

LED Lighting

Multi-colour Flexible LED Sheet PLS503x235-RGBW 24VDC



Features

- Ultra-thin flexible LED sheet
- 15x7 LED matrix
- Cuttable matrix in 7 LED increments 235x33.5mm
- High performance 4-in-1 RGBW emitters
- Constant Voltage 24vdc
- 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-24V	24VDC	28.8W (0.27W/LED)	-20 ~ +30°C	45°C	55g

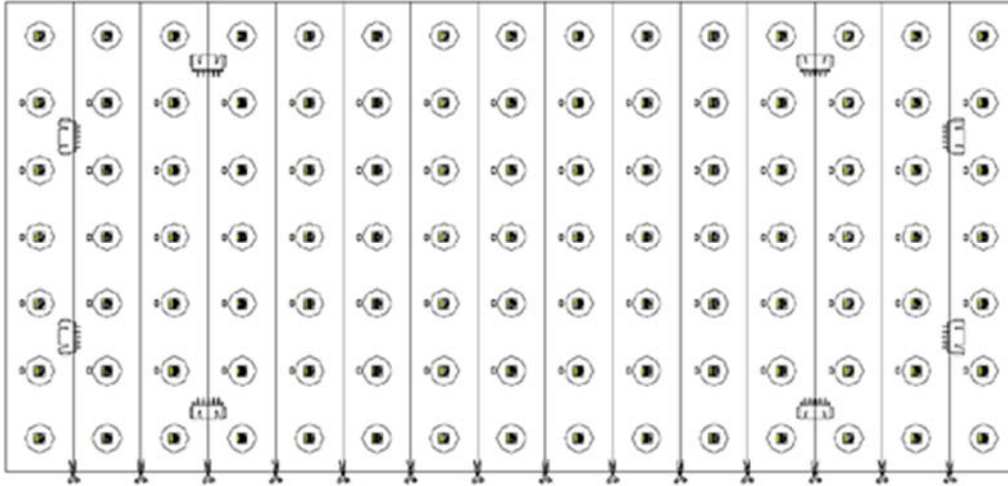
Optical Characteristics Ta=25°C

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: Wago Poke in connectors

Connection

Wago Poke in connectors
 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