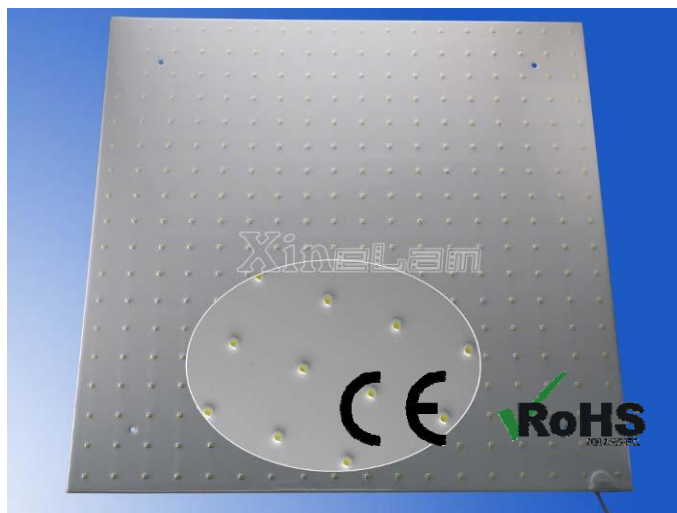


Description: RX-ALF**9.6V waterproof LED panel, Exact match top LED lighting system. It's the world's most efficient LED panels (more than 110Lm / W). Have a thin, low temperature rise, waterproof, long life and so on. We dedicated to the advertising light boxes. It can completely replace the fluorescent tubes, energy-saving 65%. Compared to the general LED panel, it safe 30% higher luminous efficiency. Also applies to offices, shopping malls, railway stations, airport lighting, decorative lighting, home aquarium, etc., do your own energy-saving lighting project.



Features:

1. the world's highest luminous efficiency of the LED panel, the luminous efficiency more than 110LM / W
2. matching DC,DC converter can achieve 12 ~ 24V wide voltage input
3. waterproof design, waterproof grade IP67
4. look beautiful, ultra-thin thickness of 3.5mm
5. Full aluminum heat dissipation, low temperature rise, the strict high and low temperature experiments, higher reliability
6. Long life: ≥ 50000hrs. Warranty: 3 years
7. China Patent No.: ZL200820131053, ZL200820132702

Scope of application:

Apply to lighting, advertising signs backlight. Direct replacement of the same size of the ceiling (grid lamp) , Advertising light box.



Electronical Specifications:

Input: DC 9.6V

Power: the table below

Viewing angle: 120 luminous efficiency: ≥ 110Lm / W

Color rendering index: Ra 70 (optional Ra 80)

Available colors: white, warm white

Mechanical Specifications:

Dimensions: see table below

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

LED panel thickness: 3.5mm

Temperature: -20℃ ~ 50℃

Storage Temperature -20℃ ~ 80℃

Standard LED light board lead: 5.5mm DC plug length 20cm

※DC power input - 5.5mm plug wires, but also according to customer requirements; can be customized in various sizes and shapes.

Common types of data tables:

MODEL	Dimensions Power	Luminous flux Lm	Illuminance Lux(Centre distance)				DC, DC converter	AC input drivers
			Spacing6cm	Spacing1m	Spacing2cm	3M		
RX-ALF3528-X66-9.6V LED spacing 41mm	600x600x3.5mm 162LED 10W	1100Lm	1600	210			EE-DC-2A Input DC12~24V	EFV-018
RX-ALF3528-33-9.6V LED spacing 33mm	300x300x3.5mm 81LED 5W	550Lm	3500	155	42			EFV-018
RX-ALF3528-33-9.6V LED spacing 33mm	300x600x3.5mm 162LED 10W	1100Lm	3600	280	75		System light	EFV-018

