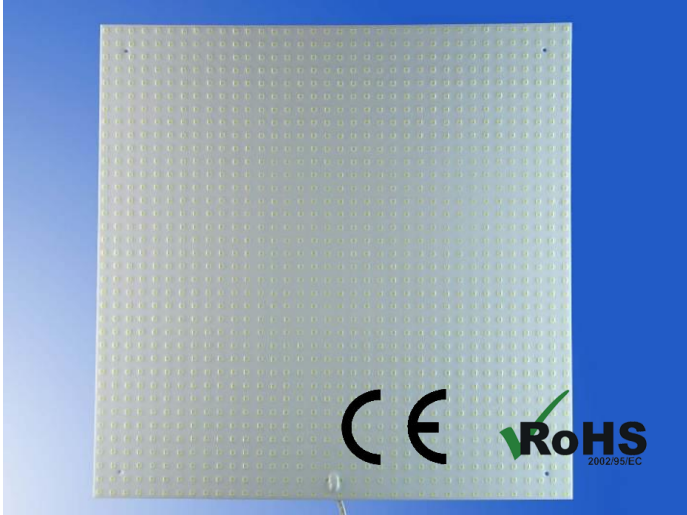


Description: RX-ALF5050 waterproof LED aluminum panel, Patent No.:ZL200820131053, ZL200820132702. With top SMD5050, unique waterproof design, the world's first, holds several patents, has a slim, low temperature rise, waterproof, safe, reliable, long life; strength over 50,000 hours aging test; Around the world, more than 5 years practical application, to good effect. Used in place of large-scale projects, shopping malls, railway stations, airport, high-brightness lighting, a variety of sizes optional, you can also customize the size and Outer shape, do your own energy-saving lighting project.



Waterproof

IP67

>20000 hours test

>2yeas(800days)

