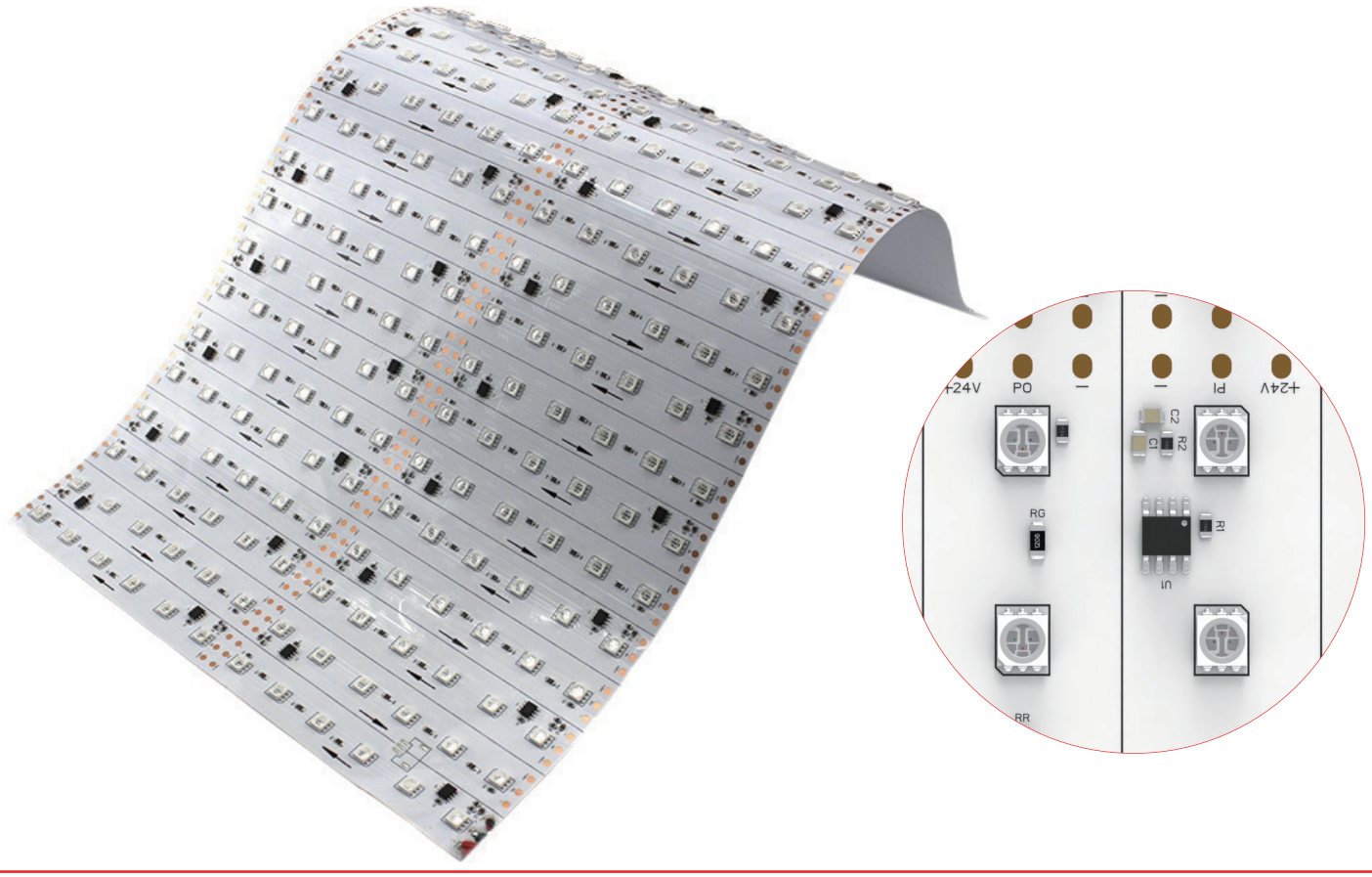
PRODUCT DATA SHEET

PL RGB SPI TM 1923

PANEL FLEX
5050MG 288LEDs/M 75W/ PCS



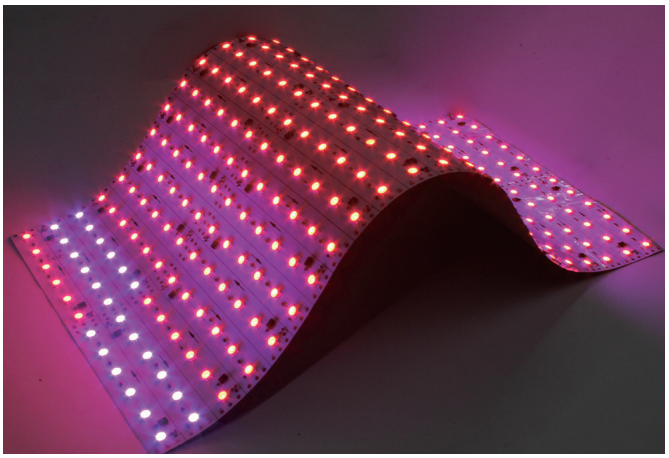
PL288F24I-DIG

c UL us LISTED E497000 · TUV Rheinland CERTIFIED · UK CA · CE · RoHS compliant

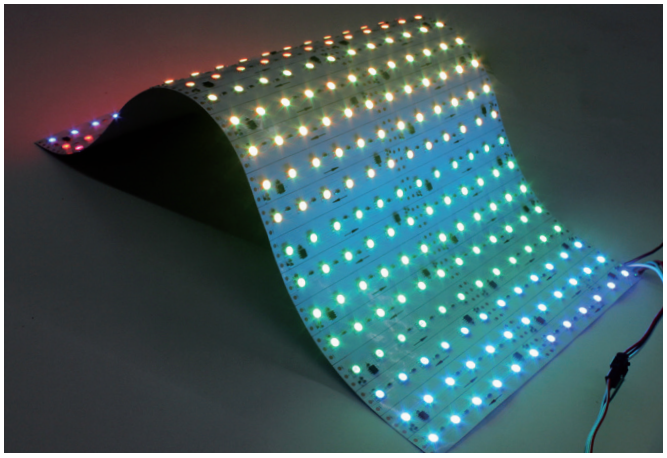
Product Features

1. Suitable for advertisements, counter and bar tops, curved surfaces, low clearance applications, etc.
2. With TM1923IC and high output 5050 RGB LED source, SPI digital panel flex are specifically engineered to be dimmable, field customizable solution and around curvilinear shapes.
