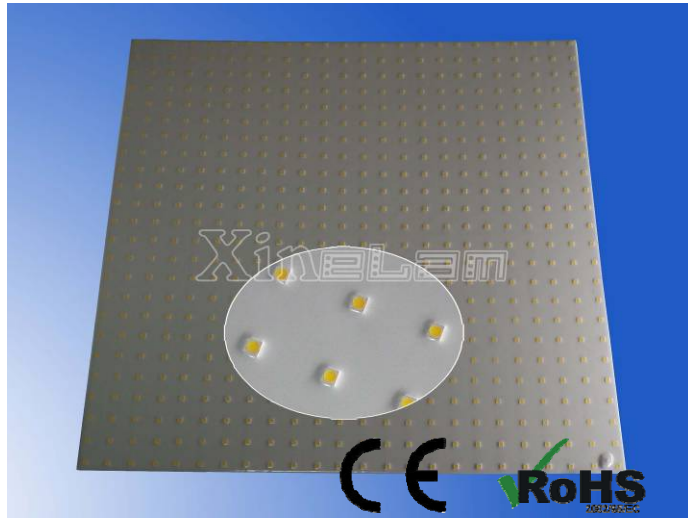


Description: RX -ALF5050-25 waterproof LED panel lamps, high brightness top SMD LED, is the world's most efficient LED panel (9.6V luminous efficiency more than 110Lm / W), has a slim, low temperature rise, waterproof, longlife characteristics. Used in place of large-scale projects, shopping malls, railway stations, airport, high-brightness lighting, also applies to advertising backlit light boxes, a variety of sizes optional, you can also customize the size, do your own energy-saving lighting project.



Features:

- 1.True high-efficiency, 65% energy saving
- 2.No mercury, No radiation, no stroboscopic light
- 3.Waterproof design, waterproof grade IP67
- 4.Instant start-up, Can frequently closed to open
- 5.Full aluminum heat dissipation, low temperature rise, the strict high and low temperature experiments, higher reliability
- 6.Long life: 40000hours. Warranty: 3 years
- 7.China Patent No.: ZL200820131053, ZL200820132702

Scope of application:

Indoor and outdoor high brightness illumination source
Indoor and outdoor advertising light boxes backlight
Ideal for commercial lighting design light source



Electronical Specifications:

Input: DC 9.6V or 12V

Power: the table below

Viewing angle: 120° luminous efficiency: $\geq 110\text{Lm / W}$

Color rendering index: Ra 70/80

Available colors: white6000-6500K,

Neutral whit4200-4700K; warm white3000-3500K

Mechanical Specifications:

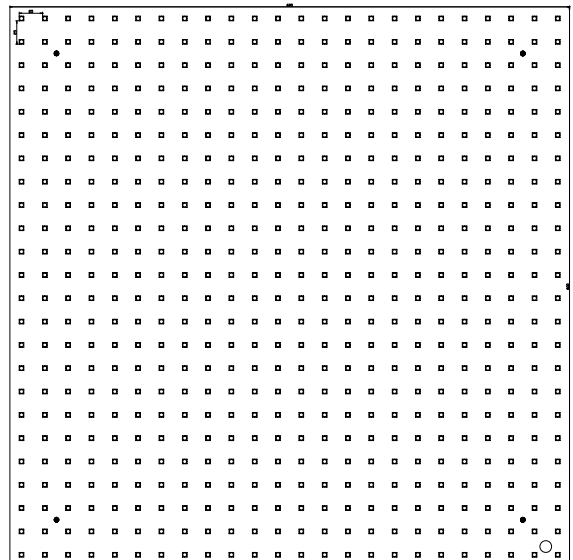
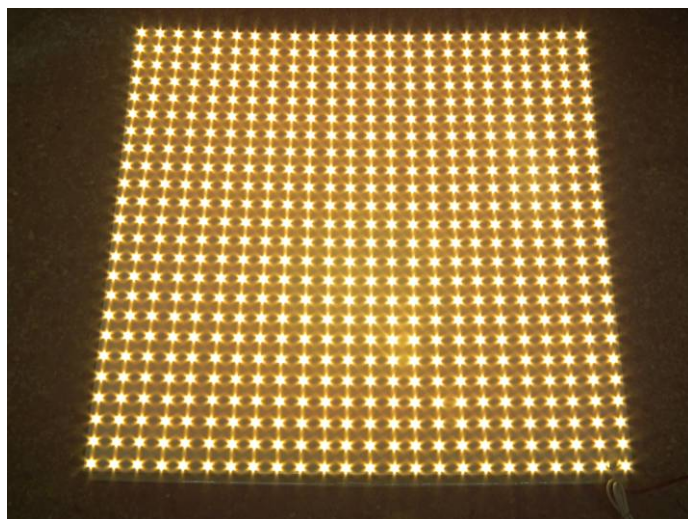
Dimensions: see table below