Life-Span >50000hours

A variety sizes

Max 600x600mm

Max custom size 0.5m²

Option LED Spacing

16.66, 25, 33.33mm

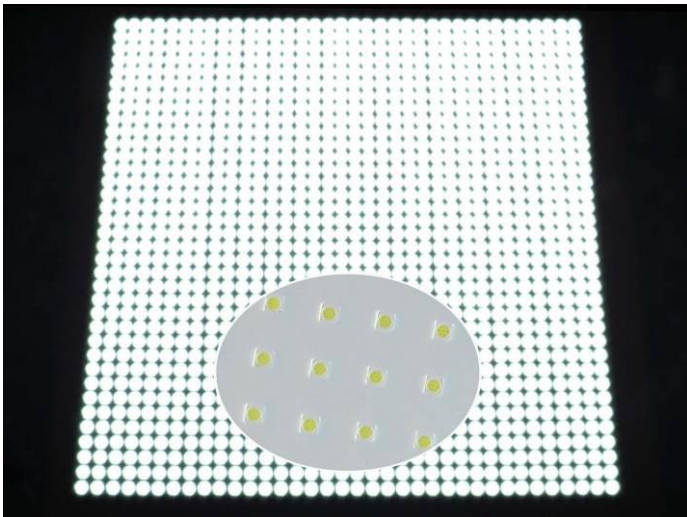
Ultra-thin

3mm

Luminous efficiency

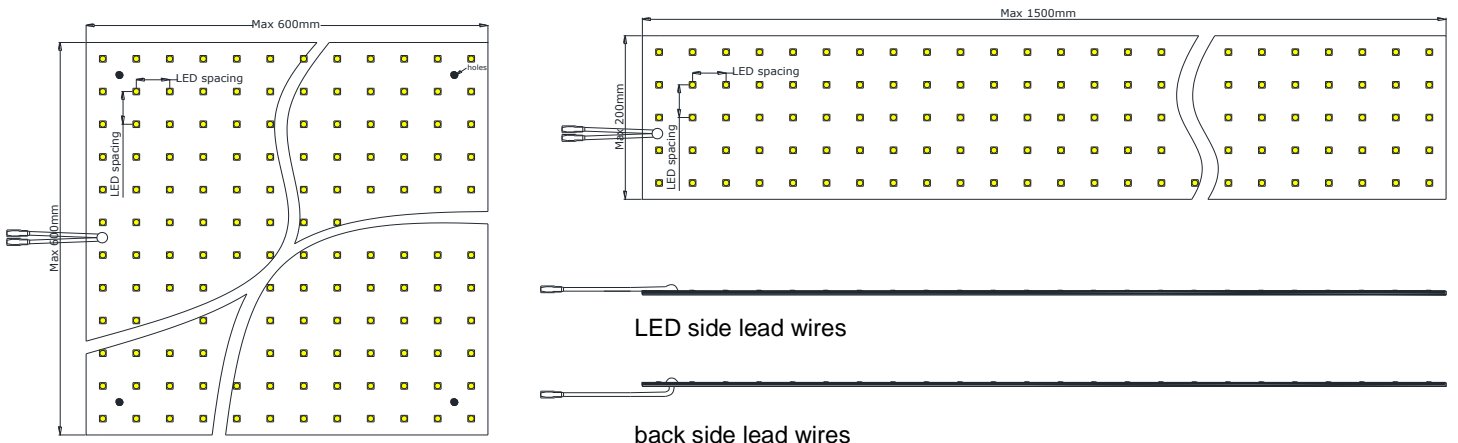
100Lm/W DC12V

LED chip >130Lm/W



Application specs	
Brightness	20Lm / LED
Default Colors	CW6000~6500K
Other colors	WW2700~3200K NW4200~4700K
CRI	> 75
Application Environment	Dry & Damp Locations
Operating Temperature	-22°F~104°F (-30~40°C)
Electrical specs	
Power	0.2W / LED
Input	DC 12V
Warranty	3 years
Certification	CE RoHS FCC

Schematic diagram



*One LED a group

Our can customize the size you need, the maximum area of 0.5m²; You need to shape, you need to power up to 200W / 600x600mm.

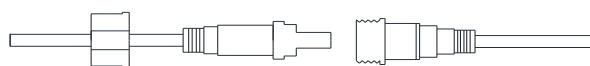
Data sheet

MODEL	Dimension LED QTY	Lumen	Power DC12V	Life-Span	LED spacing Brightness/ m ²	Comment
RX-ALF5050-33-3030	300x300mm 81LED	1500Lm	15W	>50000hours	33.33mm Min. Cabinet Depth* 48mm 160W / m ² 16100Lm / m ²	Temperature rise + 10 °C Operating Temperature (-30~50°C) high brightness 60% energy saving compared with fluorescent
RX-ALF5050-33-3060	300x600mm 162LED	3000Lm	30W	>50000hours		
