

PF5000x10-560DN2835W-13W-24V

High Efficiency Flexible LED Strip

Features

- High Efficient 200lm/W 2835 LED emitters
- 3 SDM binning 1 bin
- Choice of CRI
- Easy to cut at 71.4mm intervals
- Wide 120° angle of emission
- Onboard CC regulation
- Complies with European ErP
- 5 Year warranty



Applications: POS Display equipment & Backlighting

Configuration

Parameter	Rating	Unit
LED emitters PLCC 2835	560 pcs 2.8x3.5mm	TOTAL / reel
	112 pcs 2.8x3.5mm	/metre
LED pitch	8.90	mm
Dimensions 24vdc	5000x10mm cuttable every 8 LEDs at 71.4mm intervals	
Termination	2x Flying wire leads 200mm long	

Electrical Characteristics

Parameter	24v Rating	Unit
Input Voltage	24v Typical	Vdc
Current consumption / metre (max)	0.54A	mA/m
Current consumption total (max)	2.3A	A/ TOT / reel
Power consumption / metre (max)	13.5W	W/m
Power consumption total (max)	67.5W +/- 5%	W/TOT / reel
Operating Temp	-20 to +40°C (Tc@75°C max)	
Storage Temp	-10 to +55°C	

Electro-optical characteristics

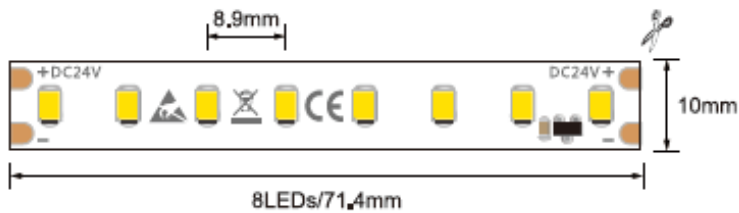
Part No.	Colour	CCT typ.	Luminous Flux (lm/M) Ra>80	Luminous Flux (lm/M) Ra>90	Viewing Angle
PF5000x10-560DN2835PW-24V	Pure White	6500K	2545	2070	120°
PF5000x10-560DN2835DW-24V	Daylight White	5000K	2655	2155	
PF5000x10-560DN2835NAW-24V	Natural White	4000K	2660	2110	
PF5000x10-560DN2835WW-24V	Warm White	2700K	2525	1960	
PF5000x10-560DN2835EWW-24V	Extra Warm White	2300K	2250	1805	
PF5000x10-560DN2835SWW-24V	Super Warm White	1900K	1620	2665	

Notes:

CRI Ra.95 also available

Other CCT's available

Dimensions



Optional encapsulation is available to provide IP62 rating

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 IP rated strips 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