

PF5000x12-1440SL2835PW_WW

Colour Tuneable Flexible LED Strip

Features

- Colour tuneable Flexible LED light source
- High performance 2835 LED emitters
- Ultra High Density configuration
- Easy to cut at 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	1440 pcs 2.8x3.5mm	TOTAL / reel
	288 pcs 2.8x3.5mm	/metre
LED pitch	3.47	mm
Dimensions	5000x12mm cuttable at 55.55mm intervals	
Termination	4x Flying wire leads 200mm long	
Connection	3 wire PW (6500K) WW 2700K, with Common +ve (White wire)	

Electrical Characteristics

Parameter	24v Rating	Unit
Input Voltage	24v Typical	Vdc
Current consumption / metre (max)	750mA	mA/m
Current consumption total (max)	3.75A	A/ TOT / reel
Power consumption / metre (max)	17.5W	W/m
Power consumption total (max)	87W +/- 5%	W/TOT / reel
Operating Temp	-20 to +45°C	°C
Storage Temp	-10 to +55°C	°C

Electro-optical characteristics Ta=25°C

	CCT typ.	Luminous Flux Typ. (Full mode) lm/m	CRI	Viewing Angle
Pure White	6500K	2214	95	120°
Warm White	2700K			

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

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>

Specifications may be subject to change without notice