RX-ALF5050-33-6060	600x600mm 324LED	5800Lm	58W	>50000hours		
RX-ALF5050-33-RGB-3030	300x300mm 81LED	405Lm	Max15W	>50000hours		Lighting-source light boxes backlight.
RX-ALF5050-25-1030	100x300mm 48LED	960Lm	9.6W	>40000hours	25mm Min. Cabinet Depth* 36mm 277W / m ² 27700Lm / m ²	Temperature rise + 25 °C Operating Temperature (-30~50°C) Super high brightness
RX-ALF5050-25-1060	100x600mm 96LED	1800Lm	18W	>40000hours		
RX-ALF5050-25-2050	200x500mm 160LED	2800Lm	28W	>40000hours		
RX-ALF5050-25-20100	200x1000mm 320LED	5600Lm	56W	>40000hours		
RX-ALF5050-25-3030	300x300mm 144LED	2500Lm	25W	>40000hours		Lighting-source light boxes backlight
RX-ALF5050-25-3060	300x600mm 288LED	5000Lm	50W	>40000hours		Replace H type fluorescent
RX-ALF5050-25-6060	600x600mm 576LED	10000Lm	100W	>40000hours		60% energy saving compared with fluorescent
RX-ALF5050-16-660	60x600mm 3x36=108LED	2000Lm	20W	>36000hours		16mm Min. Cabinet Depth* 25mm 555W / m ² 55550Lm / m ²
RX-ALF5050-16-3030	300x300mm 324LED	5800Lm	58W	>36000hours		
RX-ALF5050-16-2050	200x500mm 360LED	6500Lm	65W	>36000hours		
RX-ALF5050-16-6060	600x600mm 1296LED	20000Lm	200W	>36000hours	Lighting-source light boxes backlight	

