PANEL FLEX SERIES

5050 288LEDs/m 70W/Sheet

Standard Size: **480*240mm**

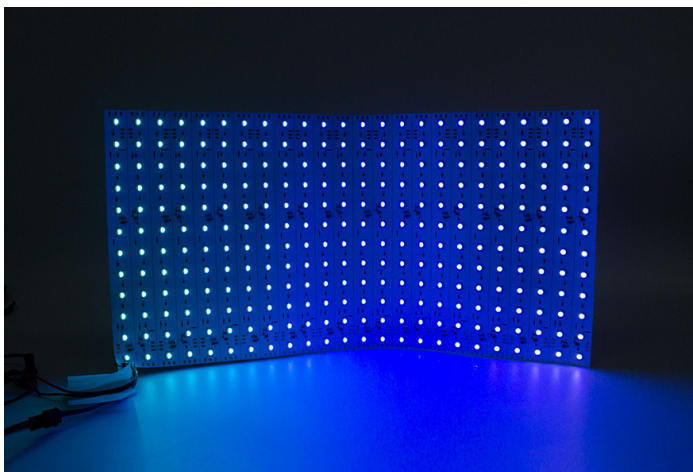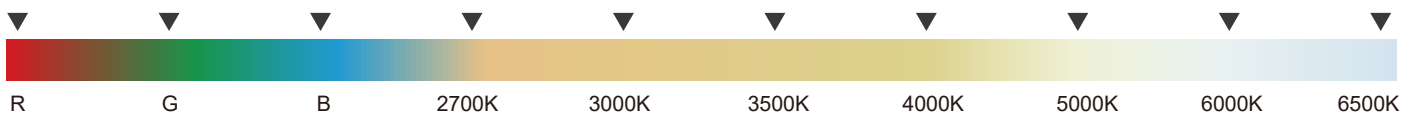|					
PL	SPI RGBW	WS 2814C	⚡ 24VDC	480*240 MM	1 SHEET PACKAGE
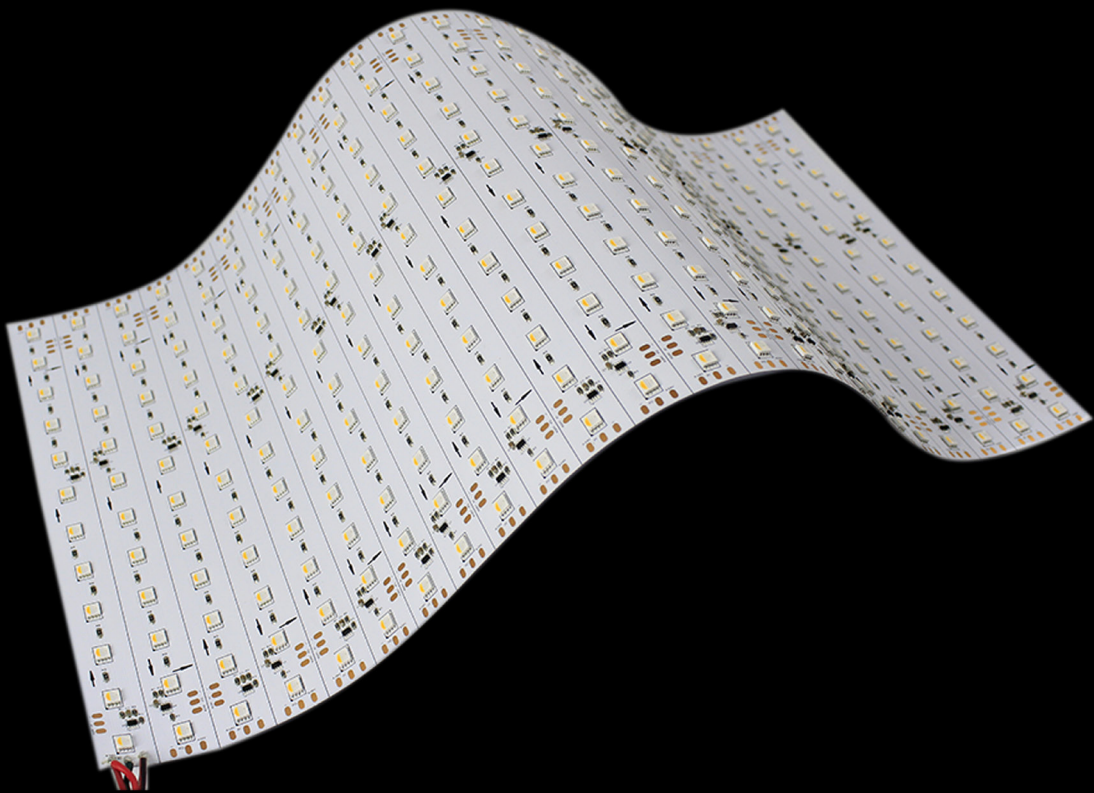
GL-LSE5050-288D-SPIRGBW
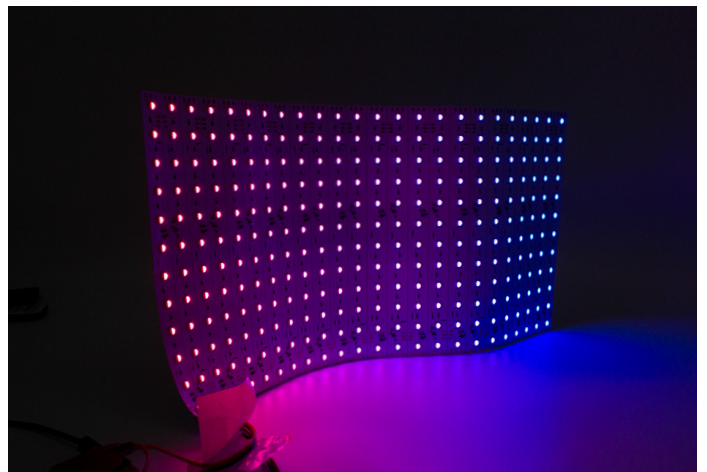
GRILITELUX

