# PANEL FLEX SERIES
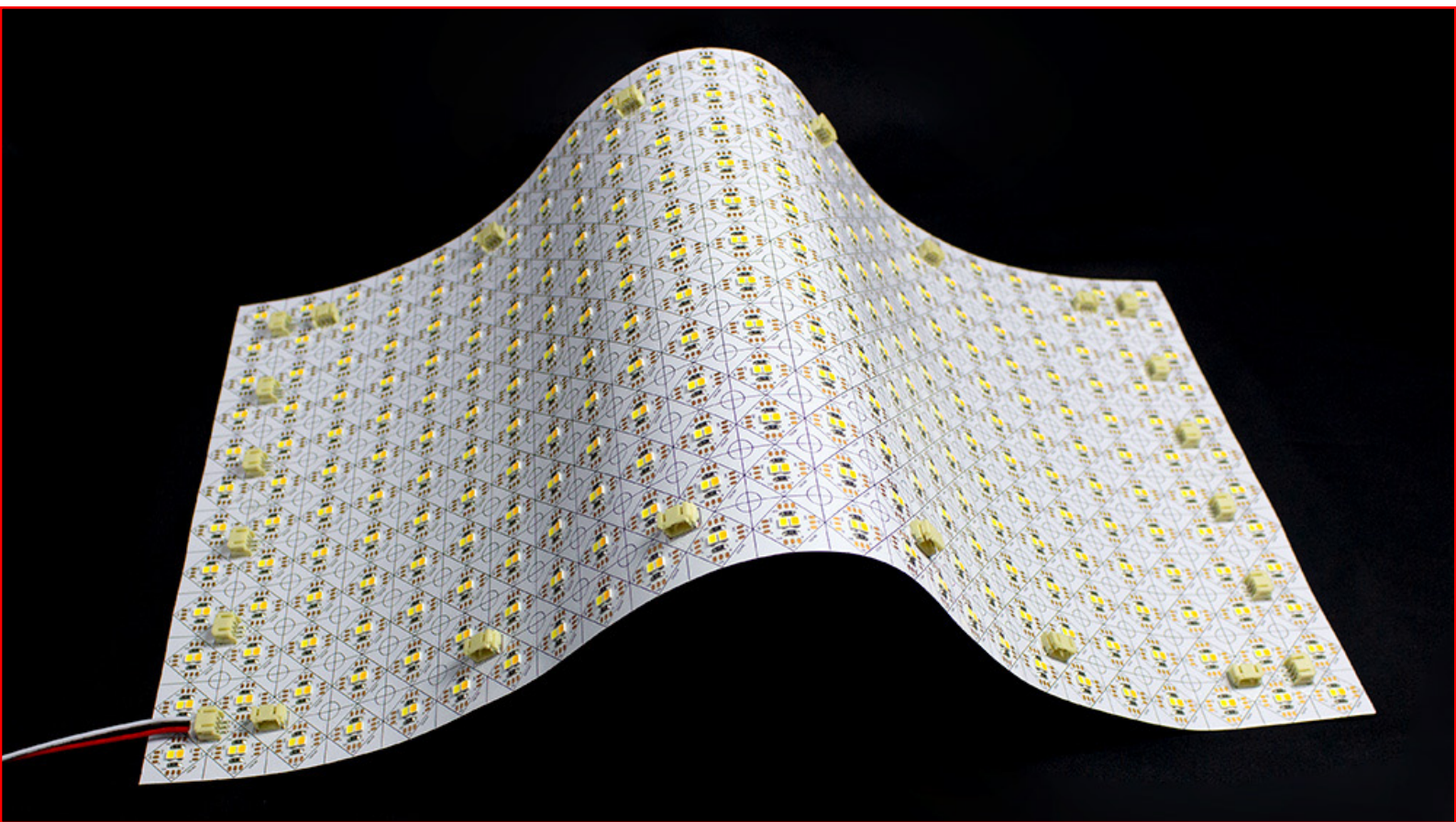
2835TW  576LEDs/m  30W/Sheet
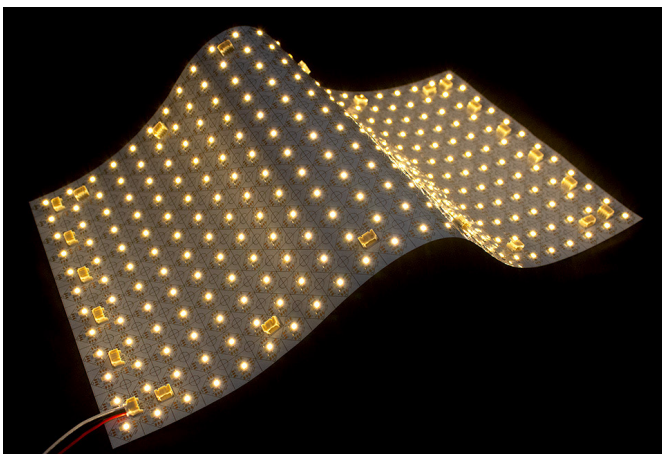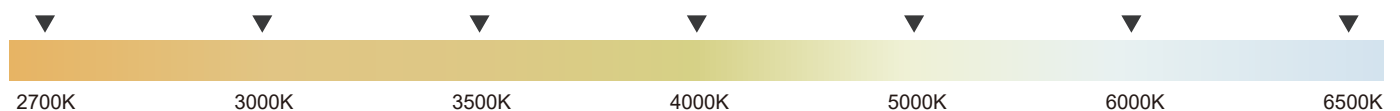
## Standard Size: **480*240mm**