The above table data testing at room temperature is 25 °C, test voltage DC12V; LED color temperature 6000-6500K, CRI > 75

*Minimum distance required from panel to face. Calculated with 2447 milky white acrylic with no graphics, Depth on faces with graphics can have thinner cabinet depths, Consult with XineLam for samples and depth demonstrations. Special sizes, Consult with XineLam Reps and Distributors

Optional plug wire



Waterproof plug cable

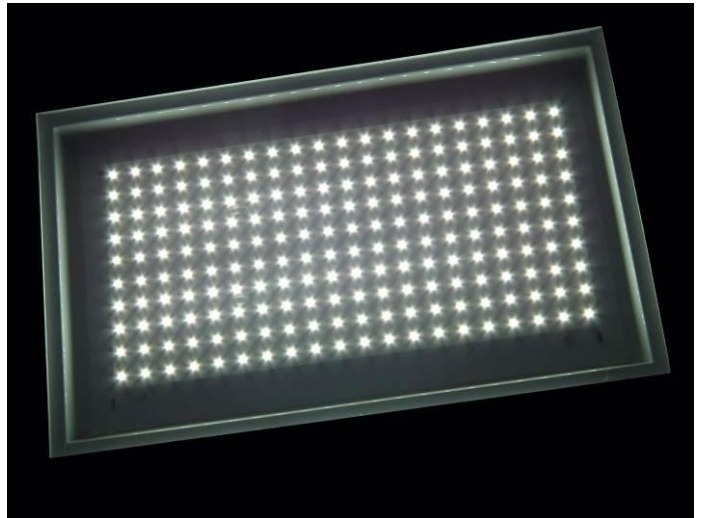


5.5x2.1mm DC plug cable

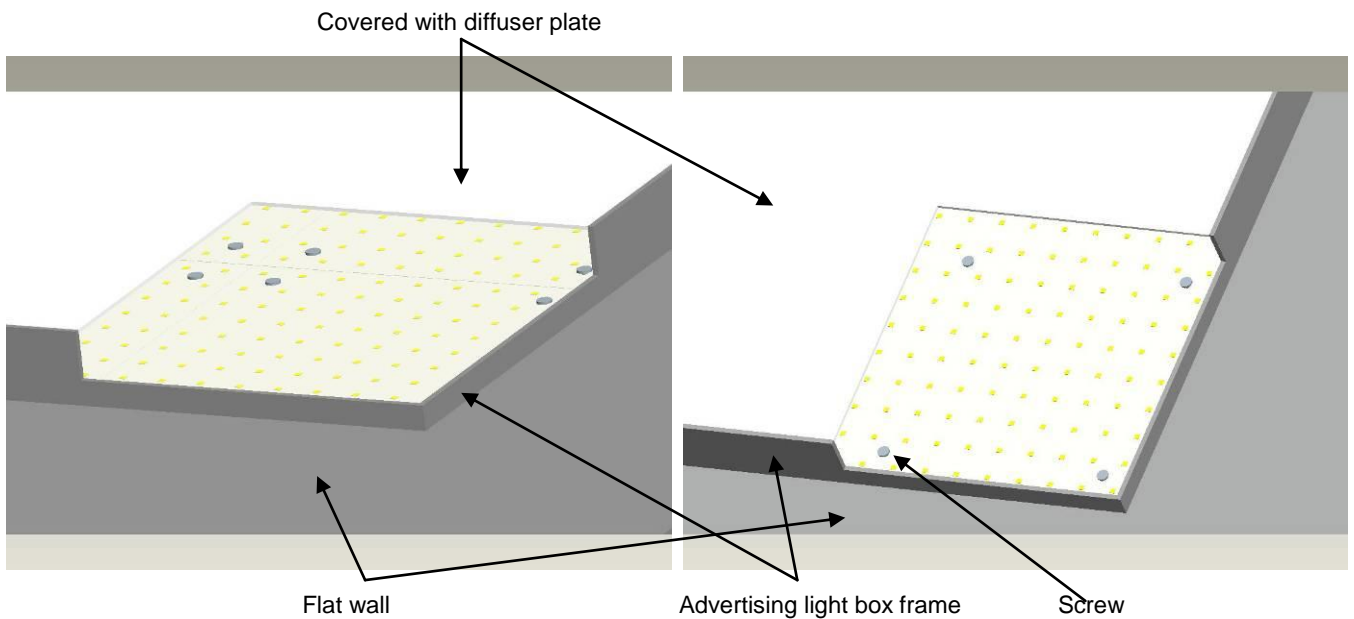


Large current terminal wires Max 20A

Replace fluorescent tubes

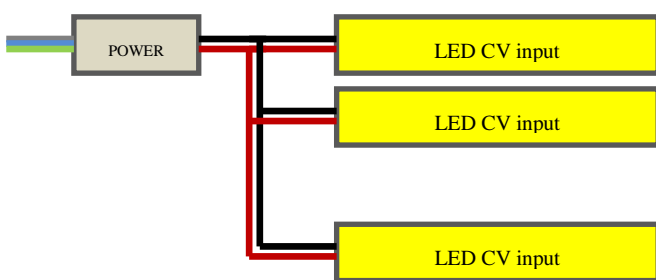


Advertising light boxes backlight installation diagram

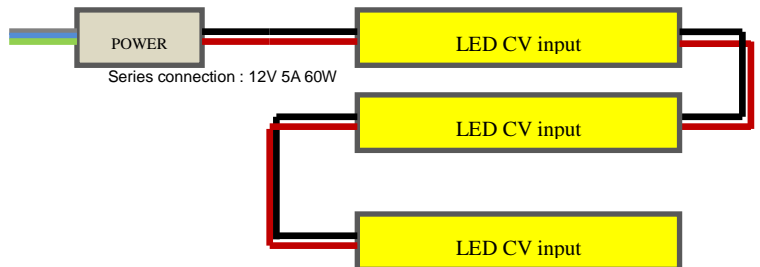


Note: Our only produce LED aluminum panel, the picture above for reference purposes only!

Wiring diagram



Parallel connection (recommended)

