plus opto THE OPTOELECTRONIC SPECIALISTS
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B13 Derwent Court William Way Moss Industrial Estate Leigh Lancashire WN7 3PT

SEAM Semiconductors

PFS5000x8-300SL3528xx

Bendable Flexible LED Strip

Features

- Flexible, bendable LED light source
- High performance SMD emitters
- Easy to cut at intervals
- Wide 120° angle of emission
- Low power low heat, long life
- 3M VHB Adhesive backing tape

Applications

POS Display equipment, signage, accent & decorative lighting

Configuration

Part No. series	PFS5000x6-300SL3528-xx
LED's / metre	60
LED Pitch	16.66mm
Reel Size / Qty	5M/300
Strip Width No coating IP20	6.0mm

Maximum Electrical Characteristics Ta=25°C

Parameter	12VDC	24VDC	Unit
Input Voltage	12v Typical	24v Typical	VDC
Current consumption / metre (max)	400mA	200mA	mA/m
Current consumption total (max)	2.0A	1.0A	A/ TOT / reel
Power consumption / metre (max)	4.8W	4.8W	W/m
Power consumption total (max)	24W +/- 5%	24W +/- 5%	W/TOT / reel
Operating Temp	-20 to +45°C	-20 to +45°C	°C
Storage Temp	-10 to +55°C	-10 to +55°C	°C

Optical Characteristics Ta=25°C

	CCT typ.	Luminous Flux Typ. (lm/M)	Viewing Angle
Pure White	6000K	420	120°
Neutral White	5500K		
Warm White	2700K		

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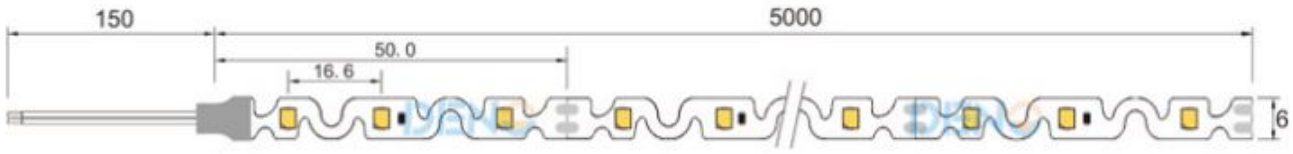
Dimensions



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 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

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