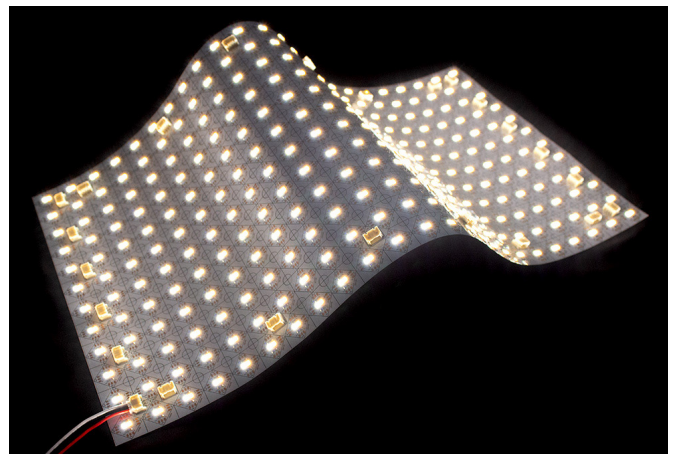| PL | PRO | DUAL COLOR | ⚡ 24VDC | 480*240 MM | 1 SHEET PACKAGE |

# GRILITELUX

## Product Features

1. 480*240mm size, 576LEDs/piece.
2. Tunable white option, 2LEDs/cut. Customer can customize shape by themselves.
3. Regular CCT 2700K+6500K, other can be customized.
4. No soldering. With 24 terminals (plugs) on the sheets, more convenient connection with the accessories we provide.
5. Ideally suitable for backlighting of counter and bar tops and advertisement board.
6. More specific customizations like wattage, size, cuttable area is provided.
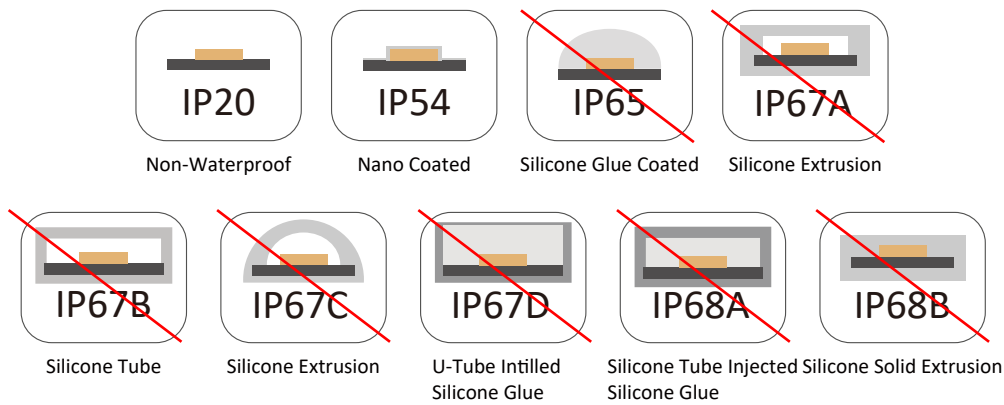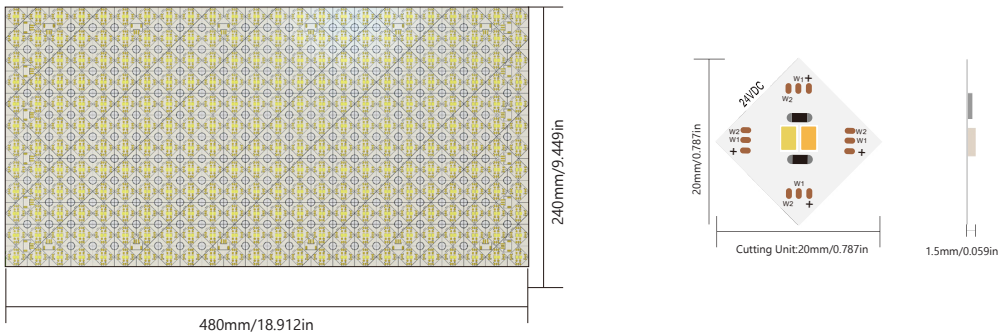7. Warranty: 3 years.

