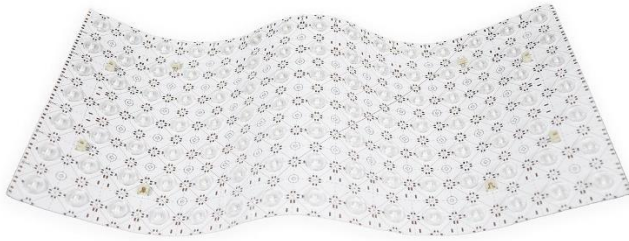


LED Lighting

Flexible LED Sheet PLSO500x235-105W

Features

- Ultra-thin flexible LED sheet
- 3M adhesive tape for bonding to flat or curved surfaces
- Wide angle optics allow shallower lightbox depths without spotting
- Cuttable matrix at single LED point
- High efficacy >120 lm/W
- Choice of colour temperatures
- High colour consistency (MacAdam 3)
- Constant Voltage 12VDC / 24VDC
- CRI > 80
- 120° beam angle
- Dimmable
- Power input via onboard connectors or solder pads
- L70 30,000 hours



Description

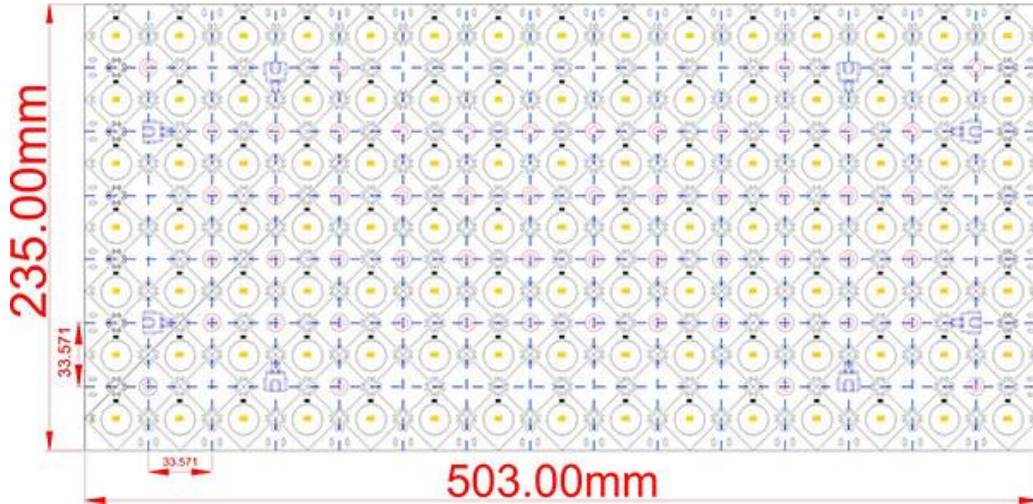
Designed for area backlighting in Lightbox projects and termed light paper the PLSO500 series LED flexible sheet comprises of an array of 105 LED emitters with wide-angle optics to provide a bright and even surface illumination

Part No.	Voltage (V)	Power (W)	Colour	CCT (°K)	Luminous Flux (lm)
PLSO500x235-105SL2835WW-12v/11w	12VDC	11W	Warm White	2700 – 3200K	1056 - 1152
PLSO500x235-105SL2835NAW-12v/11w	12VDC	11W	Natural White	4000 – 4500K	1056 - 1152
PLSO500x235-105SL2835PW-12v/11w	12VDC	11W	Cool White	6000 -6500K	1056 - 1152
PLSO500x235-105SL2835WW-12v	12VDC	32W	Warm White	2700 – 3200K	3072 - 3360
PLSO500x235-105SL2835NAW-12v	12VDC	32W	Natural White	4000 – 4500K	3072 - 3360
PLSO500x235-105SL2835PW-12v	12VDC	32W	Cool White	6000 -6500K	3072 - 3360
PLSO500x235-105SL2835WW-24v/11w	24VDC	11W	Warm White	2700 – 3200K	1056 - 1152
PLSO500x235-105SL2835NAW-24v/11w	24VDC	11W	Natural White	4000 – 4500K	1056 - 1152
PLSO500x235-105SL2835PW-24v/11w	24VDC	11W	Cool White	6000 -6500K	1056 - 1152
PLSO500x235-105SL2835WW-24v	24VDC	32W	Warm White	2700 – 3200K	3072 - 3360
PLSO500x235-105SL2835NAW-24v	24VDC	32W	Natural White	4000 – 4500K	3072 - 3360
PLSO500x235-105SL2835PW-24v	24VDC	32W	Cool White	6000 -6500K	3072 - 3360

