

# LED Lighting

## Addressable Flexible LED Sheet PLSA503x235

### Features



- Ultra-thin flexible LED sheet
- Cuttable 24x11 matrix at 250x21mm intervals
- High efficacy >120 lm/W
- Choice of colour temperatures
- High colour consistency (MacAdam 3)
- High CRI Ra90
- Constant Voltage 12vdc
- Dimmable
- On-board poke-in connector points
- IP20

### Description

Designed for dynamic area backlighting in Lightbox projects the PLSA503x235 series flexible LED sheet comprises of an array of 264 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)
PLSA503x235 series	12VDC	64W 0.25W/LED	-20 ~ +30°C	45°C	55g

### Optical Characteristics Ta=25°C

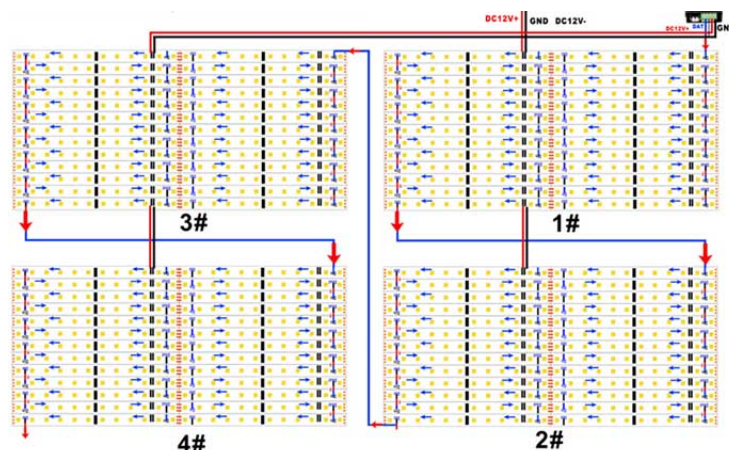
Part No.	Colour	CCT°K	Total Flux (lm)	CRI (Ra)	Beam Angle
PLSA503x235PW-12v	Pure White	6000 - 6500K	3850	>80	120°
PLSA503x235NAW-12v	Natural White	4000 - 4500K	3850		
PLSA503x235WW-12v	Warm White	2700 - 3200K	3520		

### Notes:

Mechanical: Minimum bend radius 50mm  
LED pitch 21mm

Connection: Poke in

### Connection



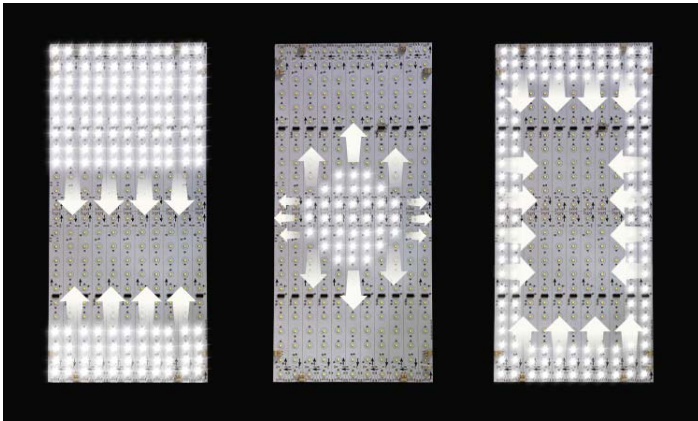
Specifications may be subject to change without notice

## 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.

## Applications

### Dynamic illumination



### Lightboxes

