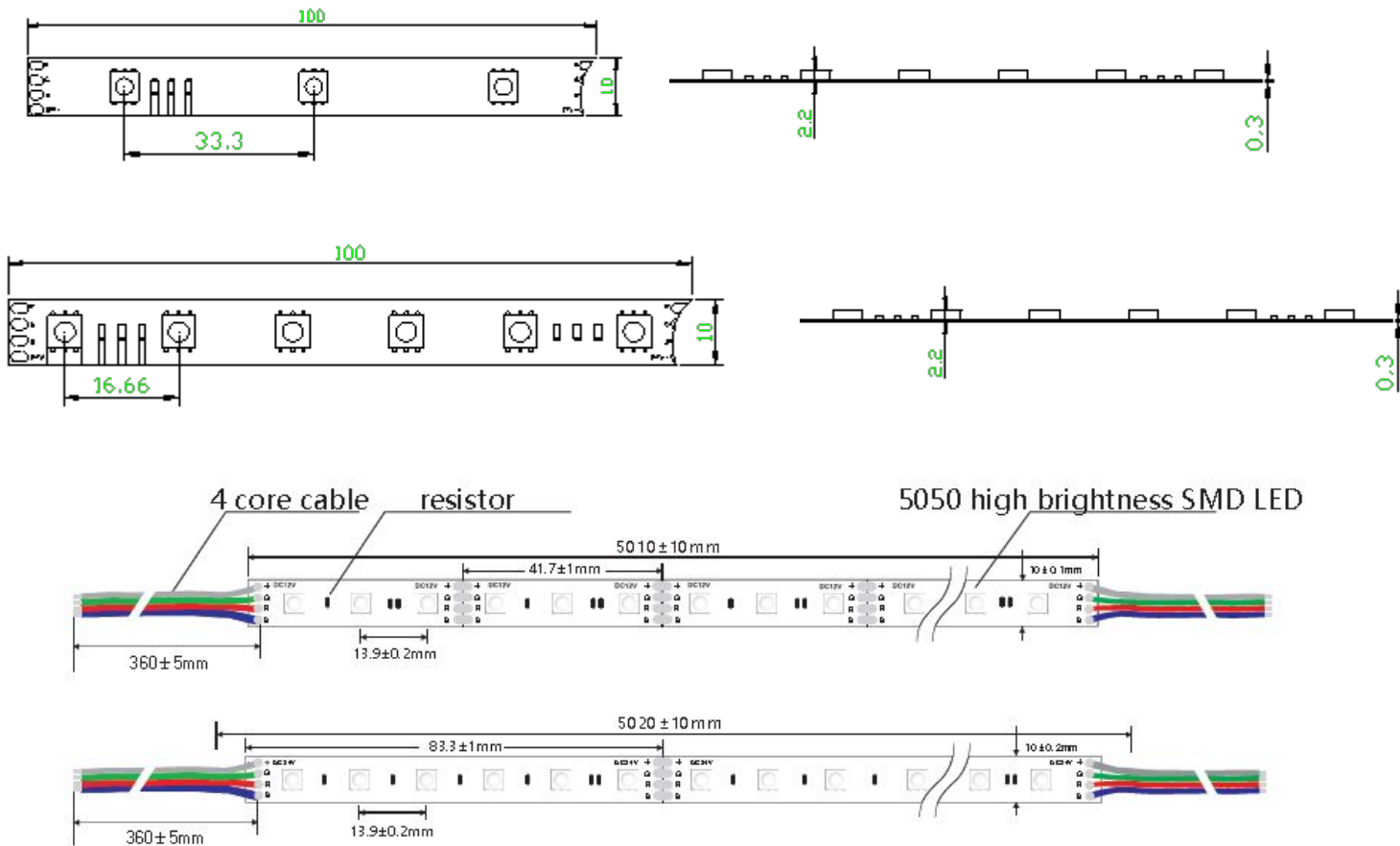
Optical Characteristics Ta=25°C

LED Density	Low			Medium			High		
LED Chip	Red	Green	Blue	Red	Green	Blue	Red	Green	Blue
Wavelength (nm)	620-630	520-535	460-475	620-630	520-535	460-475	620-630	520-535	460-475
Luminous Flux (lm/M)	26	96	24	52	193	48	167	442	296
Viewing Angle 2θ1/2 (°)	120								

Maximum Electrical Characteristics Ta=25°C

LED Density	Low	Medium	High
Operating Voltage	12vdc		
Current / metre	600mA	1.2A	1.43A
Wattage / metre	7.2W	14.4W	17.2W
Cut Point interval	50.0mm	50.0mm	41.7mm
Operating Voltage	24vdc		
Current / metre	300mA	600mA	710mA
Wattage / metre	7.2W	14.4W	17.2W
Cut Point interval	100.0mm	100.0mm	83.3mm

Dimensions



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