RX-ALF3528-33-9.6V LED spacing 33mm	600x600x3.5mm 324LED 19W	2160Lm	3680	430	136	65	efficiency 105Lm/W	EFC-020
RX-ALF3528-25-9.6V LED spacing 25mm	300x300x3.5mm 144LED 9W	1000Lm	5300	216	60			EFV-018
RX-ALF3528-25-9.6V LED spacing 25mm	300x600x3.5mm 288LED 18W	2000Lm	5850	380	118			EFC-020
RX-ALF3528-25-9.6V LED spacing 25mm	600x600x3.5mm 576LED 35W	3800Lm	6300	750	230		EF-DC-8A	
RX-ALF3528-16-9.6V LED spacing 16mm	300x300x3.5mm 324LED 20W	2200	12500	480	136	65	EF-DC-2A	EFC-020

MODEL	Dimensions Power	Luminous flux <u>Lm</u>	Illuminance Lux(Centre distance)				DC, DC converter	AC input drivers
			Spacing6cm	Spacing1m	Spacing2cm	3M		
RX-ALF5050-33-9.6V LED spacing 33mm	300x300x3.5 81LED 15W	1650Lm	9000	420	110		EF-DC-2A	EFV-018
RX-ALF5050-33-9.6V LED spacing 33mm	300x600x3.5 162LED 30W	3200Lm	10000	820	220		EF-DC-8A Input DC12~15V	
RX-ALF5050-33-9.6V LED spacing 33mm	600x600x3.5 324LED 58W	6200Lm	10000	1150	390			CLG-150-12
RX-ALF5050-25-9.6V LED spacing 25mm	300x300x3.5 144LED 25W	2750Lm	16000	780	216			
RX-ALF5050-25-9.6V LED spacing 25mm	300x600x3.5 288LED 48W	5300Lm	18000	1400	430		System light efficiency 105Lm/W	
RX-ALF5050-25-9.6V LED spacing 25mm	600x600x3.5 576LED 90W	9800Lm	20000	2600	880			CLG-150-12
RX-ALF5050-16-9.6V LED spacing 16mm	300x300x3.5 324LED 50W	5500Lm						ELN-60-12

Note: The above room temperature to form data test 25 °C, LED color is white (6000-6500K)

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

LED panel related images:

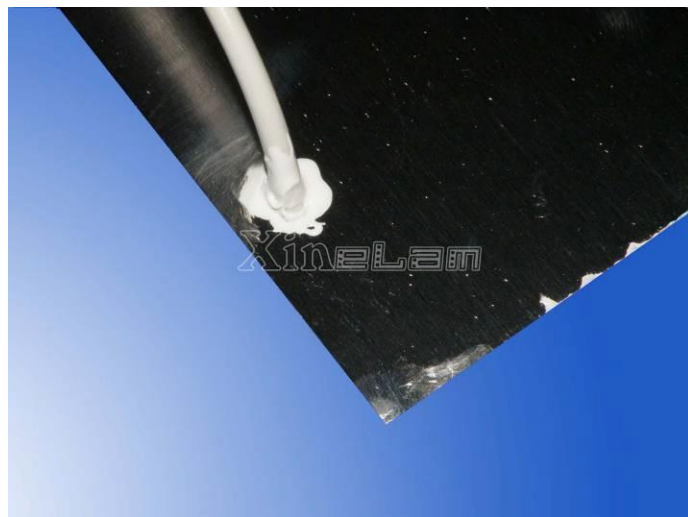


With holes

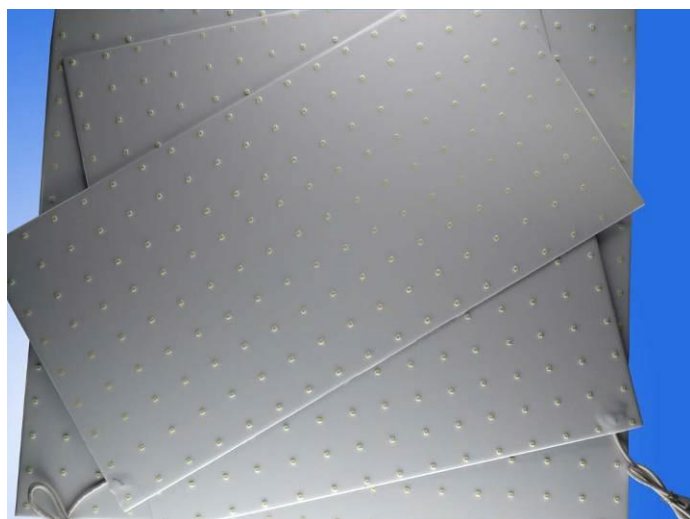
the back lead wires
RX-ALF3528-16

With out holes

obverse lead wires(Front side)
RX-ALF5050-25



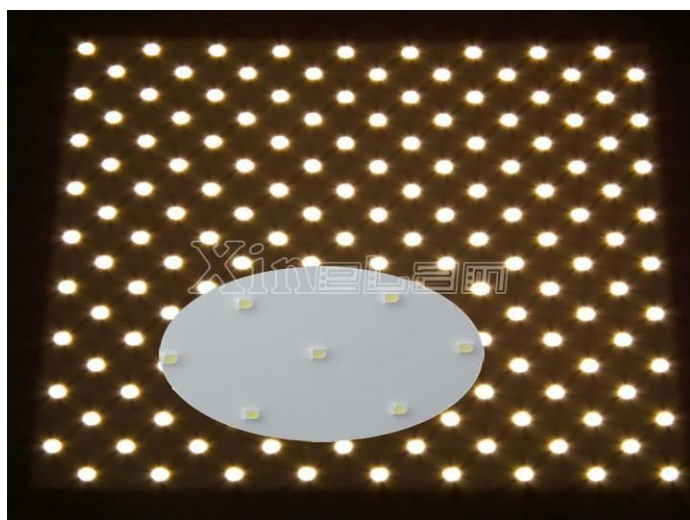
LED panel on the back - full aluminum cooling
back lead wires



