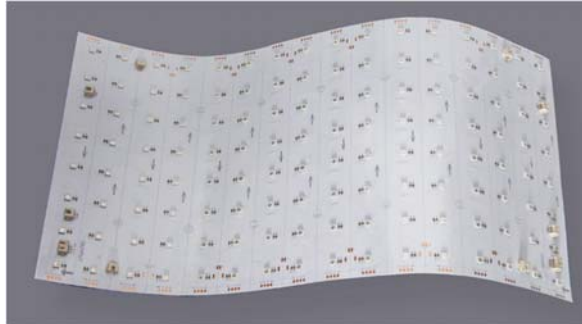


LED Lighting

Addressable Flexible LED Sheet PLSA480x240 RGB



Features

- Ultra-thin flexible LED sheet
- Cuttable 24x12 matrix at 250x20mm intervals
- High efficacy >120 lm/W
- Full Colour 5050 RGB Emitters with integral IC
- Constant Voltage 12vdc
- 16x8 128 LED matrix
- 30mm LED pitch
- Dimmable
- On-board poke-in connector points
- IP20

Description

Designed for dynamic full colour area lighting projects the PLSA480x240RGB flexible LED sheet comprises of an array of 128 SPI pixel addressable LED emitters to provide a dynamic display illumination. Use in conjunction with our range of SPI controllers

Maximum ratings Ta=25°C

Part No.	Voltage (V)	Power (W) (All ON)	Operating Temperature	Test Point Temp. (Tp)	Weight (g)
PLSA480x240RGB-12v	12VDC	25.6W 8.6W/LED	-20 ~ +30°C	45°C	55g

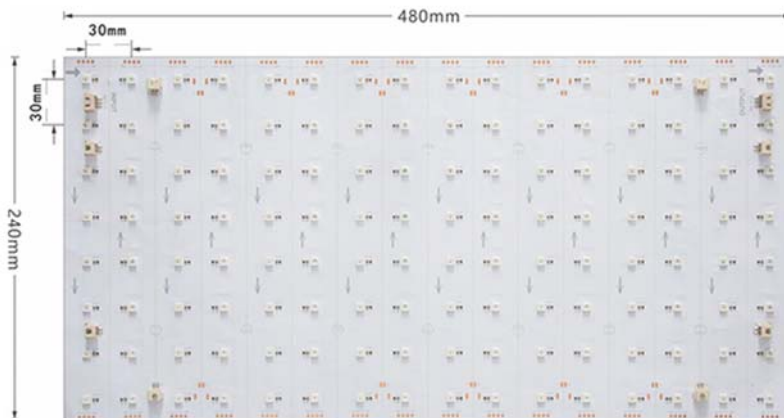
Optical Characteristics Ta=25°C

Part No.	Colour	Wavelength	Total Flux (lm)	CRI (Ra)	Beam Angle
PLSA480x240RGB-12v	Red	630nm	170	>80	120°
	Green	525nm	470		
	Blue	470nm	103		

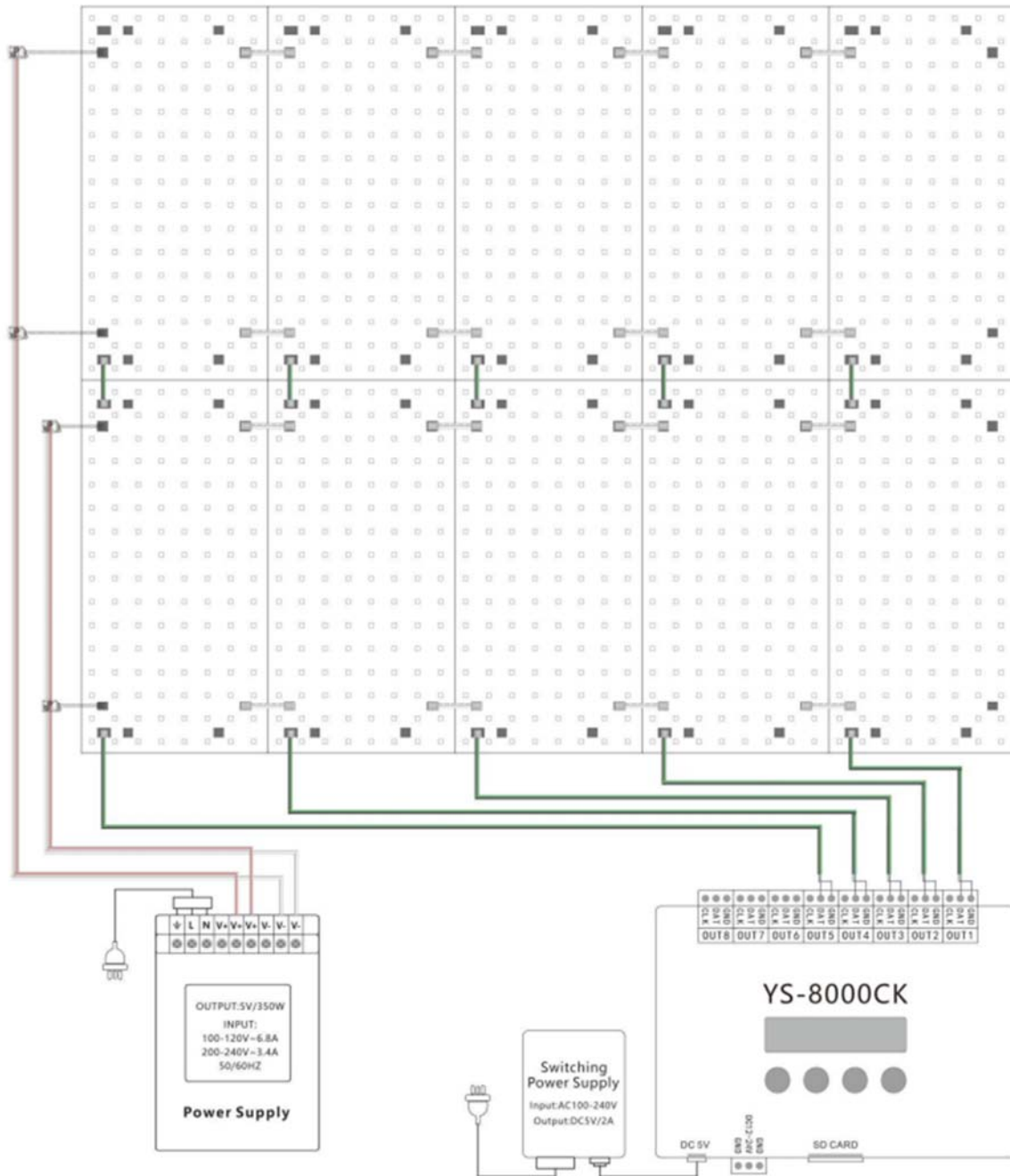
Notes:

