

LED Lighting

Multi-colour Flexible LED Sheet PLS503x235-RGBW 12VDC



Features

- Ultra-thin flexible LED sheet
- 15x7 LED matrix
- Cuttable matrix in 3 LED increments 100x33.5mm
- High performance 4-in-1 RGBW emitters
- Constant Voltage 12vdc
- Dimmable
- On-board JST connector points
- L70 30,000 hours
- IP20

Description

Designed for multi-colour surface area backlighting and also termed light paper the PLS503 series flexible LED sheet comprises of an array of 105 RGBW 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)
PLS503x235-105SL5050RGBW-12V	12VDC	33.6W (0.32W/LED)	-20 ~ +30°C	45°C	55g

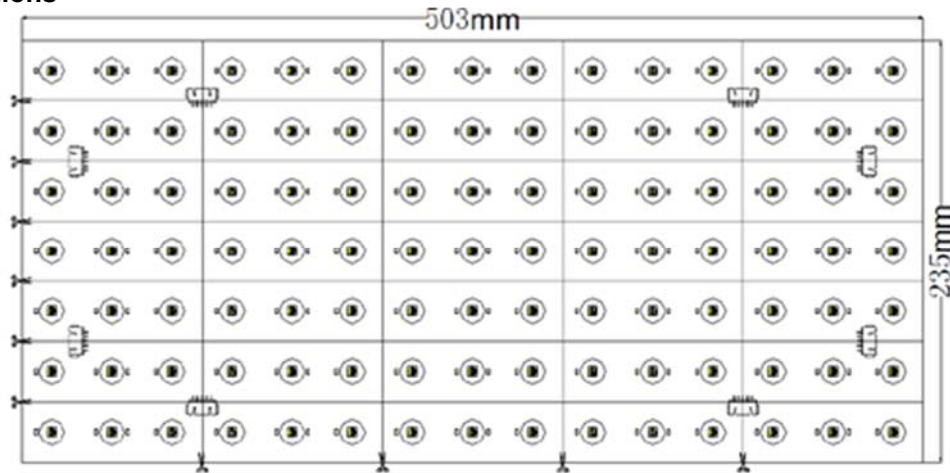
Optical Characteristics Ta=25°C

Colour	CCT°K	Intensity/ Flux (lm)	CRI (Ra)	Beam Angle
Red	620~625nm	300~500mcd		120°
Green	520~ 525nm	800~1000mcd		
Blue	460~465nm	200~400mcd		
White	2800K~7500K	8~10lm	>80	

Applications include:

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

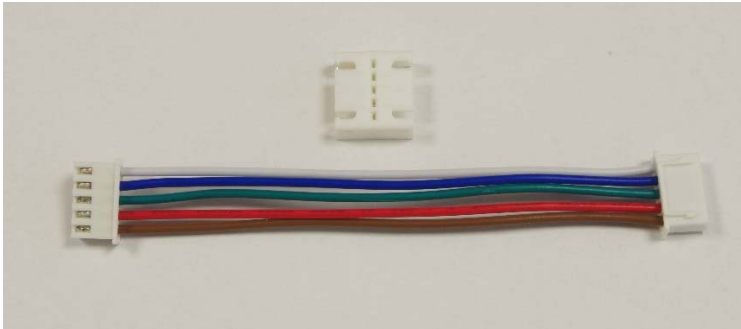
Dimensions



Notes:

- White CCT: Specify white CCT at the point of ordering
 Mechanical: Minimum bend radius 50mm
 LED pitch 33.5mm
 Connection: 100mm cables JST XHP-5 included

Connection



100mm link cables JST XHP-5 included, custom lengths available on request
 Flexible Sheets may be connected together to increase the backlighting area

Notes

1. Observe operating voltage and connection polarity
2. Maximum current rating of connectors is 4A (60W). In larger installations multiple connection terminals should be used
3. Install power supplies and controllers in a ventilated, dry environment.
4. Select power supplies with 20% power headroom over the system total wattage.

We offer a range of 4-channel Full Colour RGBW LED controllers including RF and DMX protocol
 Please refer to our web site at www.plusopto.co.uk