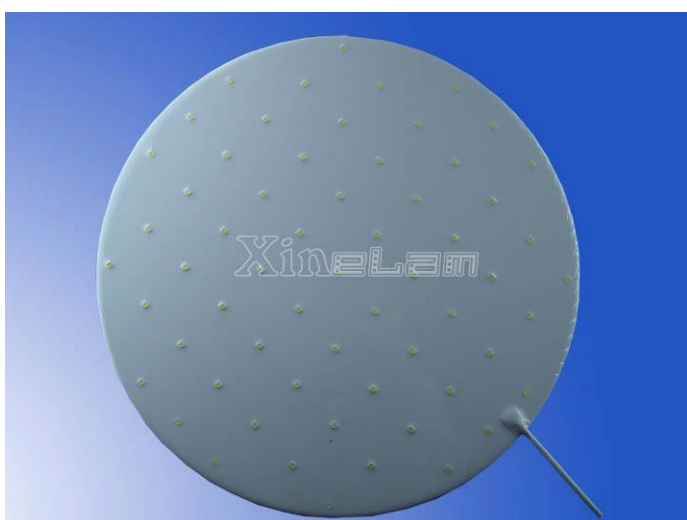
Different sizes of LED panels



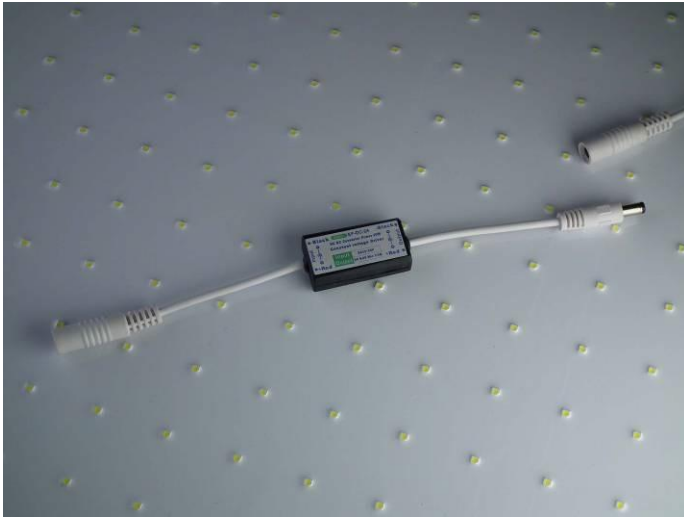
Round corner LED panels



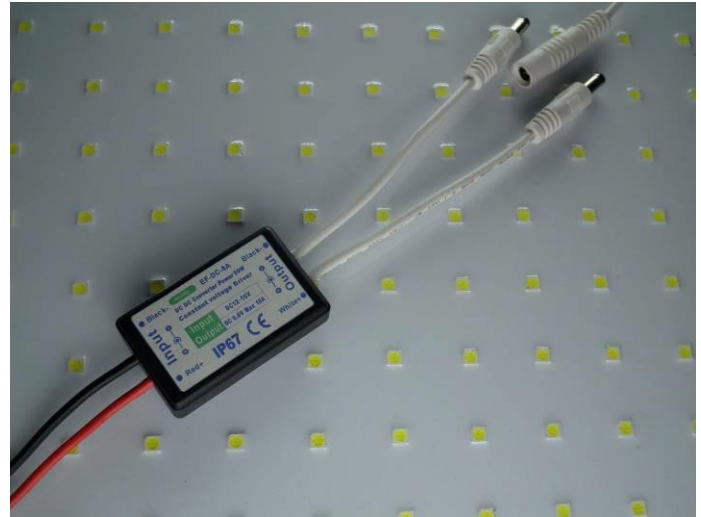
Diamond-shaped arrangement of LED panel



