LED FLEXIBLE PANEL SERIES
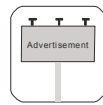# PRODUCT SERIES DATASHEET

www.88Light.com

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.
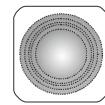CE RoHS approved.

Applications:

Advertising   **Backlight**   **Decoration**   **Restaurant**

PRODUCT FEATURES

- Lightweight and slim, suitable for small spaces.

- Flexible, easy to bend into a variety of shapes.

- Easy to install with 3M tape or nails (default no 3M tape).

- High quality single color, high brightness, low luminance decay SMD Chip.

- Large beam angle 120 degree and 170 degree for options.

- A variety of colors for option 2700K, 3000K, 4000K and 6500K.

- 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

Light Weight   Easy to install   Trimmable   Flexible   Longlife   Saving Energy   Hg   Indoor   FC   CE   RoHS

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PRODUCT SERIES DATASHEET

PRODUCT DIAGRAM
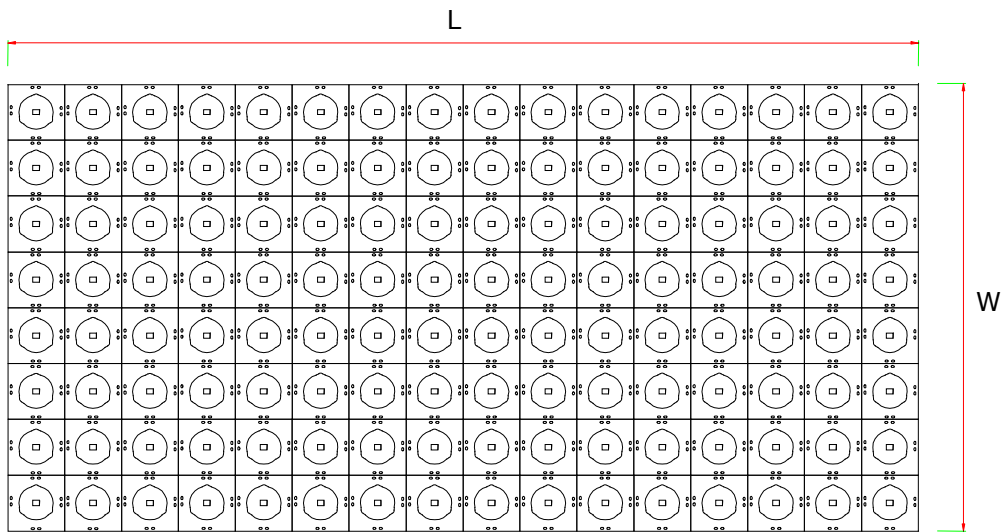
Product Name	Length [1]	Width	Height
88L-FP-L480x240-128-12D	480mm	240mm	2mm
88L-FP-L480x240-128-17D	480mm	240mm	7mm
88L-FP-L480x240-200-12D	480mm	240mm	2mm
88L-FP-L480x240-200-17D	480mm	240mm	7mm

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

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PRODUCT SERIES DATASHEET

TECHNICAL DATA

Electrical data [2, 3]:

Product Name[2]	Input Voltage [Vdc]	Base	LED/group	Power[3]	Dimmable [Y/N]	LED Qty	IP grade
88L-FP-L480x240-128	12/24	No	1	30W	Y	128pcs SMD2835	20
88L-FP-L480x240-200	12/24	No	1	48W	Y	200pcs SMD2835	20

Note: 2. Absolute ratings @ 25°C
Note: 3. Default power.

Optical Characteristics [2, 4]:

| Product Name	Color	Color Temperature [°K]	Using Distance	Luminous [4] [lm/w]	Beam Angle [V/L°]	CRI [Ra]
88L-FP-L480x240-128-CW	Cool White	6500K	>20mm	160	120/170	80
88L-FP-L480x240-128-NW	Nature White	4000K	>20mm	150	120/170	80
88L-FP-L480x240-128-WW	Warm White	3000K	>20mm	140	120/170	80
88L-FP-L480x240-200-CW	Cool White	6500K	>20mm	160	120/170	80
88L-FP-L480x240-200-NW	Nature White	4000K	>20mm	150	120/170	80
88L-FP-L480x240-200-WW	Warm White	3000K	>20mm	140	120/170	80

Note 2: Absolute ratings @ 25°C
Note 4: Tolerance of measurement of luminous intensity±15%.

