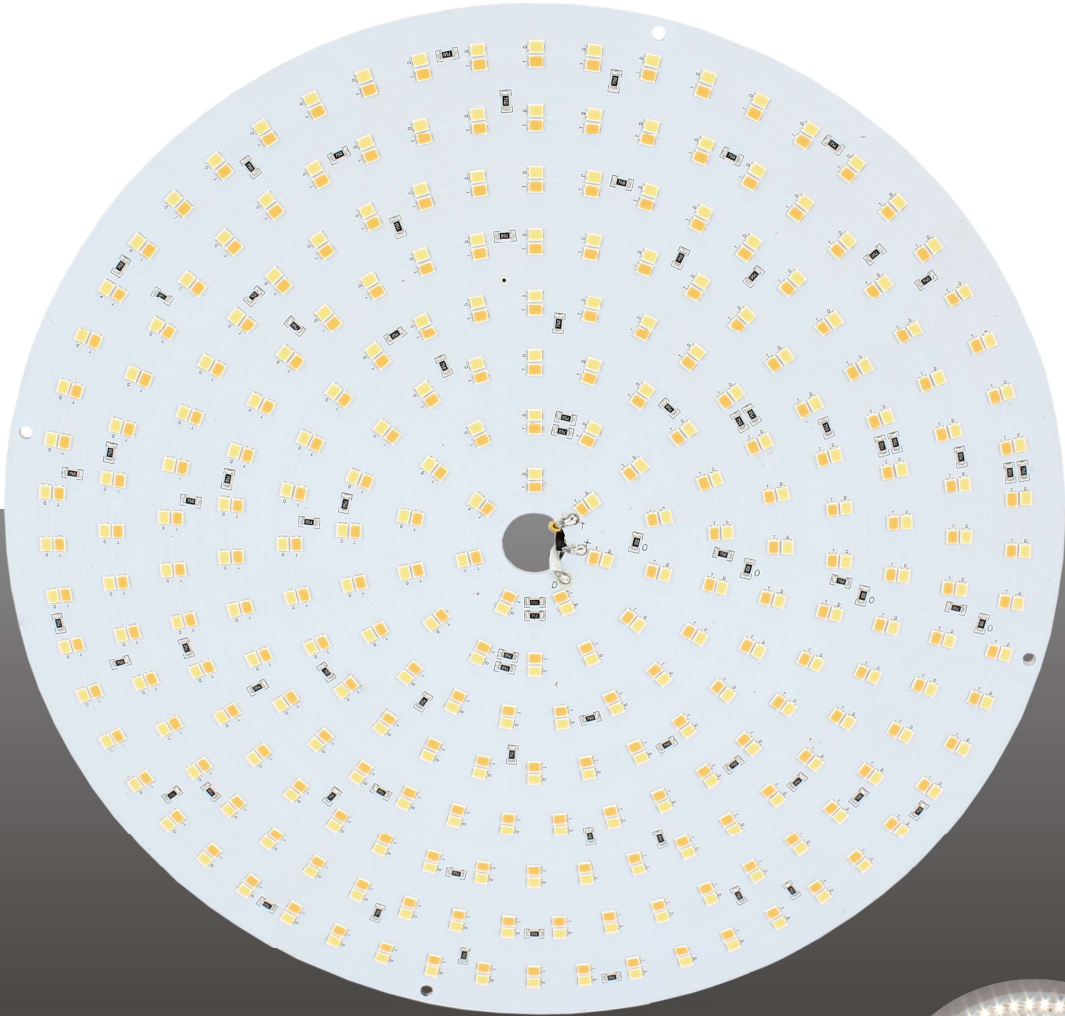


High CRI Hybrid Round Aluminum LED Panel



- Bi-color
- DC24V
- High CRI
- Full spectrum
- Indoor use
- 120° View angle
- CE
- RoHS
- UL LISTED E495503
- Class III
- 3 Years Warranty





High CRI Hybrid Round Aluminum LED Panel

Description

High CRI hybrid round aluminum LED panel, top quality, super bright high CRI 2835 SMD are used as light sources, high output, high CRI, full spectrum with no color “spikes” combine to produce a rigid light panel that is unprecedented in low voltage LED technology.

