

PF5000x10-1200SLD2835W

V High Density Flexible LED Strip

Features

- Very high density Flexible LED light source
- High efficient 2835 LED emitters
- Easy to cut at 25mm intervals
- Wide 120° angle of emission
- Low power, low heat, long life
- 3M Adhesive backing tape



Applications: POS Display equipment & Backlighting

Configuration

Parameter	Rating	Unit
LED emitters PLCC 2835	1200 pcs 2.8x3.5mm	TOTAL / reel
	240 pcs 2.8x3.5mm	/metre
LED pitch	4.16	mm
Dimensions 24vdc	5000x10mm cuttable at 25mm intervals	
Termination	2x Flying wire leads 200mm long	
IP62 rated types are 11.0mm wide		

Electrical Characteristics

Parameter		24v Rating	Unit
Input Voltage		24v Typical	Vdc
Current consumption / metre (max)		1.0A	mA/m
Current consumption total (max)		5.0A	A/ TOT / reel
Power consumption / metre (max)		24W	W/m
Power consumption total (max)		120W +/- 5%	W/TOT / reel
Operating Temp	-20 to +45°C		°C
Storage Temp	-10 to +55°C		°C

Electro-optical characteristics

Part No.	Colour	CCT typ.	Luminous Flux (lm/M)	Viewing Angle
PF5000x10-1200SL2835PW-xx	Pure White	5500K	2400	120°
PF5000x10-1200SL3528NAW-xx	Natural White	4000K	2300	
PF5000x10-1200SL3528WW-xx	Warm White	2700K	2200	

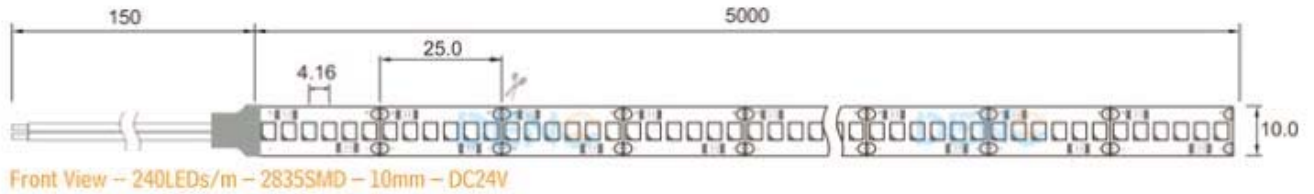
Xx denotes operating voltage

Notes:

Optional encapsulation is available to provide IP62 rating

Specifications may be subject to change without notice

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>