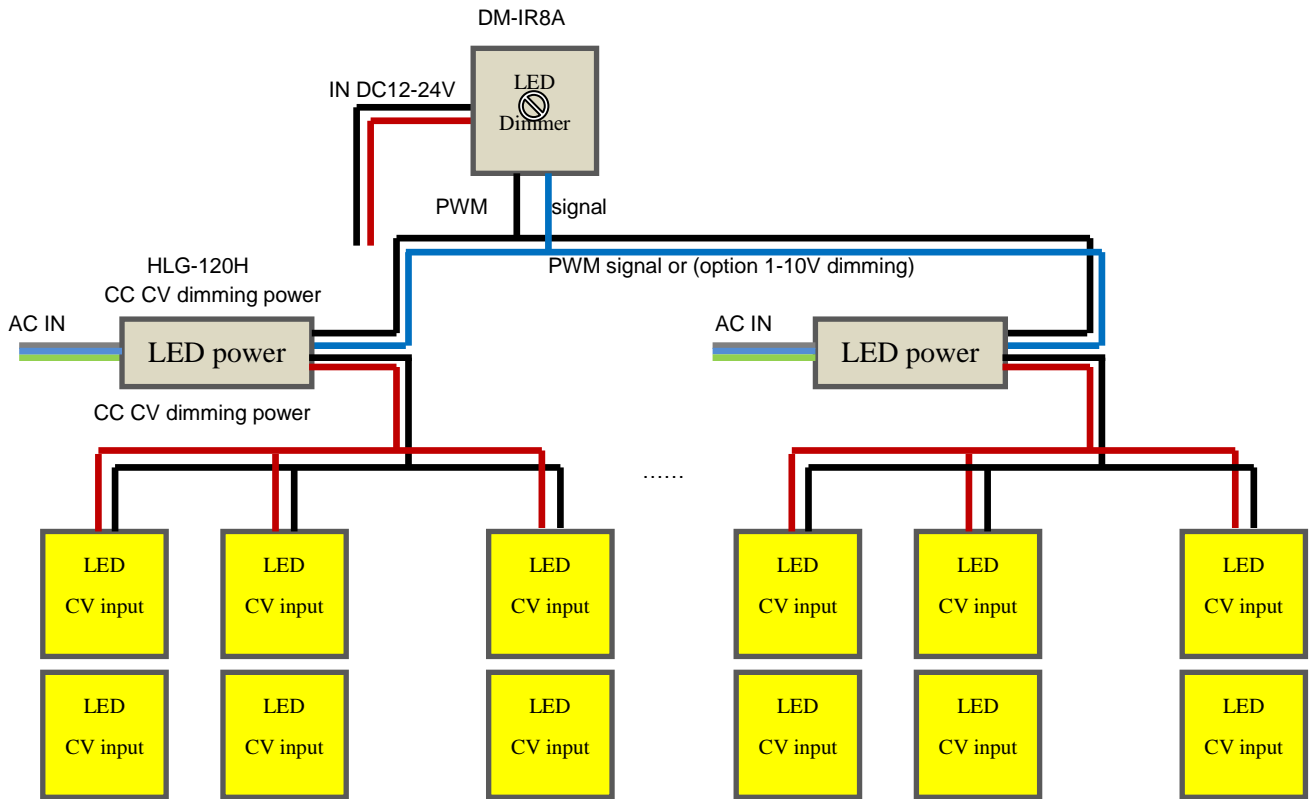


Series connection Max: 5A

Recommended Dimming system

Dimming power + PWM signal (Option1-10V)

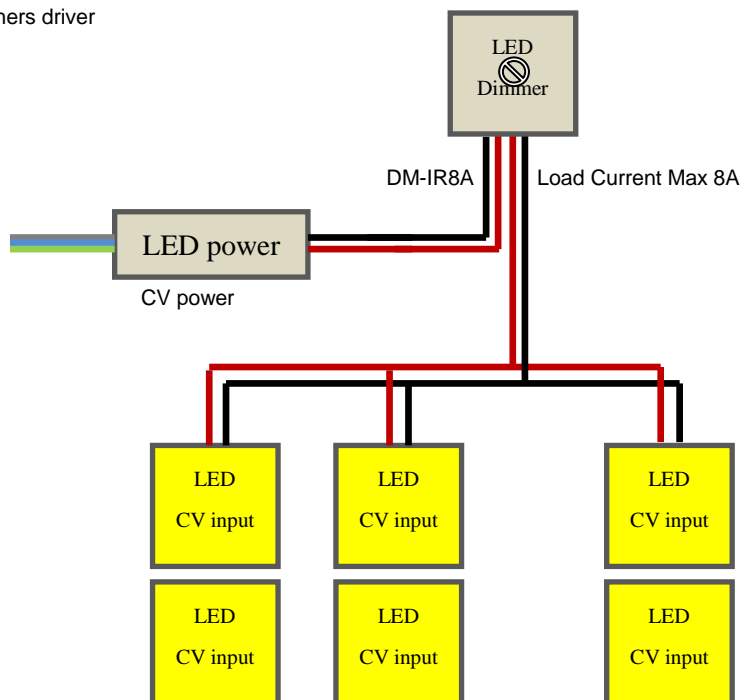
HLG-120H-**B + DM-IR8A



A large area of simple synchronous dimming system - No PWM flicker
Constant voltage constant current power supply - 100% load power