3. Easily and quickly without soldering. It allows non-site customization which can eliminate custom order lead times.

CCT Option

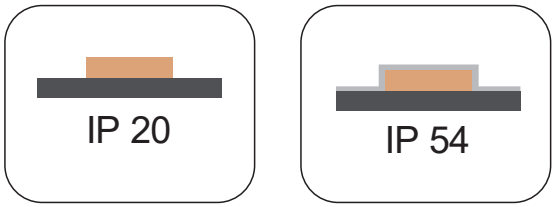


Lighting Effect



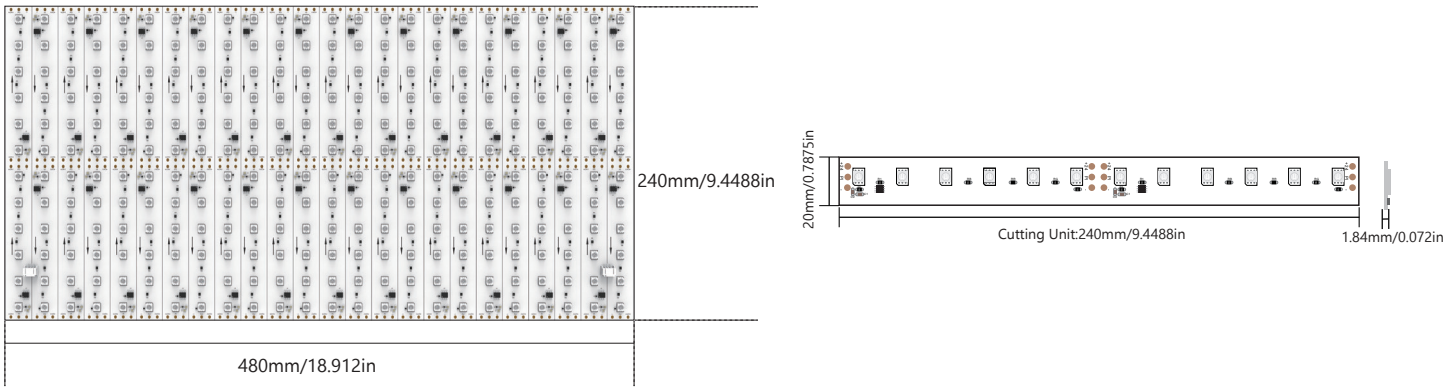
Lighting Effect

IP Rating Option



Non-Waterproof Nano Coated

Dimension mm/inch



Length	Width	Height	Min. Cutting
480mm/18.912in	240mm/9.4488in	1.84mm/0.072in	Every 20*240mm/0.787*9.4488in (12LEDs)

Note:

LED panel flex length tolerance is +-0.2%mm.
Width tolerance is +-0.2%mm.
DC 24V

Data

Part Number	Working Voltage	Power (W/PCS)	Current (A/PCS)	LED Qty/PCS	CRI
PL288F24I-DIG	24V	75 W/PCS	3.147A /PCS	288LEDs/PCS	/