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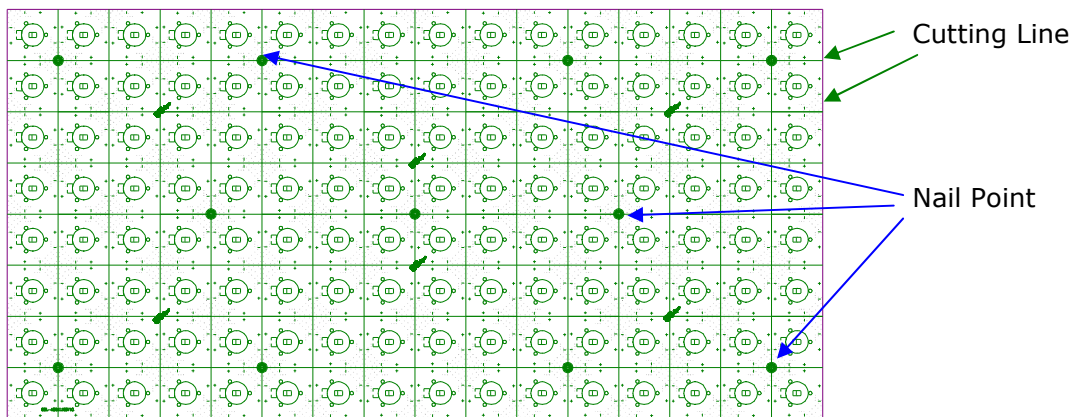# PRODUCT SERIES DATASHEET
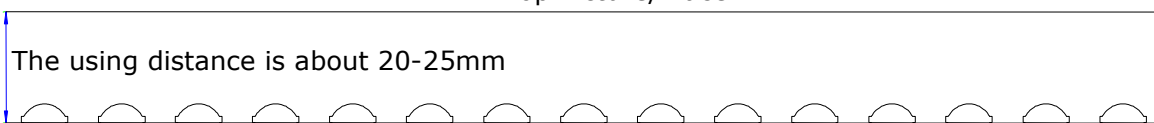
PRODUCT INSTALLATION [5,6]

Electrical diagram drawing.

180-260Vac input

Dimmer

12V / 24V dc output
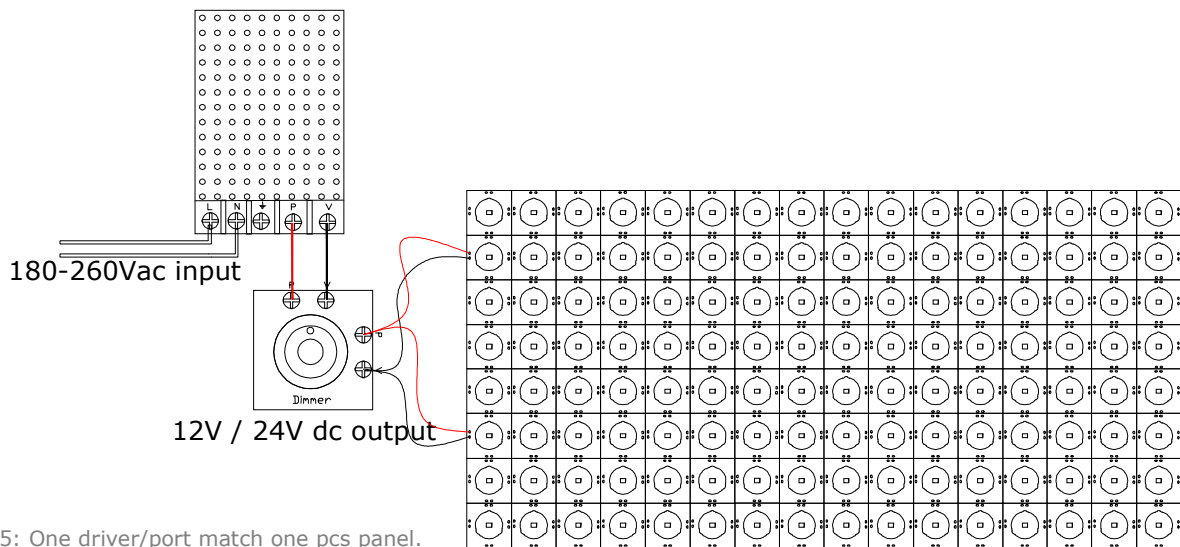
Note 5: One driver/port match one pcs panel.

Trimmable Instruction

Cutting Line

Nail Point

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

Top Picture/Place

The using distance is about 20-25mm

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, otherwise parts of the panel will not work, and the edge should be cleaned to avoid short connected.

6. If nails needed, the nails only can be used at the nail point.

7. Avoid voltage drop by using a dedicated line for each maximum power consumption line.

8. This product should only be cut at "cut points," if it's cut at the wrong place, then some LED will not work.

9. 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.

10. 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.