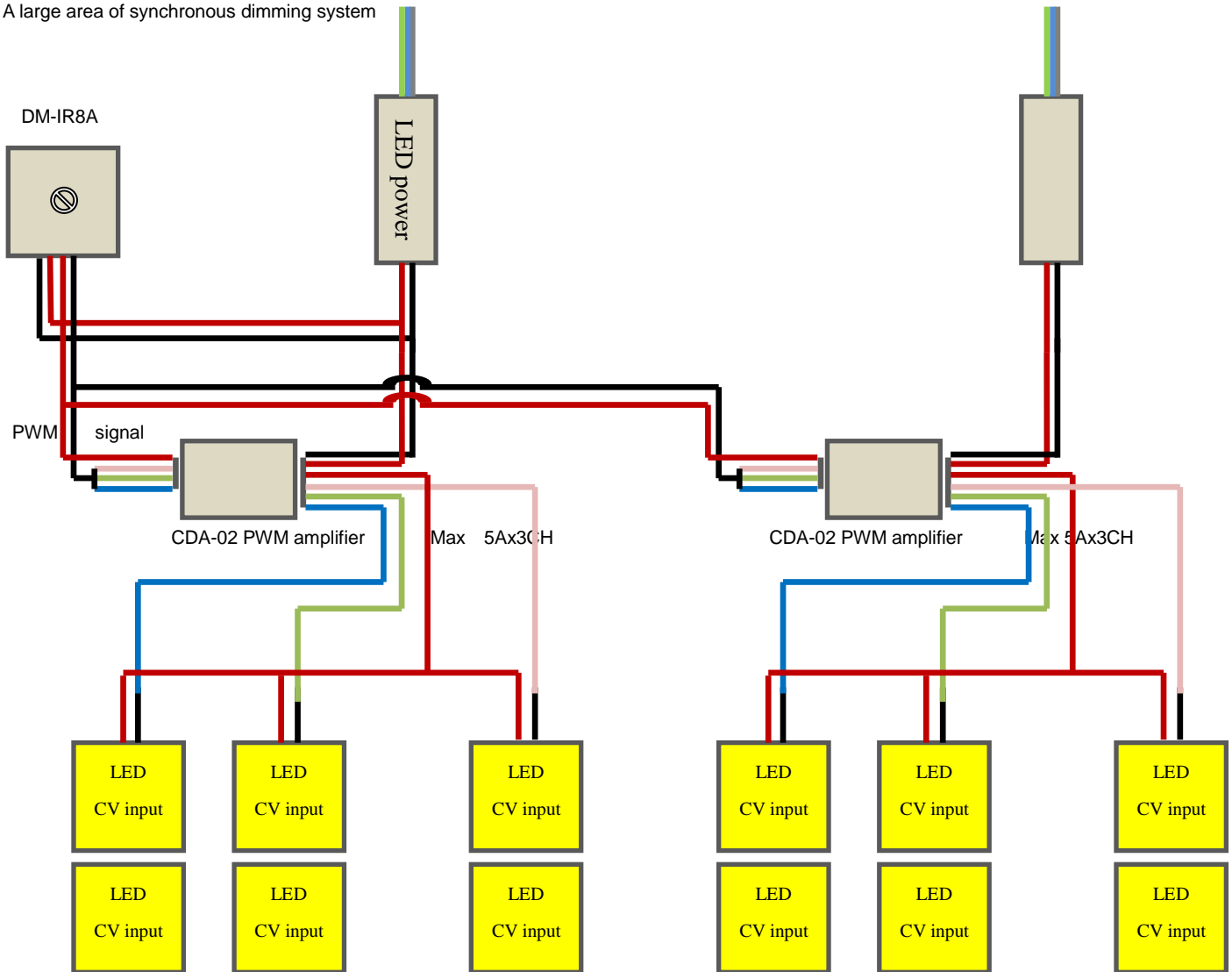
Other Dimming system

CV power + PWM dimmers driver



Calculations are based on 80% max load on Constant voltage power supply

A large area of synchronous dimming system



DM-IR8A PWM dimmers, including infra-red remote control.

CAUTION: This product is installed by a professional engineering staff.

Safety Information

1. The LED panel itself and all its components may not be mechanically stressed.
2. Assembly must not damage or destroy conducting paths on the circuit board.
3. Installation of LED lamp (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
4. Correct electrical polarity needs to be observed. Wrong polarity may destroy the LED panel.
5. Parallel connection is highly recommended as safe electrical operation mode.
6. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the LED panel.
7. Please ensure that the power supply of adapters power to operate the total load.
8. When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
9. Pay attention to standard ESD precautions when installing the LED panel.
10. 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 moisture and condensation and other harmful elements.
11. Waterproof LED panel , please note waterproof wiring department
12. LED panel can't be used as support, you need fixed in the frame, fixed to the wall, otherwise, may cause deformation.