By using high high thermal conductivity aluminum PCB with 2 ounces copper layer, ensures the rigid LED panel with good electrical conductivity, lower voltage drop, and nice heat dissipation effect. Designed with 10” diameter, with tungsten leds and daylight leds uniform layout, makes a even light distribution.

High CRI hybrid round aluminum LED panel using high output 2835SMD with high CRI, which provide a high lumen output in small size. By using bi-color leds, tungsten(1800-3200K) led as well as daylight (5600-6500K), for standard Tungsten 2800K, Daylight 5600K or 6500K alternative, hybrid round aluminum LED panel provide both tungsten, daylight options and any color temperature in between and mixed, with 120degree view angle allows for soft, even output even at close distances.

High CRI hybrid round aluminum LED panel come with bare wire, locking connectors, wire with phoenix connector, or any other connector you are required. For standard come with bare wire 15cm.

Designed to be used for film, television, and wherever a desire for high quality lighting is required. They are fantastic in tight spaces and for shooting on location. Extremely versatile, light-weight, color-correct, and economical make the hybrid LED panels a hit with cinematographers and DOPs alike.

Besides, it can be use to make finished round lighting for film, television use.

Hybrid round aluminum LED panel is complied with UL,CUL, CE and RoHS standard without harmful substance, such as lead or Mercury etc. By using good materials and super light sources with low lumens depreciation, which make these panels with long life-span over 80, 000 hours, and we offer 3 years warranty.

Technical Parameter

Absolute Maximum Rating at TA=25 C

| Parameter | Symbol | Absolute Maximum Rating | Unit |
|-------------------------|--------|-------------------------|------|
| LED Qty. | -- | 504pcs(T/D each 252pcs) | PCS |
| Forward Current | IF | 3.4 | A |
| Forward Voltage | VF | 24 | VDC |
| W Typical CRI | Ra | Ra>96/ R1-R15>90 | -- |
| TLCI | -- | >95 | -- |
| Rf/Rg | -- | Rf >95/Rg>100 | -- |
| View Angle | θ/2 | 120 | ° |
| Electrostatic discharge | ESD | 3000 | V |
| Operating Temperature | Topr | -25~+60 | °C |
| Storage Temperature | Tstg | -40~+80 | °C |

Typical Electrical / Optical Characteristics at TA=25°C

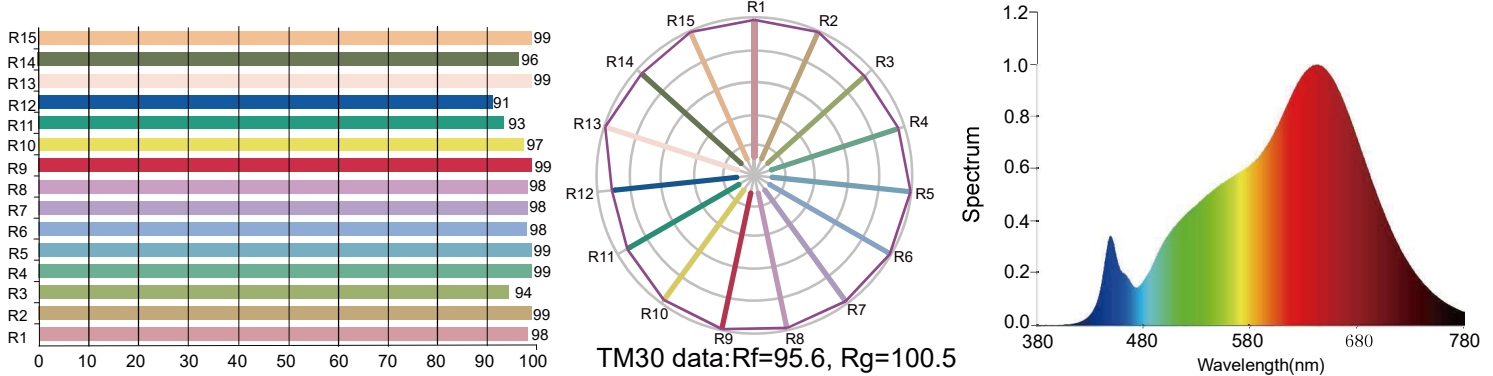
| Part No. | Color | WLD/CCT | Lumens | Panel size | Voltage | Current | Max. Power |
|----------------------|----------|----------------|--------|--------------------|---------|---------|------------|
| GLU-RPL0300B1504-24V | Tungsten | 2800K | 3450lm | Φ250mm 10inches | 24 VDC | 3.4A | 80W |
| | Daylight | 5600K or 6500K | 3950lm | | | | |