Product Features

1. 480*240mm size, 288LEDs/piece.
2. SPI RGBW 4 in 1 design, IC type WS2814C.
3. Each 12 LEDs with 2 IC in one section.
4. Uniform lighting and color changing effect.
5. Ideally suitable for backlighting of counter and bar tops and advertisement board.
6. Matched wires and controllers are available.
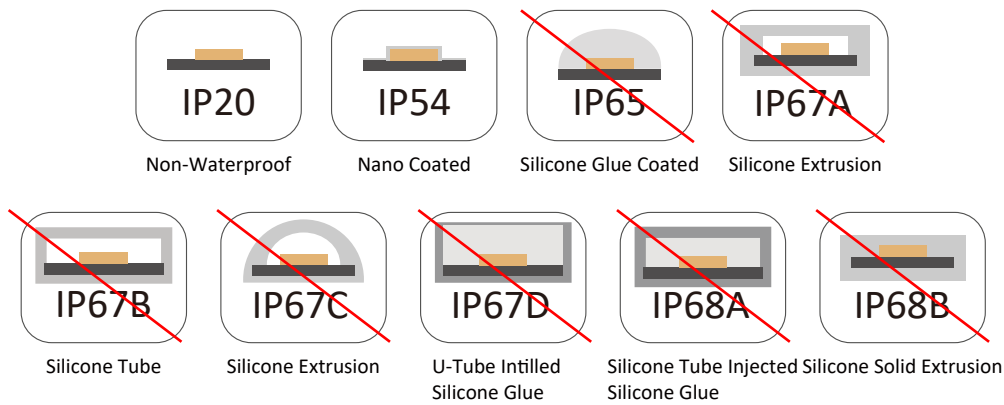7. Warranty: 3 years.

CCT Option

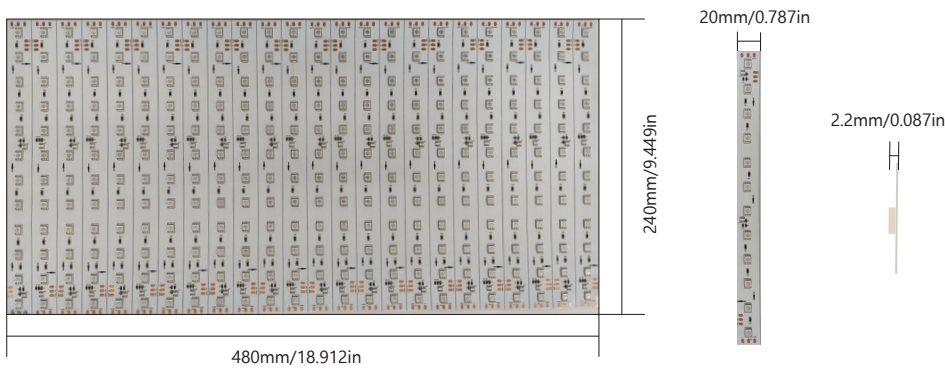| R | G | B | 2700K | 3000K | 3500K | 4000K | 5000K | 6000K | 6500K |

Lighting Effect

Lighting Effect

GRILITELUX

IP Rating Option

IP20	**IP54**	**IP65**	**IP67A**
Non-Waterproof	Nano Coated	Silicone Glue Coated	Silicone Extrusion

IP67B	**IP67C**	**IP67D**	**IP68A**	**IP68B**
Silicone Tube	Silicone Extrusion	U-Tube Intilled Silicone Glue	Silicone Tube Injected Silicone Glue	Silicone Solid Extrusion

Dimension(mm/inch)

480mm/18.912in

240mm/9.449in

20mm/0.787in

2.2mm/0.087in

Length	Width	Height	Min.Cutting
480mm/18.912in	240mm/9.449in	2.2mm/0.087in	Every 20*240mm/0.787*9.449in (12LEDs)

Note:
Led strip length tolerance is ±10MM based on 5M/roll, IP20 & IP54.

Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
GL-LSE5050-288D-SPIRGBW	24V	70W/Sheet	2.935A/Sheet	288LEDs/Sheet	/

CCT (°K)	Luminous Efficiency	lumen/Sheet	Size
RGBW(2700K+6500K)	41lm/W	2900lm/Sheet	480*240MM
RGB	/	/	/
1800K-6500K)	/	/	/

Note:

The data base on IP20.
The Lumen output value tolerance is ±5% due to testing way.
The CCT tolerance is ±5% due to testing way.

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

Wires	Controller		
3PIN Plug Wire (Male & Female)	SP639E (Recommended)	K-1000C (Recommended)	SC

Wiring Diagram Application

MAX8PCS*30W/PCS

Packaging

1Sheet

100Sheet

GRILITELUX
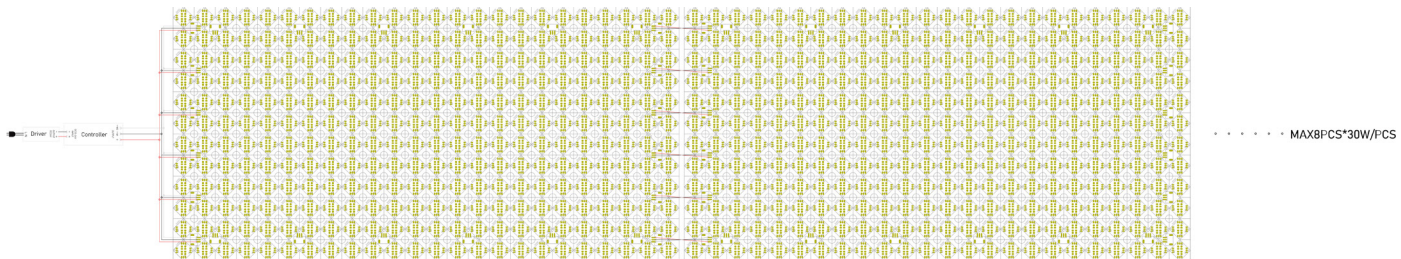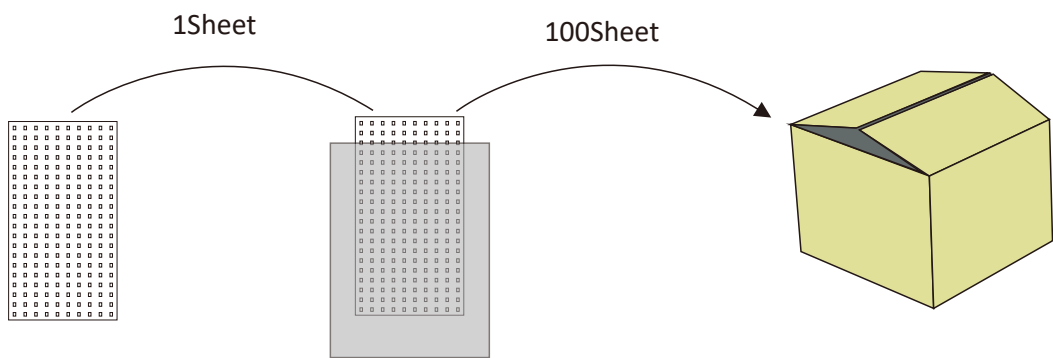
Cautions
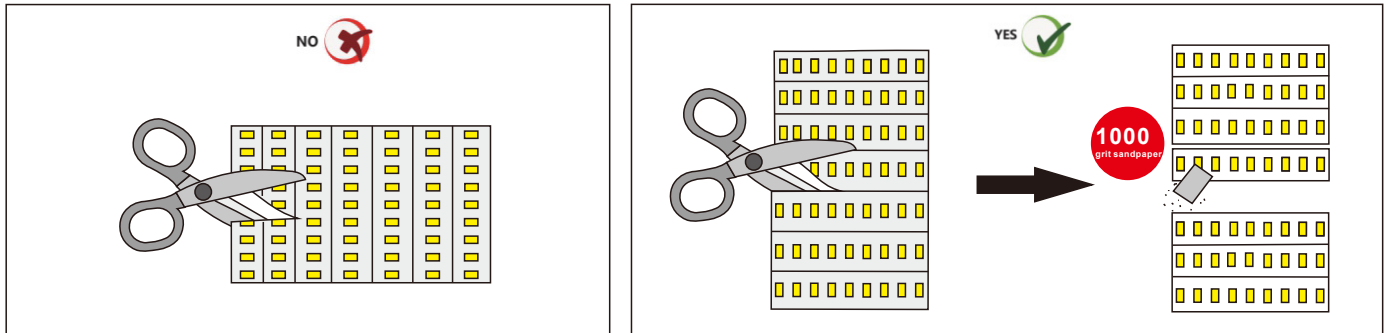
Special attention:

(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:

-- Max to 30 pcs connections, 5pcs (vertical) * 6pcs (horizontal), using 18AWG wire.

-- Terminal connectors are only suitable for 2-3 pcs of connection, because the carrying current is not enough, otherwise the connector will burn and the wires will melt.

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.