LED Panel Weight: 2KG / 60x60cm, 0.5KG/30x30cm

LED panel thickness: 3.5mm

Temperature: $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$

Maximum temperature rise of the LED panel: $\leq 20^{\circ}\text{C}$



Model data table:

MODEL	Panel SizeLxWxH mm Power	Luminous flux <u>Lm</u>	Illuminance <u>Lux</u>				Drive power rules	Recommended LED drive power
			Depth 6cm	Spacing 1M	Spacing 2M	Spacing 3M		
RX-ALF5050-25-9.6V High luminous efficiency 110Lm / W Must use a constant current power supply (You can also use the DC DC converter)	300x300x3.5 144LED 25W	2750Lm	16000	780	216		constant current power supply 1 drive power to 1 panel	Mean Well ELN-30
	300x600x3.5 288LED 48W	5500Lm	18000	1400	430			Mean Well ELN-60
	600x600x3.5 576LED 90W	10000Lm	20000	2600	880	412		Mean Well CLG-150
RX-ALF5050-25-12V High reliability, after many years of practical application, the test of a long time A drive power supply can drive multiple LED panel	300x300x3.5 144LED 25W	2260Lm	14000	700	190		Ordinary constant voltage power supply; set aside 20% margin!	
	300x600x3.5 288LED 50W	4500Lm	16000	1300	380			
	600x600x3.5 576LED 100W	9200Lm	20000	2300	780	380		

LED panel to select the proposal:

If an a power supply drive a LED panel, please use the 9.6V products. Higher optical efficiency.

If you need a power supply to drive multiple LED panel, please use the 12V products, easy to install extensions; years of practical application, safe and reliable!

Associated with fluorescent tubes data sheets:

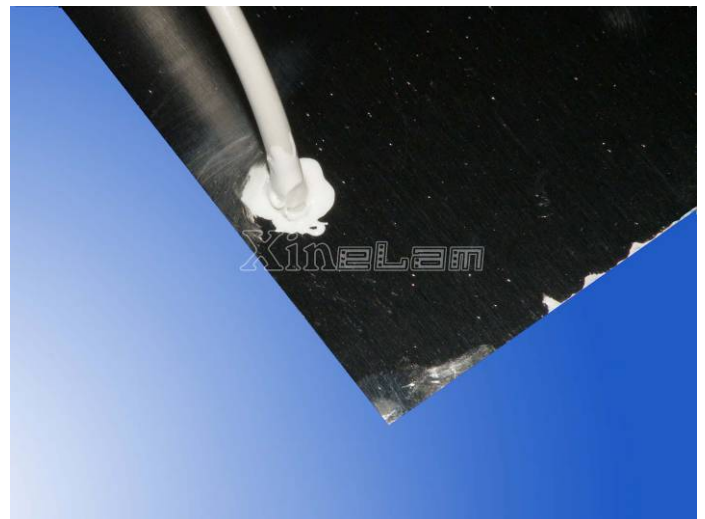
MODEL	Dimensions	Luminous flux <u>Lm</u>	Illuminance Lux(Centre distance)				Power	Input
			Spacing6cm	Spacing1m	Spacing2cm	3M		
Philips Grill 3x18W With shade	60X60cm		3650	445	165	69	64W	220V AC
Philips Grill 3x18W Without shade	60X60cm		3300/10cm	430	128	60	64w	220VAC