Note:

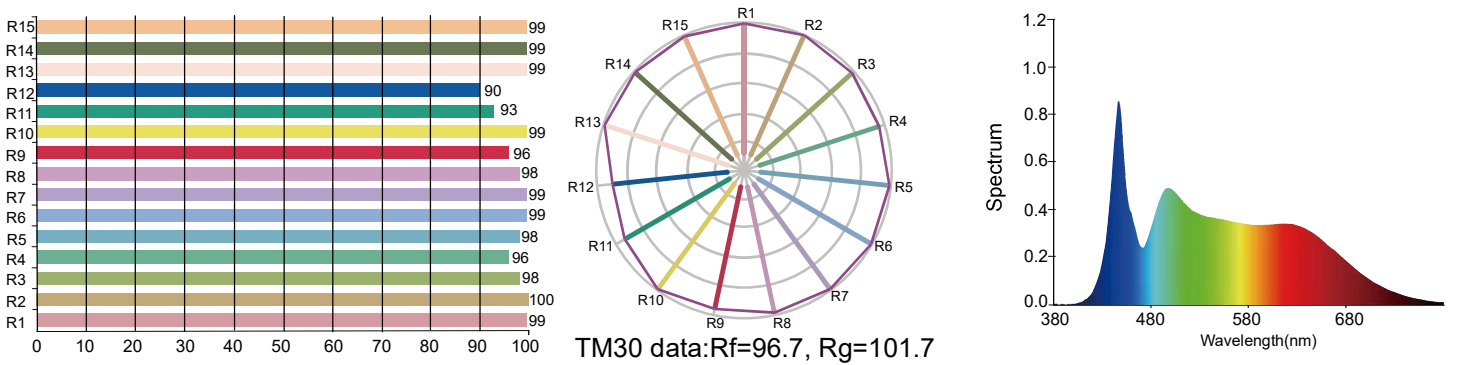
1. The lumen flux tolerance is ±10% due to difference for test equipment;
2. The data above is based on single piece.

CRI & Spectrum chart

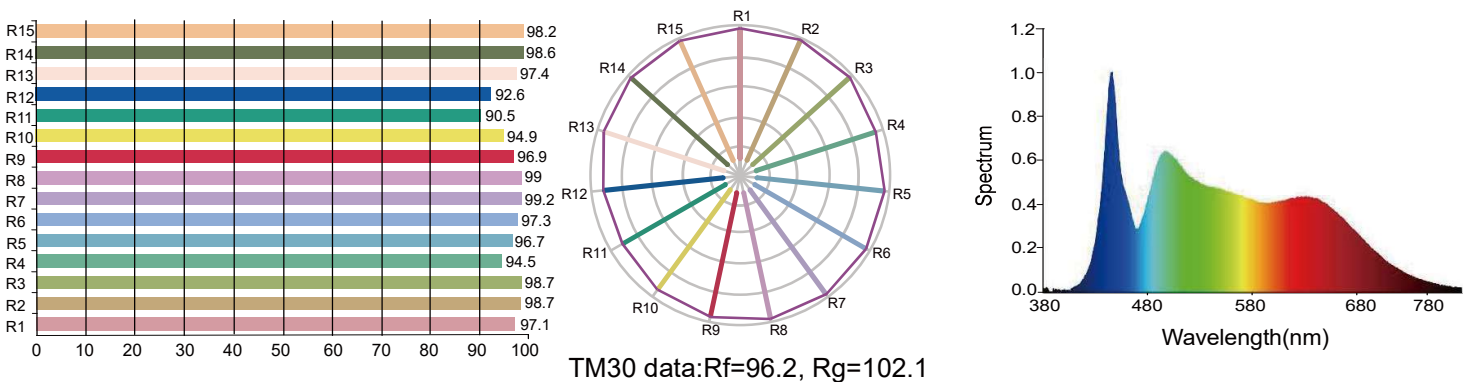
TUNGSTEN COLOR RENDERING INDEX 2787K Ra=97.7



