

## PF5000x8-600SL2835NW/WW

### Colour Tuneable Flexible LED Strip

#### Features

- Colour tuneable Flexible LED light source
- High performance 2835 LED emitters
- Easy to cut at 100mm 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	600 pcs 2.8x3.5mm	TOTAL / reel
	120 pcs 2.8x3.5mm	/metre
LED pitch	16.66	mm
Dimensions 12vdc	5000x8mm cuttable at 50mm intervals	
Dimensions 24vdc	5000x8mm cuttable at 100mm intervals	
Termination	4x Flying wire leads 200mm long	
Connection	3 wire NW (5000K) WW 2700K, with Common +ve (White wire)	
IP62 rated types are 9.0mm wide		

#### Electrical Characteristics

Parameter	12v Rating	24v Rating	Unit
Input Voltage	12v Typical	24v Typical	Vdc
Current consumption / metre (max)	800mA	400mA	mA/m
Current consumption total (max)	2.0A	2.0A	A/ TOT / reel
Power consumption / metre (max)	9.6W	9.6W	W/m
Power consumption total (max)	50W +/- 5%	72W +/- 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	Viewing Angle
Neutral White	5500K	600	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