## CCT Option

| 2700K | 3000K | 3500K | 4000K | 5000K | 6000K | 6500K |



Lighting Effect



Lighting Effect

# GRILITELUX

## IP Rating Option



**IP20** — Non-Waterproof

**IP54** — Nano Coated

**IP65** — Silicone Glue Coated

**IP67A** — Silicone Extrusion

**IP67B** — Silicone Tube

**IP67C** — Silicone Extrusion

**IP67D** — U-Tube Intilled Silicone Glue

**IP68A** — Silicone Tube Injected Silicone Glue

**IP68B** — Silicone Solid Extrusion

## Dimension(mm/inch)



240mm/9.449in

480mm/18.912in

20mm/0.787in

24VDC

W1+  W2  W2  W1  +  W1  W2

Cutting Unit:20mm/0.787in

1.5mm/0.059in

| Length | Width | Height | Min.Cutting |
|---|---|---|---|
| 480mm/18.912in | 240mm/9.449in | 1.5mm/0.059in | Every 20*20mm/0.787*0.787in (2LEDs) |

## Note:

LED panel flexlength toleranceis +-0.2%mm
Width tolerance is +-0.2%mm.
DC 24V

# GRILITELUX

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## Data

| Part Number | Working Voltage | Power | Current | LED Qty | CRI |
|---|---|---|---|---|---|
| GL-LSE2835-576D-CT | 24V | 30W/Sheet | 1.283A/Sheet | 576LEDs/Sheet | 90+ |

| CCT (°K) | Luminous Efficiency | lumen/Sheet | Size |
|---|---|---|---|
| 2700K(15W) | 92lm/W | 1417lm/Sheet | 480*240MM |
| 4000K(30W) | 83lm/W | 2569lm/Sheet | 480*240MM |
| 6500K(15W) | 75lm/W | 1159lm/Sheet | 480*240MM |

## Note:

The data base on IP20 non-waterproof.
The Lumen output value tolerance + -5% due to testing way.
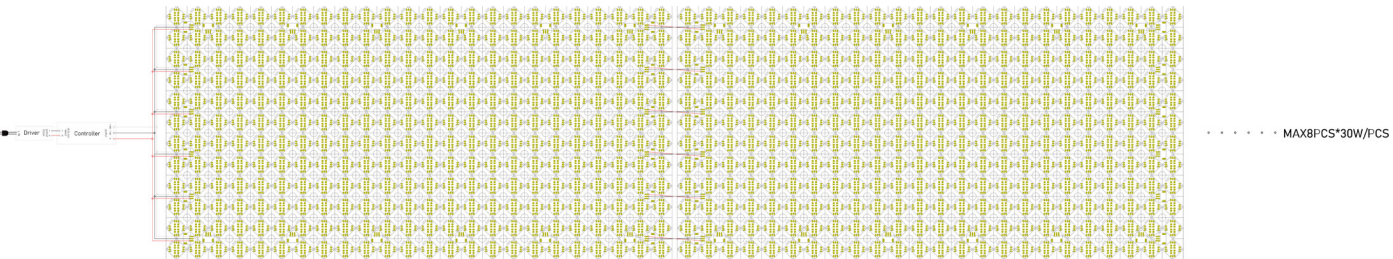The CCT will be + -100k tolerance.

## Absolute Maximum Ratings

| Parameter | Symbol | Value |
|---|---|---|
| Thermal Measurement Point | Tc | 80°C/176°F |
| Operating Temperature | Topr | <80°C/<176°F |
| Storage Temperature | Ts | -20~+ 60°C/-68~140°F |
| Number of FPC Connection | | |