Drill holes and input wire



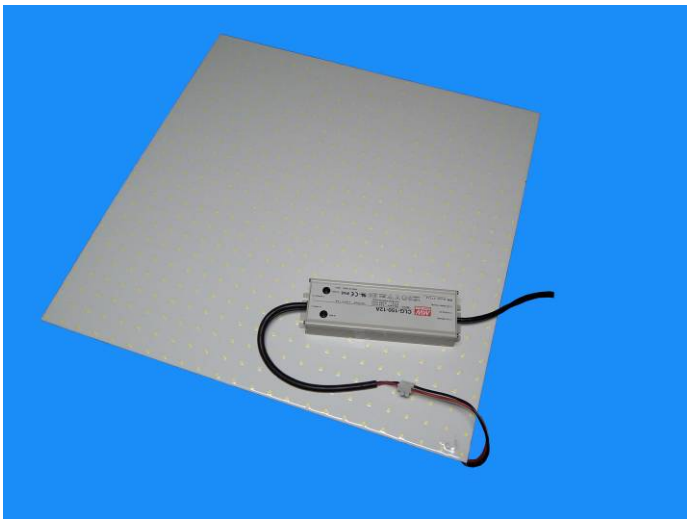
With holes the back lead wires

With out holes obverse lead wires(Front side)

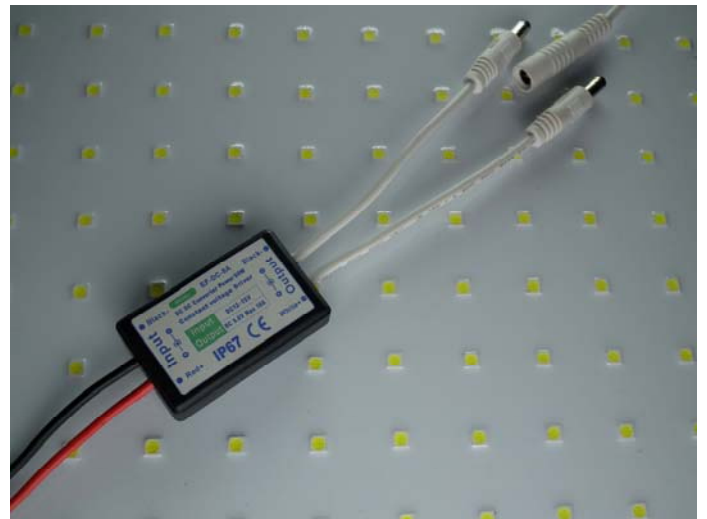


LED panel on the back - full aluminum cooling

LED panel related images:



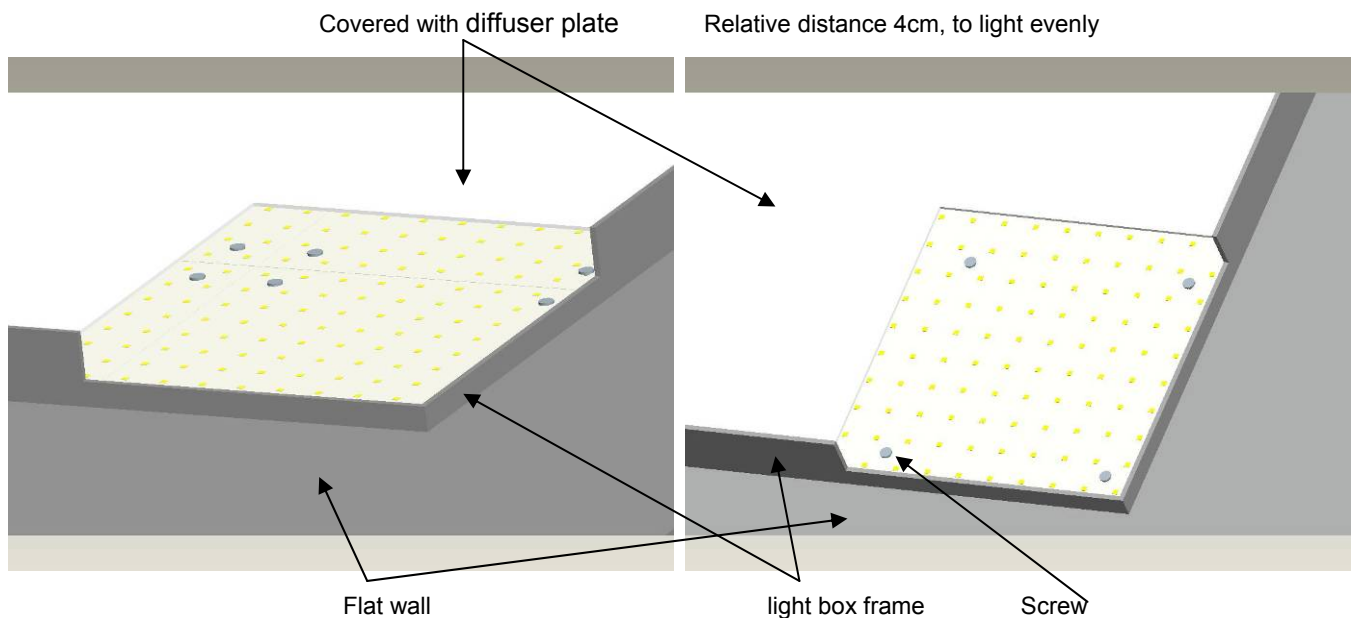
CLG-150 drive power and 600x600mm LED panel
Mean Well CLG-150 is a constant voltage constant current LED driver power supply
Adjustable brightness of the LED panel
600x600mm LED panel maximum limiting 10.5A
brightness 11000Lm



DC DC Converter EF-DC-8A drive LED panel

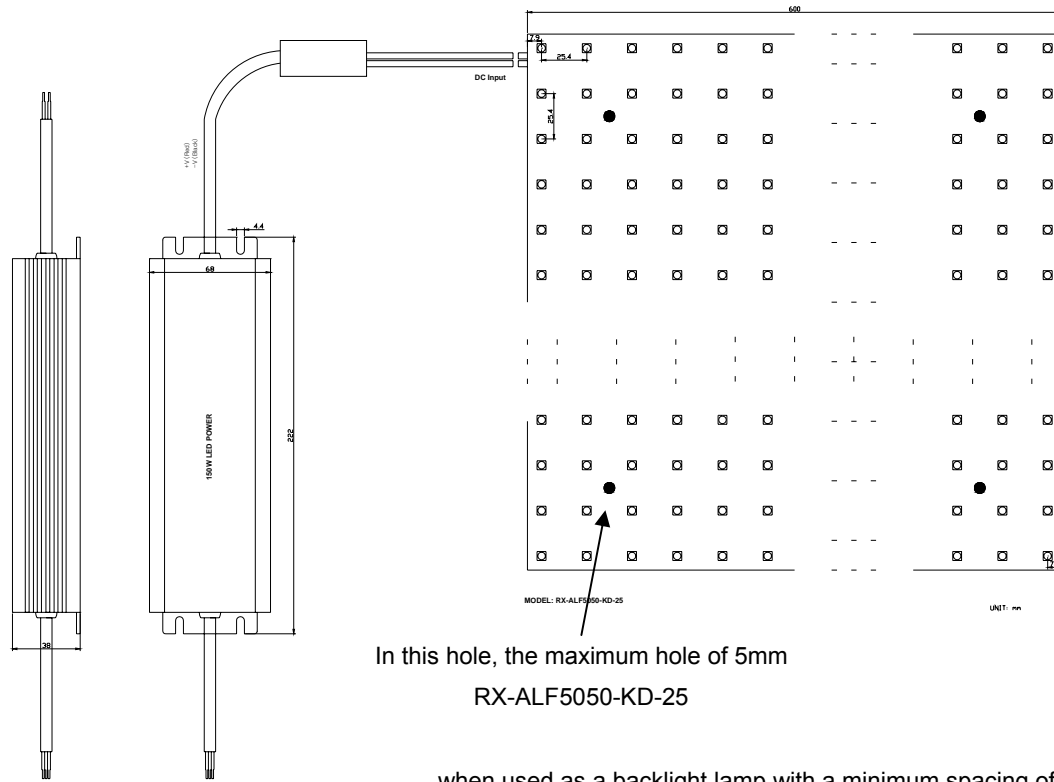
The rated current is 8A
If you need to drive 600x600mm LED panel; please contact our engineers.

