plus Opto
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B13 Derwent Court William Way Moss Industrial Estate Leigh Lancashire WN7 3PT

SEAM Semiconductors

SL5050 RGB+W -12V

Multi-colour Flexible LED Strip

Features

- Flexible LED Strip with 5050+2835 emitters
- Full colour RGB + White
- Cuttable at intervals
- Wide 120° angle of emission
- Low power, low heat, long life
- Optional IP65 rating

Applications

POS Display equipment decorative lighting & backlighting

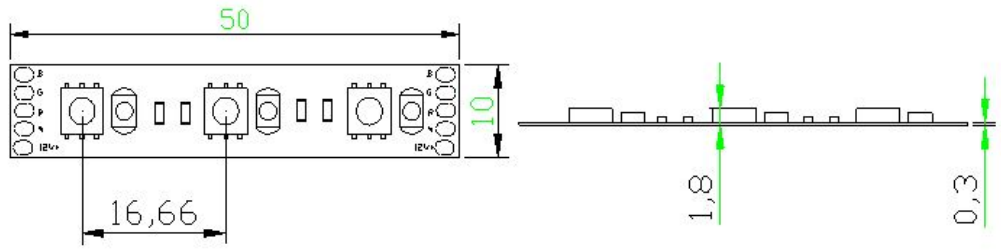
Technical Specification

Part No	Colour nm / CCT typ.		Output lm/m	LED Qty/M	Beam Angle	Voltage (Vdc)	Watts/M (max)
PF5000x14-300SL5050RGB+2835PW-12v	Red	625	443	60x RGB + 60x W	120°	12v	14.4W
	Green	525	857				
	Blue	470	266				
	Pure White	6000K	750				
PF5000x14-300SL5050RGB+2835NW-12v	Red	625	443				
	Green	525	857				
	Blue	470	266				
	Neutral White	4500K	750				
PF5000x14-300SL5050RGB+2835WW-12v	Red	625	443				
	Green	525	857				
	Blue	470	266				
	Warm White	3000K	740				

Strip may be cut at 50mm intervals
5050RGB package 16.66mm pitch + 2835W package 16.66mm pitch

Parameter	Ratings	Unit
Termination	Flying wire leads 200mm long	
Termination (optional) XHP-2	Wire leads 500mm long with XHP-5	
Operating Temp	-30 to +40°C	°C
Storage Temp	-40 to +80°C	°C

Dimensions



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Notes

Handling:

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, 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:

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 and environments where the temperature exceeds 40°C should be avoided

It is important to consider ambient temperature rise and to ensure that there is adequate ventilation. We recommend that the LED strips are applied to a heat conducting substrate such as aluminium profile.

High density LED strip is not recommended for use in sealed enclosures where temperatures may rise and heat cannot escape.

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