DAYLIGHT COLOR RENDERING INDEX 5646K Ra=98.3



DAYLIGHT COLOR RENDERING INDEX 6560K Ra=97.7

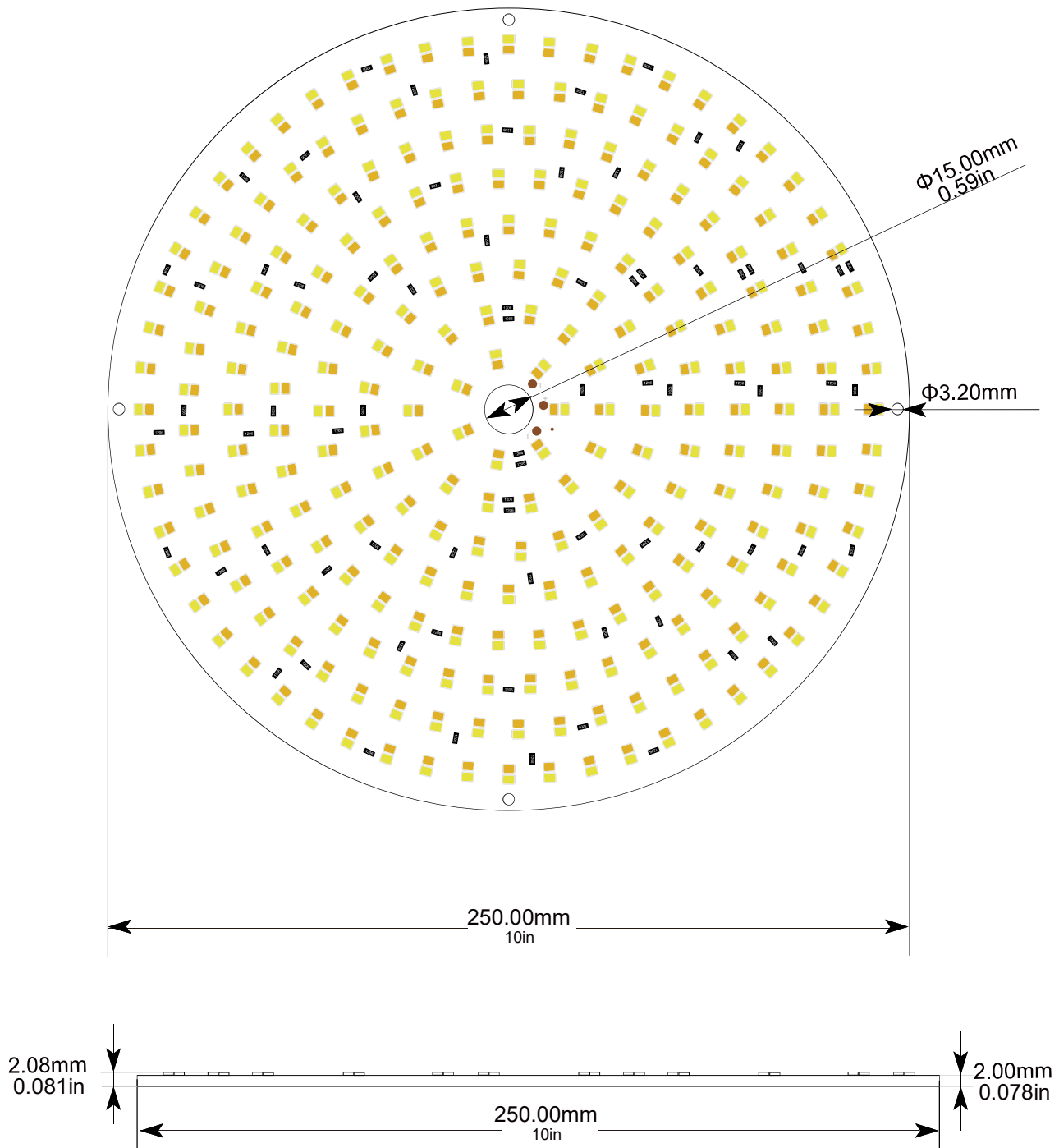


Note:

1. The above value of CRI and TM30 data is based on measurement;
2. Due to the difference of different test equipment, the data above might be difference;
3. Production technology and process keep improving, parameter might improving without notice.



