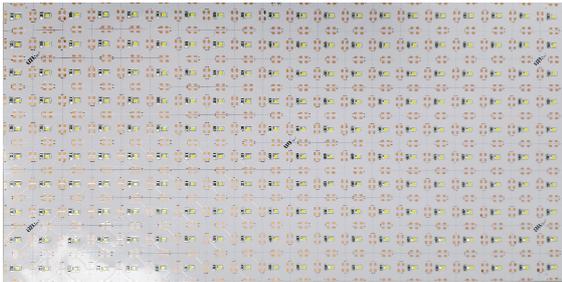


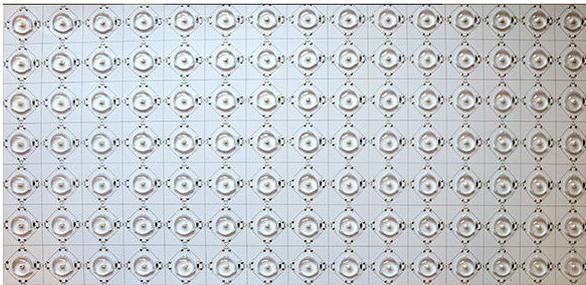
LED FLEXIBLE PANEL SERIES PRODUCT SERIES DATASHEET



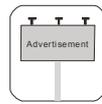
LED Flexible Panel Series



88Light LED Flexible Panel series is ideal for Backlighting, Decoration and Advertising.
With the 3M tape, the panel can be mounted easily anywhere.
88Light LED Flexible panel is widely used in Shopping Mall, Parking lots, Bus, Bank, Living Room, Cafe and so on.
CE RoHS approved.



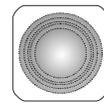
Applications:



Advertising



Backlight



Decoration



Restaurant

PRODUCT FEATURES

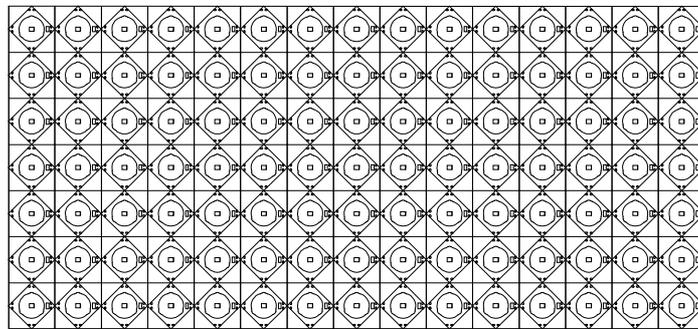
- Lightweight and slim, suitable for small spaces.
- Flexible, easy to bend into a variety of shapes, with 3M tape for easy installation (default no 3M tape).
- High quality single color, high brightness, low luminance decay SMD Chip.
- Large beam angle,.
- A variety of colors for option.
- Trimmable every LED group.
- 12V/24V dc low voltage, low power consumption, low heat, higher security.
- Long lifespan over 30,000 hours with free maintenance.
- Allow frequent on off.
- Working temperature: -20 ~ +45°C



LED FLEXIBLE PANEL SERIES
 PRODUCT SERIES DATASHEET



PRODUCT DIAGRAM



| Product Name | Length ¹ | Width | Height |
|-------------------------|---------------------|---------|--------|
| 88L-FP-L480x240-48W-12D | 480mm | 240mm | 2mm |
| 88L-FP-L480x240-48W-17D | 480mm | 240mm | 7mm |
| 88L-FP-L500x234-30W | 502.5mm | 234.5mm | 6.5mm |

Note 1: The dimension of the strips doesn't change with the LED color (NW-Natural white, CW-Cool White).

LED FLEXIBLE PANEL SERIES
PRODUCT SERIES DATASHEET



TECHNICAL DATA

Electrical data ^{2, 4}:

| Product Name ² | Input Voltage [Vdc] | Base | LED/group | Power | Dimmable [Y/N] | LED Qty | IP grade |
|---------------------------|---------------------|------|-----------|-------|----------------|----------------|----------|
| 88L-FP-L480x240-48W | 12/24 | No | 1 | 48W | Y | 200pcs SMD2835 | 20 |
| 88L-FP-L500x234-30W | 12/24 | No | 1 | 30W | Y | 105pcs SMD2835 | 20 |

Note: 2. Absolute ratings @ 25°C

Note: 3. 88L-FP-L170x170 is Smart IC Panel.

