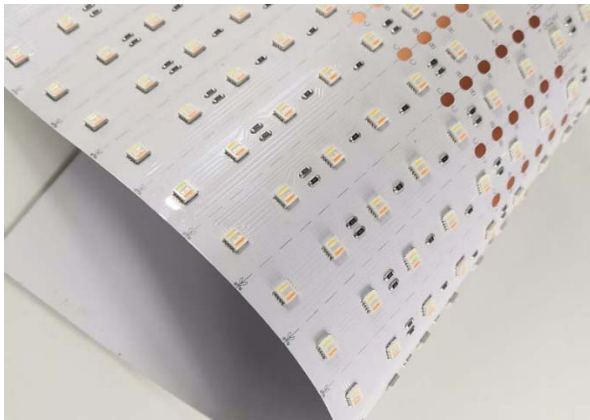


LED Lighting

Multi-colour + CT Flexible LED Sheet **PLS480x240-288RGBWW-24VDC**



Features

- Ultra-thin flexible RGBWW LED sheet
- 24x12 LED matrix
- Cuttable matrix in 12 LED increments
- High performance 5-in-1 RGBWW emitters
- Constant Voltage 24vdc
- Dimmable
- L70 30,000 hours
- IP20

Description

Designed for multi-colour surface area backlighting with CT adjustment and also termed light paper the PLS480 series flexible LED sheet comprises of an array of 288 RGB+WW LED emitters to provide a bright and even surface illumination. Applications include dynamic lighting and lightbox projects.

Maximum ratings Ta=25°C

Part No.	Voltage (V)	Power (W)	Operating Temperature	Test Point Temp. (Tp)	Weight (g)
PLS480x240-288SL5050RGBWW-24V	24VDC	90W (0.31W/LED)	-20 ~ +30°C	45°C	55g

Optical Characteristics Ta=25°C

Colour	CCT°K	Intensity/lm	CRI (Ra)	Beam Angle
Red	620~625nm	450~550mcd		120°
Green	520~ 525nm	1200~1400mcd		
Blue	460~465nm	350~410mcd		
Pure White	6000K	1563lm		
Warm White	2700K	1289lm		

Applications include:

- Backlighting
- Light Box illumination
- Retail illumination
- Signage
- Video illumination



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Dimensions

Notes:

Mechanical: Minimum bend radius 50mm
LED pitch 20mm
Connection: FPC solder points

Connection

Flexible Sheets may be connected together to increase the backlighting area

Notes

1. Observe operating voltage and connection polarity
2. Install power supplies and controllers in a ventilated, dry environment.
3. Select power supplies with 20% power headroom over the system total wattage.

We offer a range of 5-channel Full Colour RGB+WW LED controllers including RF and DMX protocol
Please refer to our web site at www.plusopto.co.uk