

Super Long Flexible LED Strip

Selector Guide

Features

- Dimmable CV Flexible LED strip
- Super long lengths
- Even brightness when powered from one end
- High efficacy >120lm/W
- On-board CC drive
- Easy to cut at intervals
- Wide 120° angle of emission
- Choice of colours / CCT
- 3M Adhesive backing tape



Applications

POS Display equipment, signage, accent & decorative lighting, professional lighting

Specifications Ta=25°C

Part No.	Length metres	Voltage VDC	LEDs/ metre	Watts (W/metre)	Lumens (lm/metre) typ.	PCB Width	Cut points
PF10Mx10-600SL2835W-24V-4.8W	10M	24V	60	4.8W	480	10mm	100mm
PF20Mx10-1200SL2835W-24V-4.8W	20M						
PF30Mx10-1800SL2835W-24V-4.8W	30M						
PF10Mx10-1200SL2835W-24V-9.6W	10M		120	9.6W	1100	10mm	41.67mm
PF20Mx10-2400SL2835W-24V-9.6W	20M						
PF30Mx12-2700SL2835W-36V-7.2W	30M	36V	90	7.2W	1050	12mm	
PF50Mx12-7200SL2835W-48V-5.8W	50M	48V	144	5.8W	874	12mm	166.66mm
PF20Mx12-1200SL5050RGB-24V-9.6W	20M	24V	60	9.6W	1680	12mm	100mm
PF20Mx12-1200SL5050RGBW-24V-9.6W	20M						

Additional power/intensity ratings available

Optical Characteristics Ta=25°C

Colour	CCT typ.	CRI	Viewing Angle
Pure White	6000 ~ 6500K	>90	120°
Daylight White	5000 ~ 5500K		
Natural White	4000 ~ 4500K		
Warm White	2700 ~ 3000K		
Red	620-625nm		
Green	520-525nm		
Blue	465-470nm		

Luminous Flux values quoted are typical. Please contact our office for the latest luminous intensity yields

Notes:

It is recommended that higher power types >10W/metre are mounted on a suitable heatsink i.e. aluminium to allow cooling and maintain LED life.

The rated life of LED products depends to a large extent on the temperature. If the permissible temperature limits are exceeded, LED lifetimes will be greatly reduced and may lead to catastrophic failure of the LEDs.

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

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. 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>