CCT (°K)	Luminous Efficiency	Lumen/PCS
RGB	23 lm/W	1725 lm/PCS

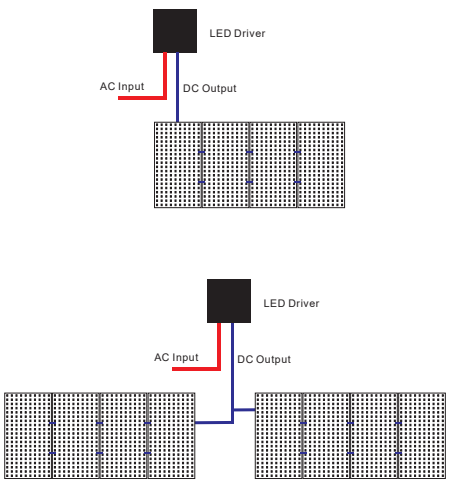
Note:

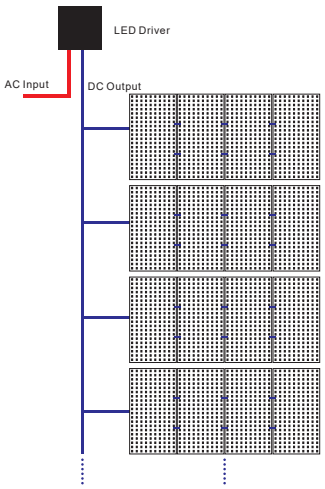
The data base on IP20 non-waterproof.
The Lumen output value tolerance + -5% due to testing way.
The CCT will be + -100k tolerance.

Absolute Maximum Ratings

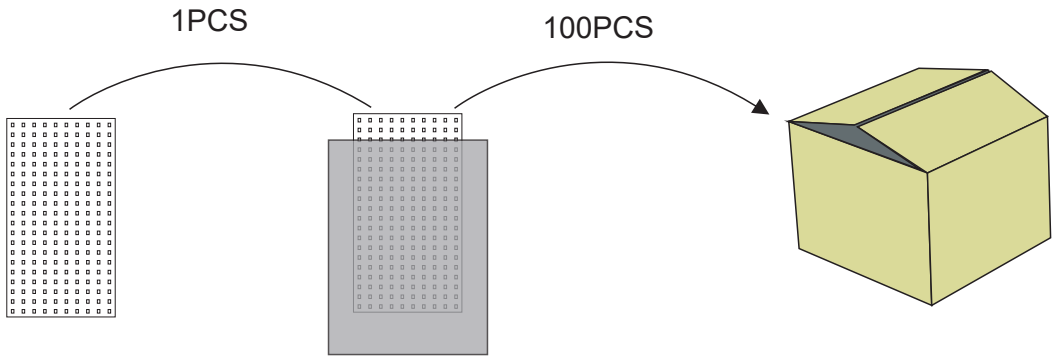
Parameter	Symbol	Value
Thermal Measurement Point	Tc	80°C/176°F
Operating Temperature	Topr	<80°C/<176°F
Storage Temperature	Ts	-20~+60°C/-68~140°F
Number of FPC Connection		

Wiring Diagram Application

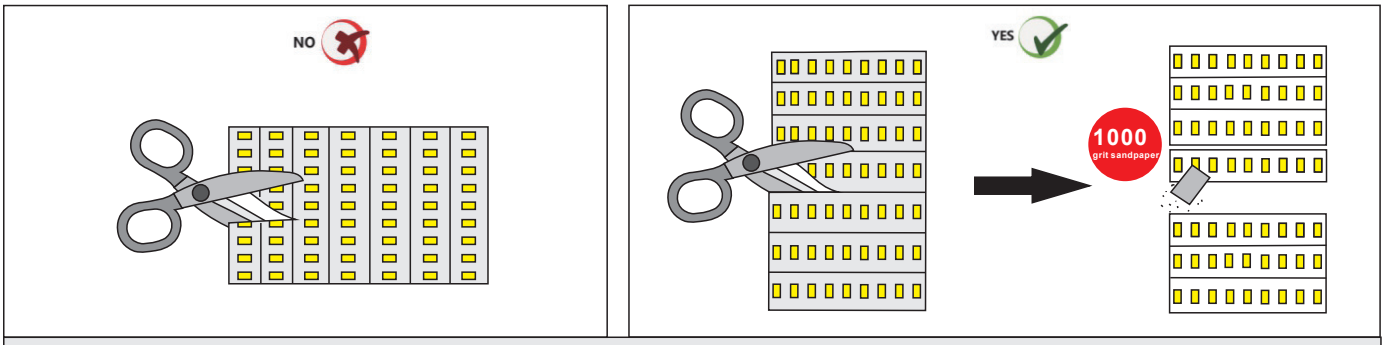




Packaging



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 & Disclosures

1. Do not install the panel flex in environment where 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.

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.