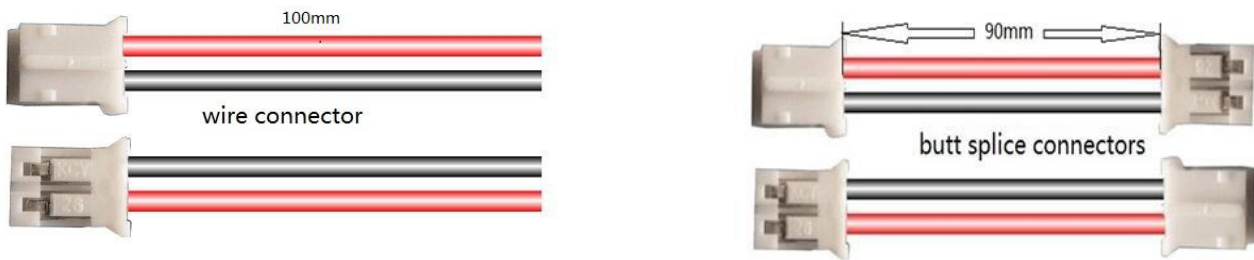
Notes:

IP Rating: IP20 Non waterproof
 Mechanical: Minimum bend radius 50mm
 LED pitch 33.5mm
 Connection: JST XHP-2
 Weight: 283g

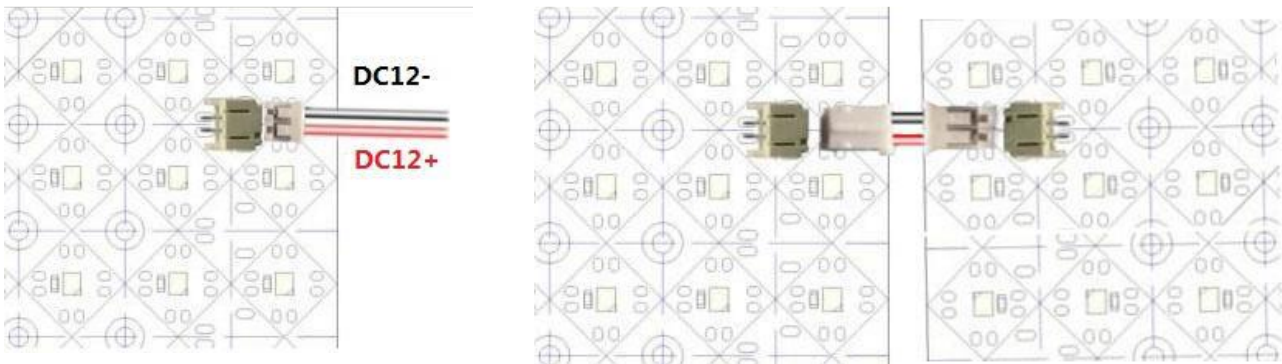
Dimensions



Connection



Sheets may be connected together to increase the backlighting area

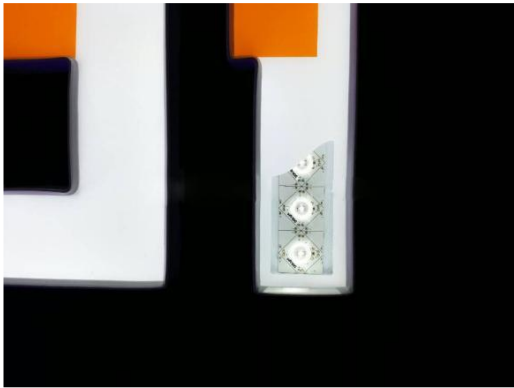


Notes

1. Observe 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.

Applications

Character illumination



Lightboxes