Installation diagram:



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

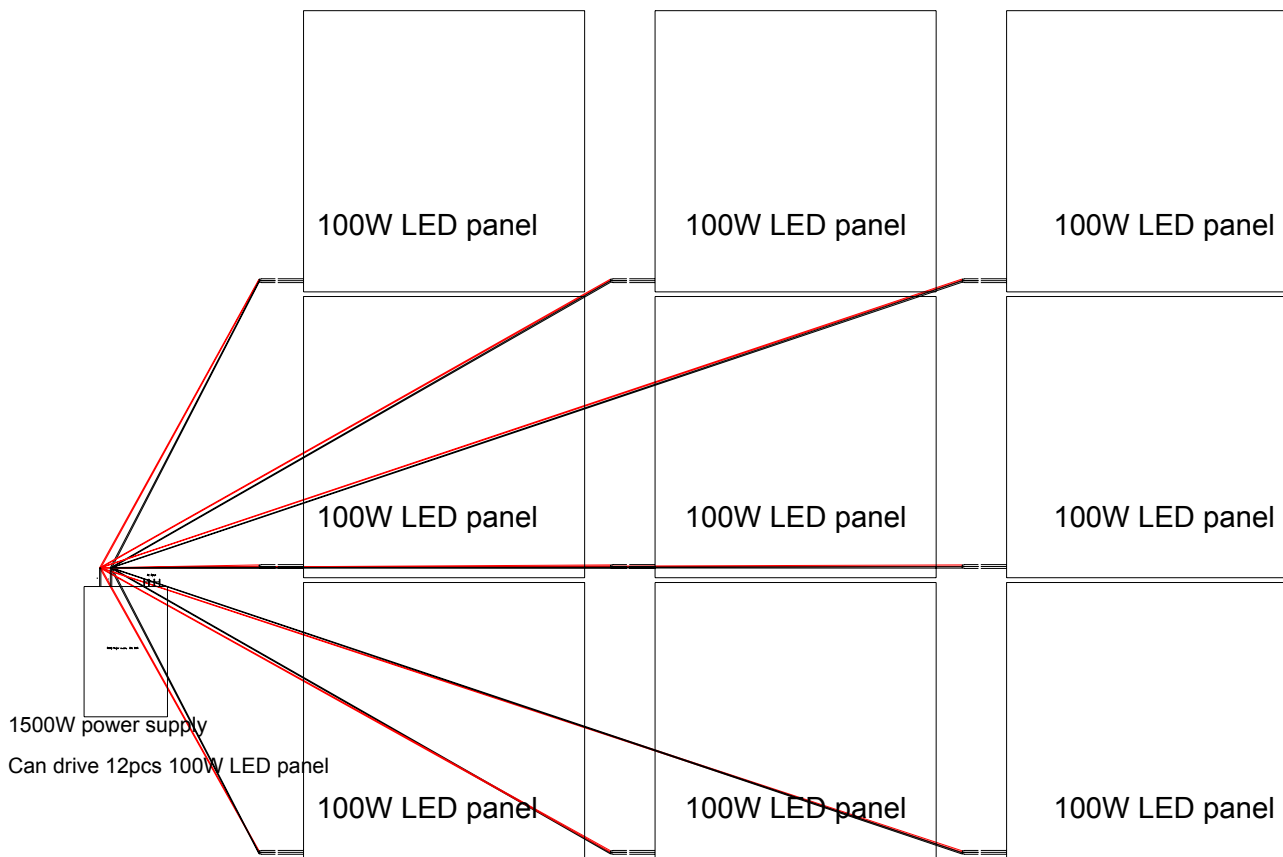
LED panel wiring diagram



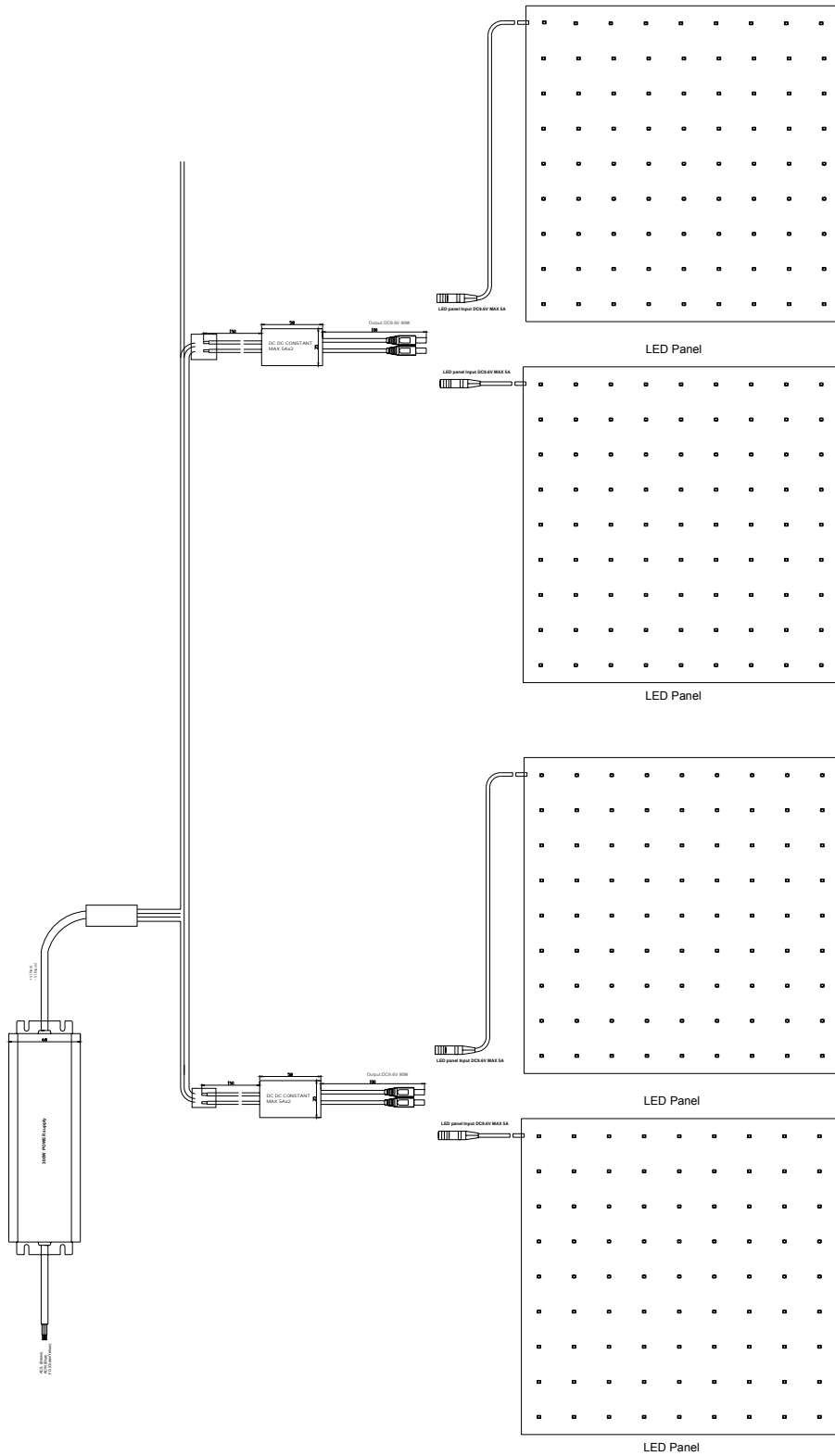
AC100-240V

12V the LED panel

A power to drive multiple LED panel



9.6V the LED panel EF-DC-8A wiring diagram



Power supply

LED Power, higher than the power consumption of the LED panel 25%;

The proposed procurement to match good power supply and DC DC converter

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 not be used as support, you need fixed in the frame, fixed to the wall, otherwise, may cause deformation.**