Round LED panels

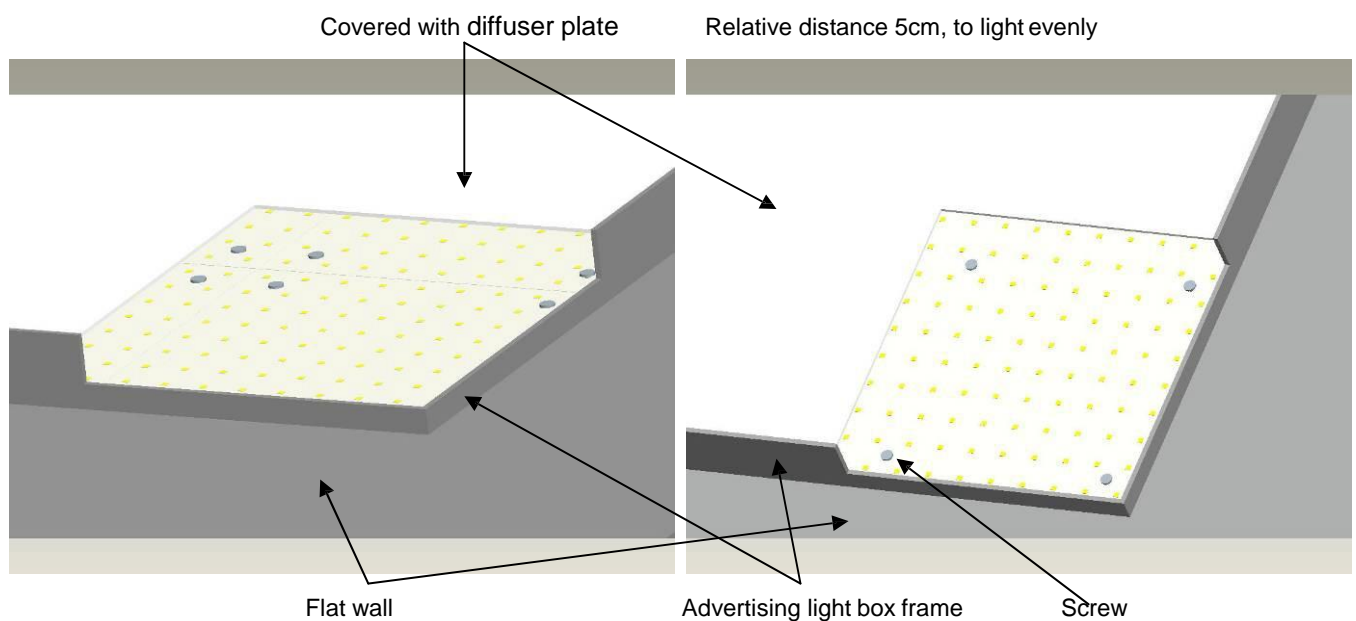


DC,DC converter [EE-DC-2A](#) driver LED panel



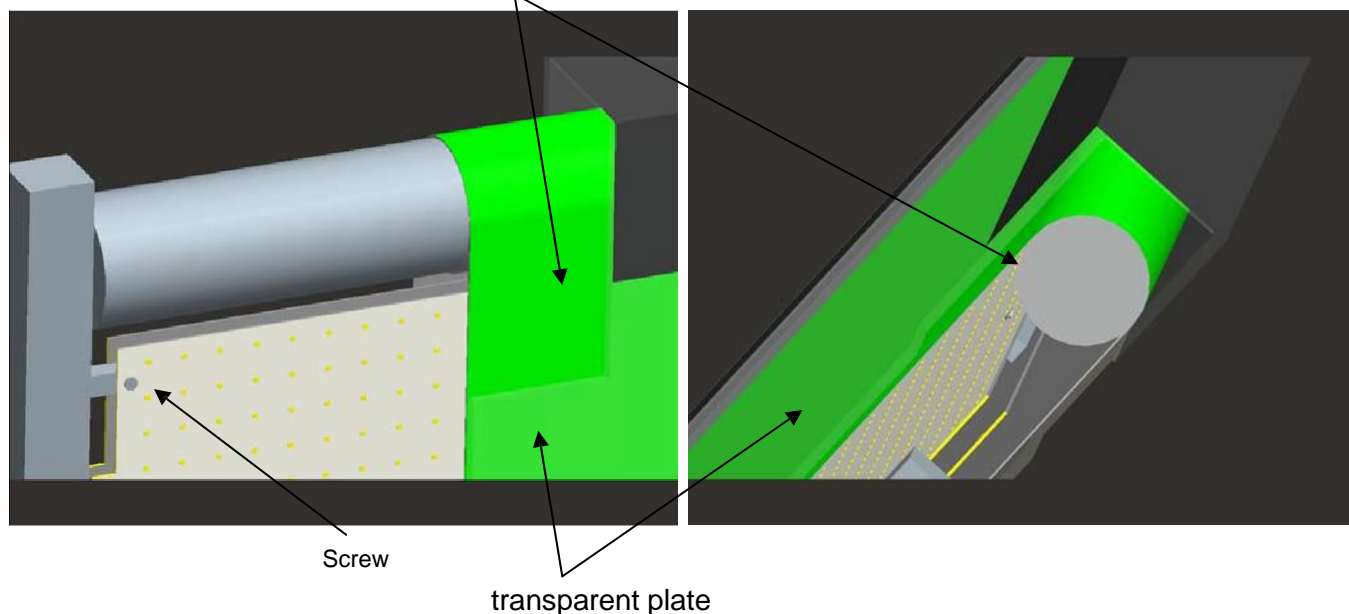
DC,DC converter [EE-DC-8A](#) driver LED panel

Installation diagram:

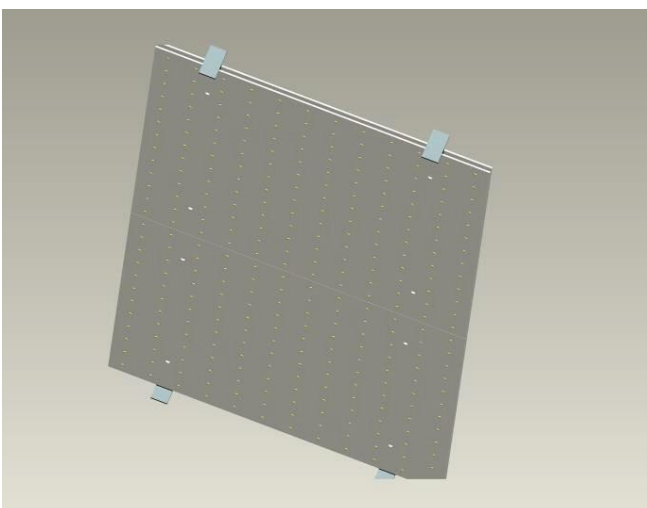
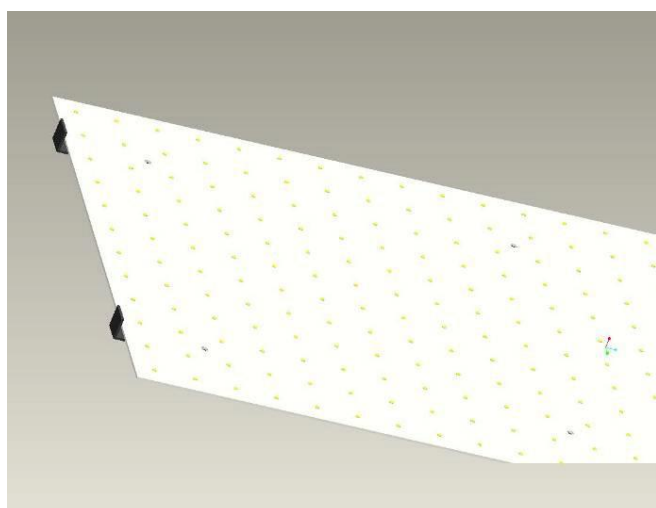
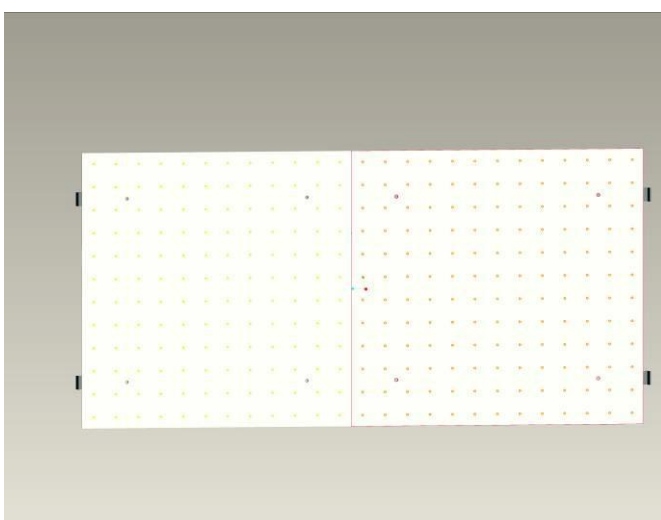
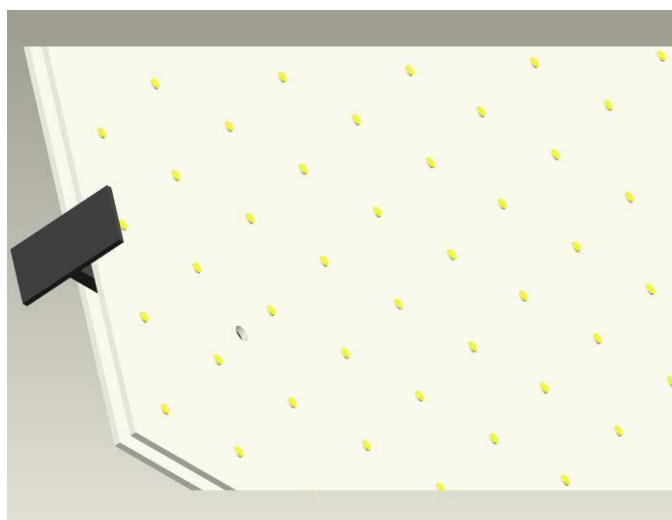


Note: Our only produce LED aluminum panel, the picture above for reference purposes only!