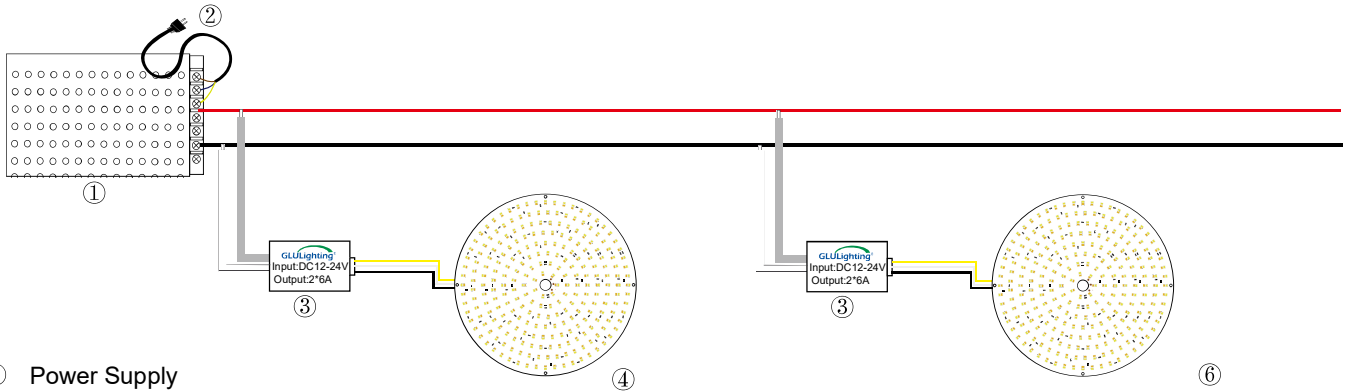
Dimension



Note: 1. All unite is mm/inch;
2. All dimension with a standard tolerance;

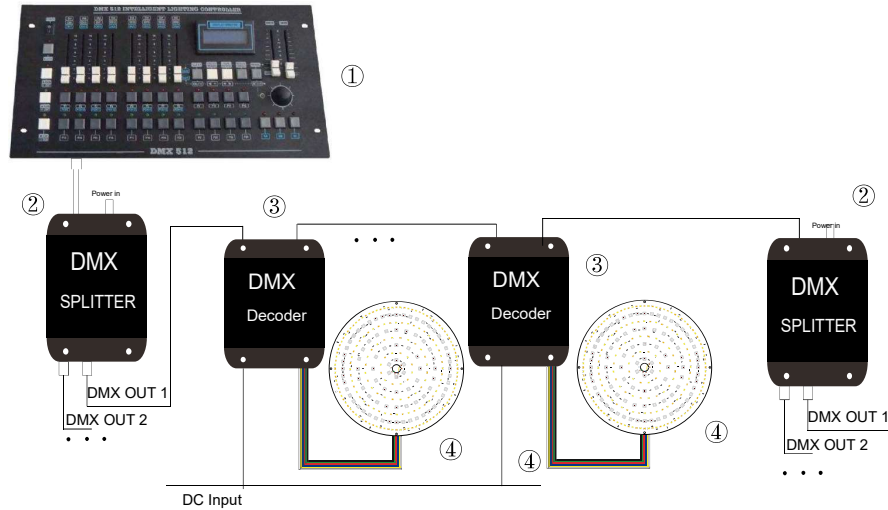
Connection Diagram

Normal 5 channels controller



- ① Power Supply
- ② Power cord, for AC input
- ③ ⑤ RGBCW Controller, can achieve wireless sync-controlled
- ④ ⑥ RGBBI round rigid panel, connected to led controller with corresponding cables, black cable as + pole