Optical Characteristics ^{2, 4}:

| Product Name | Color | Color Temperature [°K] | Using Distance | Luminous ⁴ [lm/w] | Beam Angle [V/L°] | CRI [Ra] |
|------------------------|--------------|------------------------|----------------|------------------------------|-------------------|----------|
| 88L-FP-L480x240-48W-CW | Cool White | 6500K | >50mm | 160 | 120/170 | 80 |
| 88L-FP-L480x240-48W-NW | Nature White | 4000K | >50mm | 150 | 120/170 | 80 |
| 88L-FP-L480x240-48W-WW | Warm White | 3000K | >50mm | 140 | 120/170 | 80 |
| 88L-FP-L500x234-30W-CW | Cool White | 6500K | >25mm | 85 | 170 | 80 |
| 88L-FP-L500x234-30W-NW | Nature White | 4000K | >25mm | 85 | 170 | 80 |
| 88L-FP-L500x234-30W-WW | Warm White | 3000K | >25mm | 85 | 170 | 80 |

Note 2: Absolute ratings @ 25°C

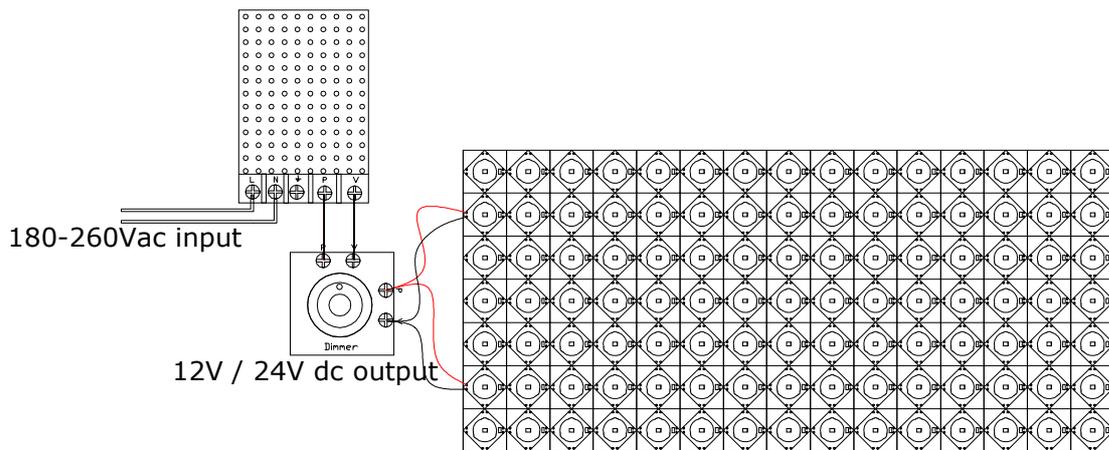
Note 4: Tolerance of measurement of luminous intensity±15%.

LED FLEXIBLE PANEL SERIES
PRODUCT SERIES DATASHEET



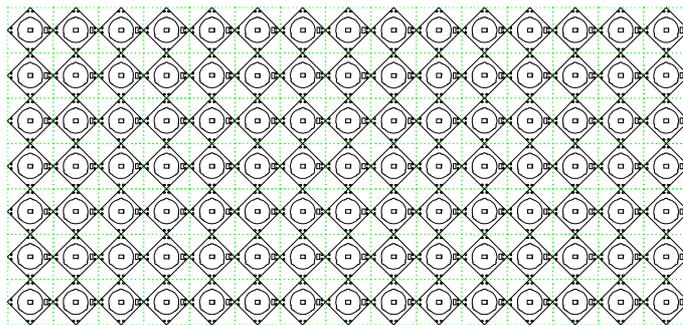
PRODUCT INSTALLATION 5,6

Electrical diagram drawing.



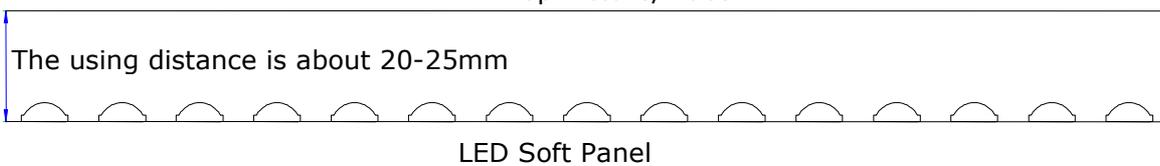
Note 5: One driver/port match one pcs panel.

Trimmable Instruction



Note 6: The flexible panel can be cut along the green (straight black line) line to adjust the size.

Top Picture/Place



LED Soft Panel

LED FLEXIBLE PANEL SERIES PRODUCT SERIES DATASHEET



SAFETY

1. **Always** consult a qualified, licensed electrician prior to the installation of this product.
2. **Always** pre-test your strip light assembly by connecting the strip to a power supply and ensure that all components are joined properly before installing.
3. It is recommended that adequate airflow and heat sink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. Exceeding the operating temperature values may damage LED chips by reducing the lamp life and lumen output, and impact color consistency.
5. Cut along the cutting line, or parts of the panel will not work.
6. Avoid voltage drop by using a dedicated line for each maximum power consumption line.
7. This product should only be cut at "cut points," if it's cut at the wrong place, then some LED will not work.
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply.
9. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.

OTHER 88Light PRODUCTS:

For more information about 88Light products, or to use our online energy saving calculation software please visit our website

www.88light.com

DISCLAIMER:

88Light reserves the right to modify the design of our products as part of the company's program of continuous improvement. 88Light cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.