## Wiring Diagram Application

| | | | | | |
|---|---|---|---|---|---|
| GL-3P-STS-1 | GL-3P-STS-2 | GL-3P-STW-3 | GL-SP | V2+R7 | LRS-50-24 |

## Wiring Diagram Application



Driver | Controller ···· MAX8PCS*30W/PCS

## Packaging



1 Sheet          50 Sheets

# GRILITELUX

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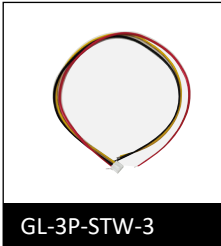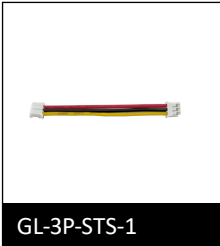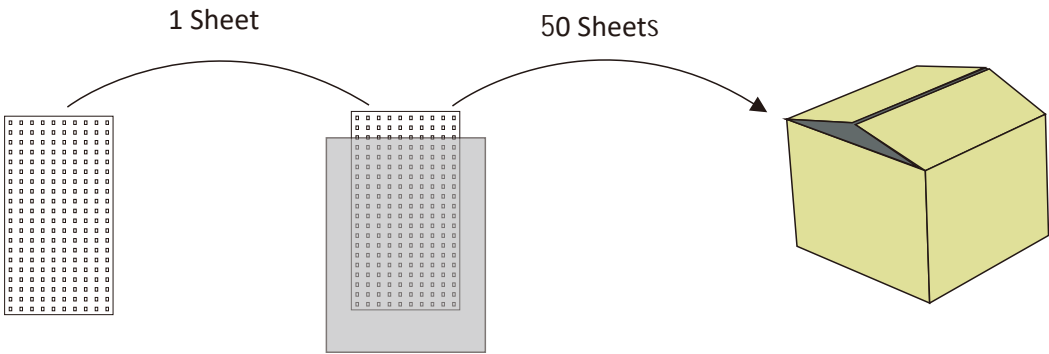
## Cautions
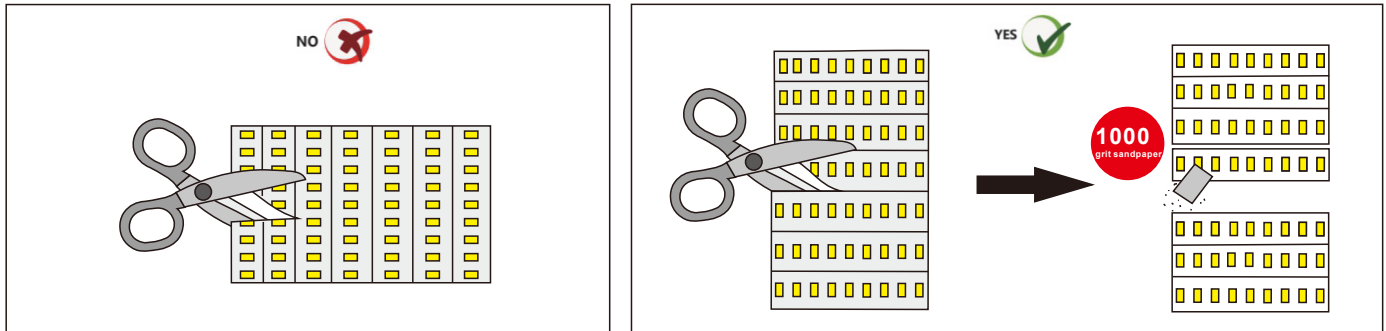


### Special attention:

( After cutting, you need to pay attention to grinding, otherwise there will be a short circuit when rolling.

Because the front is negative and the back is positive, if it is not polished, there is a risk of connecting the upper and lower

poles, resulting in a short circuit.

(Use sharp scissors, sand with 1000-grit sandpaper, and use a blade to scrape off any copper foil that may short-circuit)

## Safety & Disclosure

1. Do not install the panel flex in environment wh ere excessive heat may occur.

2. Only use copper wiring. Use wires rated for at least 176°F(80°C) and certified for use with external

   connection of electrical equipment.

3. Do not install IP20 panel flex products in outdoor / wet location environments.

4. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

5. Improper wire selection and installation could overheat wires, and cause fire.

6. Do not connect directly to high voltage or AC power.

7. Installation must be in accordance with local and national electrical code regulations.

8. To ensure safety and correct installation, our product are intended to be installed by a qualified

   Licensed electrician.

# GRILITELUX

## Installation method

1. Hit the screw;

2. Thermally conductive double-sided tape, mounted on the radiator;

(The radiator is 1.2-3.0MM thick, and the 6063 aluminum plate is used for heat dissipation)

## Note

### 1) Heat dissipation:

The closed space needs to add holes on the side to ensure that the internal temperature is radiated outwards:If it is installed on the wall, holes should be punched around the sides to allow the internal air to circulate with the outside air, increase heat dissipation and reduce temperature.If with more quantity, it is also necessary to increase the fan to form an inhalation and exhalation.

### 2) Connection Wiring:

-- Single row 8 pieces connect together. (Power from single side. There need to be at least 5 pieces of wires between each sheet.)

### 3) Distance:

Eg:

When using a panel flex with lens to install, if the distance between the backlight source and the billboard is 5cm, the distance between the two panels is within 2cm;While with the lensless panel flex to install, as close as possible between the two panels.