

PF5000x12-1280DL2835W-24W-24V

V High Density Flexible LED Strip

Features

- Very high density Flexible LED light source
- High efficient 2835 LED emitters
- Easy to cut at 31.25mm 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	1280 pcs 2.8x3.5mm	TOTAL / reel
	256 pcs 2.8x3.5mm	/metre
LED pitch	3.90	mm
Dimensions 24vdc	5000x12mm cuttable at 31.25mm intervals	
Termination	2x Flying wire leads 200mm long	

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)	95W +/- 5%	W/TOT / reel
Operating Temp	-20 to +45°C	
Storage Temp	-10 to +55°C	

Electro-optical characteristics

Part No.	Colour	CCT typ.	Luminous Flux (lm/M) Ra>80	Luminous Flux (lm/M) Ra>90	Viewing Angle
PF5000x12-1280DL2835PW-24V	Pure White	6500K	4190	3405	120°
PF5000x12-1280DL2835PW-24V	Daylight White	5000K	4370	3545	
PF5000x12-1280DL2835NAW-24V	Natural White	4000K	4380	3550	
PF5000x12-1280DL2835WW-24V	Warm White	2700K	3990	3225	
PF5000x12-1280DL2835EWW-24V	Extra Warm White	2300K	3705	2975	
PF5000x12-1280DL2835SWW-24V	Super Warm White	1900K	3230	2665	

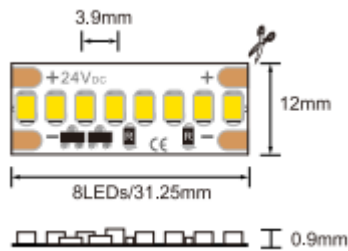
Notes:

CRI Ra.95 also available

Other CCT's available

Optional encapsulation is available to provide IP62 rating

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