Mechanical: 480x240mm. Minimum bend radius 50mm
LED pitch 30mm
Connection: Poke in

Dimensions



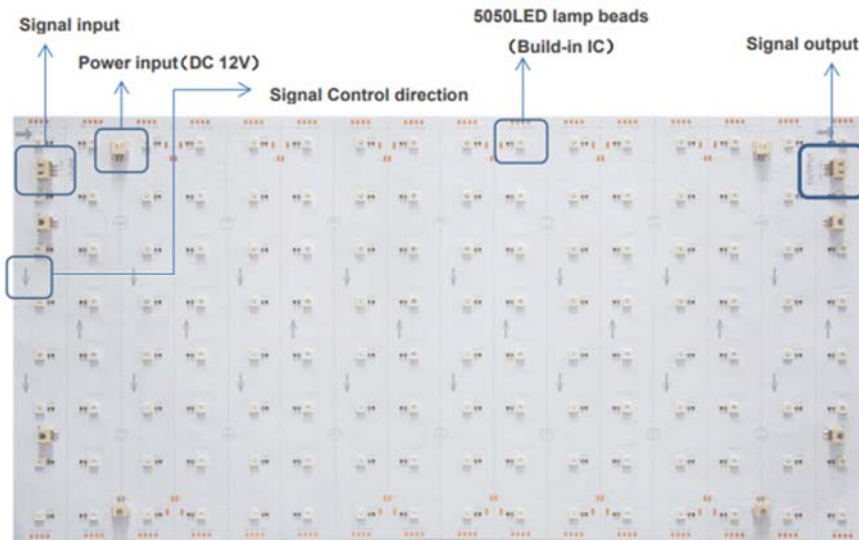
Connection



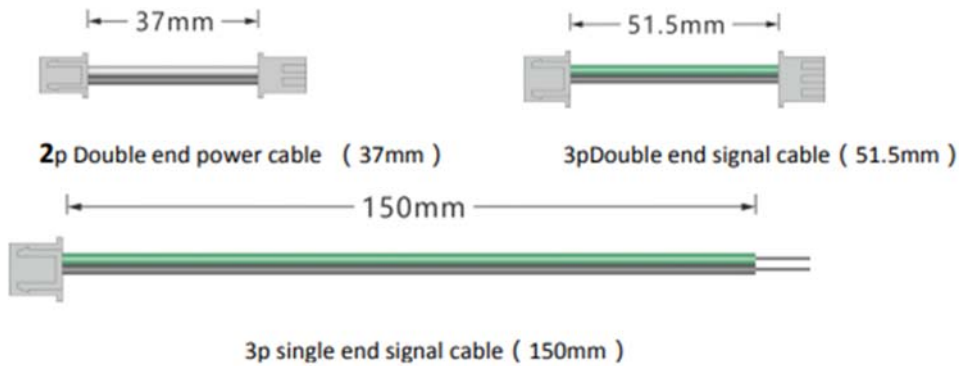
Notes

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

Product Structure



Connectors



Applications

Dynamic illumination in lightboxes and advertising