DMX

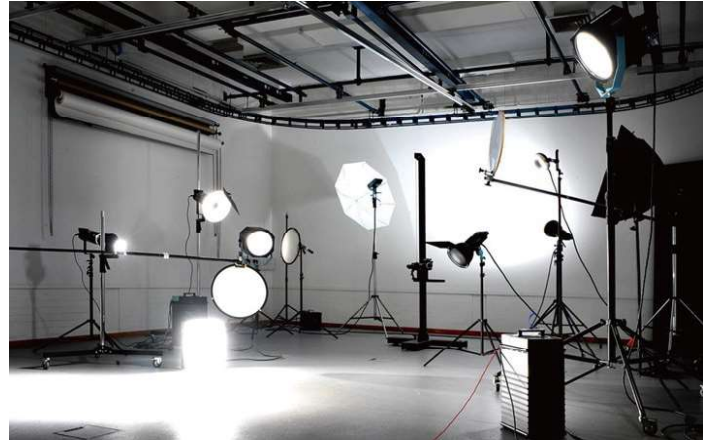


- ① DMX console
- ② DMX Splitter
- ③ DMX Decoder
- ④ LED panel

- Notes:
1. The panel must be installed in a ventilated place with good heat dissipation;
 2. Please do choose suitable power supply, power of power supply 20% higher than strip loaded is recommend;
 3. Parallel connection is highly recommended.

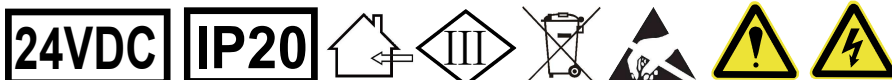
Applications

For a High CRI95+ Hybrid round panels, which are designed to be used for film, television, and wherever a desire for high quality lighting is required. With richable color available and they are fantastic in tight spaces and for shooting on location. Extremely vrsatile, light-wight, color-correct, and economical make these RGB+Bi color flexible LED panels a hit with cinematographers and DOPs alike. Thus for the whole strips series are suitable and widely usde for film, TV, studio, photographic studio, news studio, livinge shows, commercial shooting etc, and also can be a good choice for making a high quality LED film lighting use.



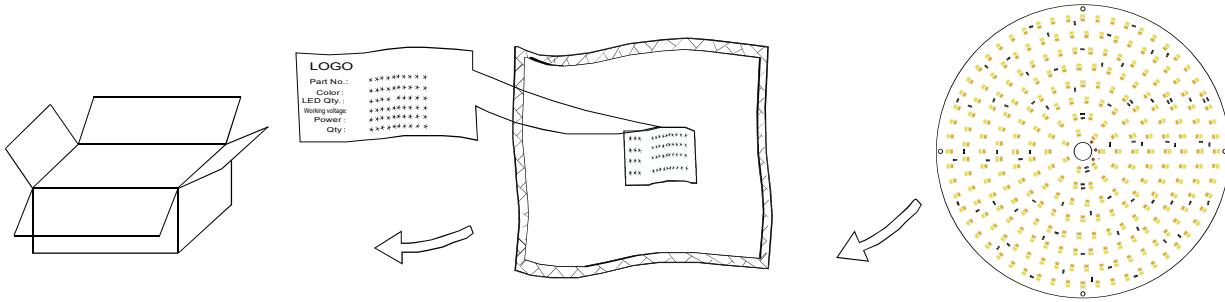
Safety Information

- The SMD light panel itself and all its components may not be mechanically stressed. Installation must not damage or destroy conducting paths on the circuit board.
- Installation of LED light panel (with power supplies) needs to be comply with all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations. Correct electrical polarity needs to be observed. Wrong polarity may destroy the panel.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the panel.
- Please ensure that the power supply is of adequate power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical insulated points between panel and the mounting surface.
- Please pay attention to standard ESD precautions when installing the ribbon.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as acidity, alkaline and other harmful elements.
- The panel must installed in a place with good heat dissipation condition. **An aluminum heat sink is strong recommended.** Do never installed the strip impending or or inflammables.
- The strip can be only long time using when unrolled, **do never long time using or light on the panel when it rolled-up or overlapped.**





Packing Information



Carton box with 40pcs

Anti-static foil bag

Rigid LED panel

Contact Information

If any problem while using our strip, or interesting for more products, please do not hesitate to contact our sales as below:

Company Name: Shenzhen GLU Lighting Co., Ltd.

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P.R.China 518108

Tel:+86-755-23708101/23708102


Fax:+86-755-29236521


E-mail: sales@glu-light.com

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