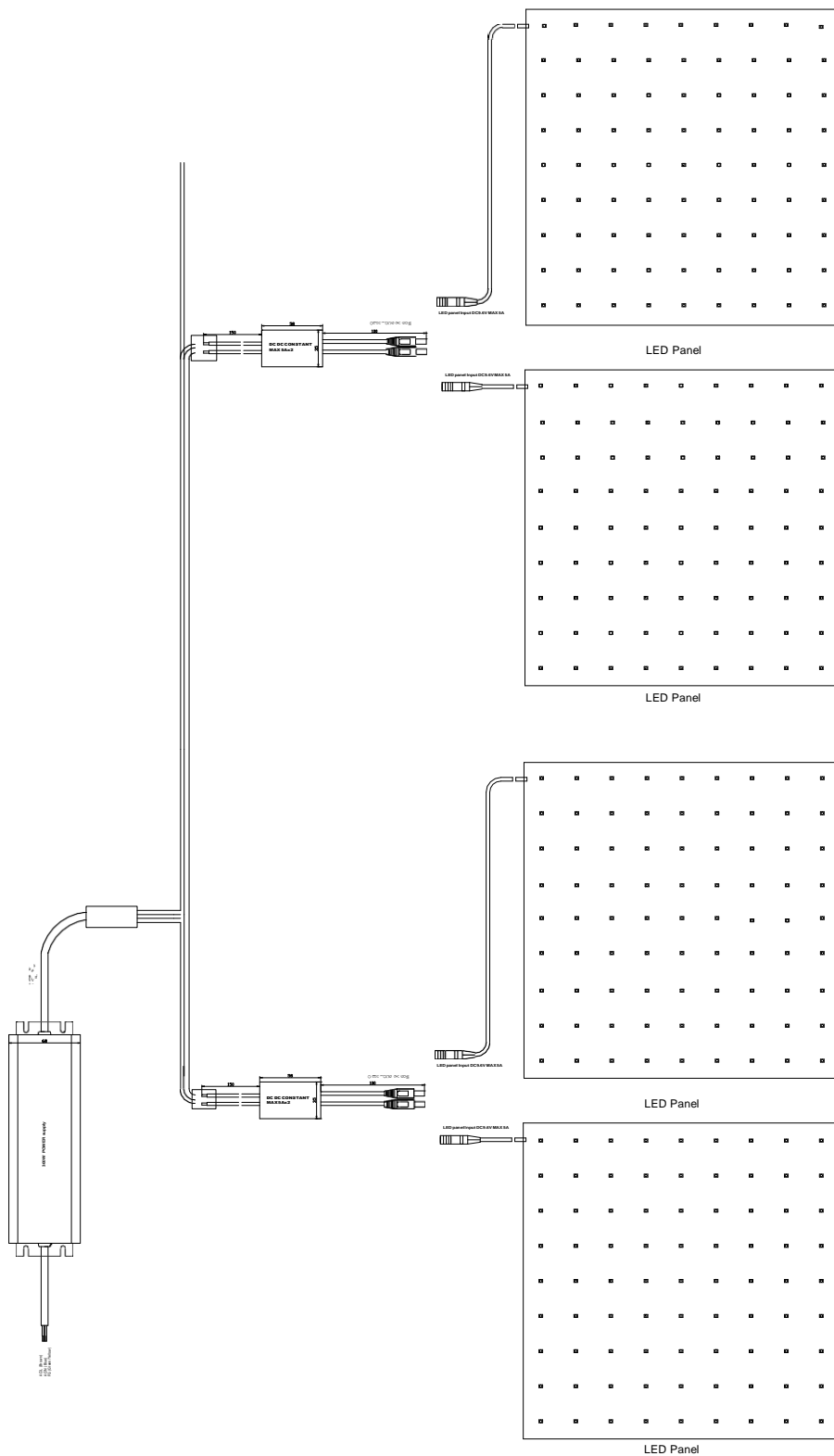
Advertising Print Plan - Light box advertising paper -light box covering fabric Relative distance 5cm, to light evenly



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

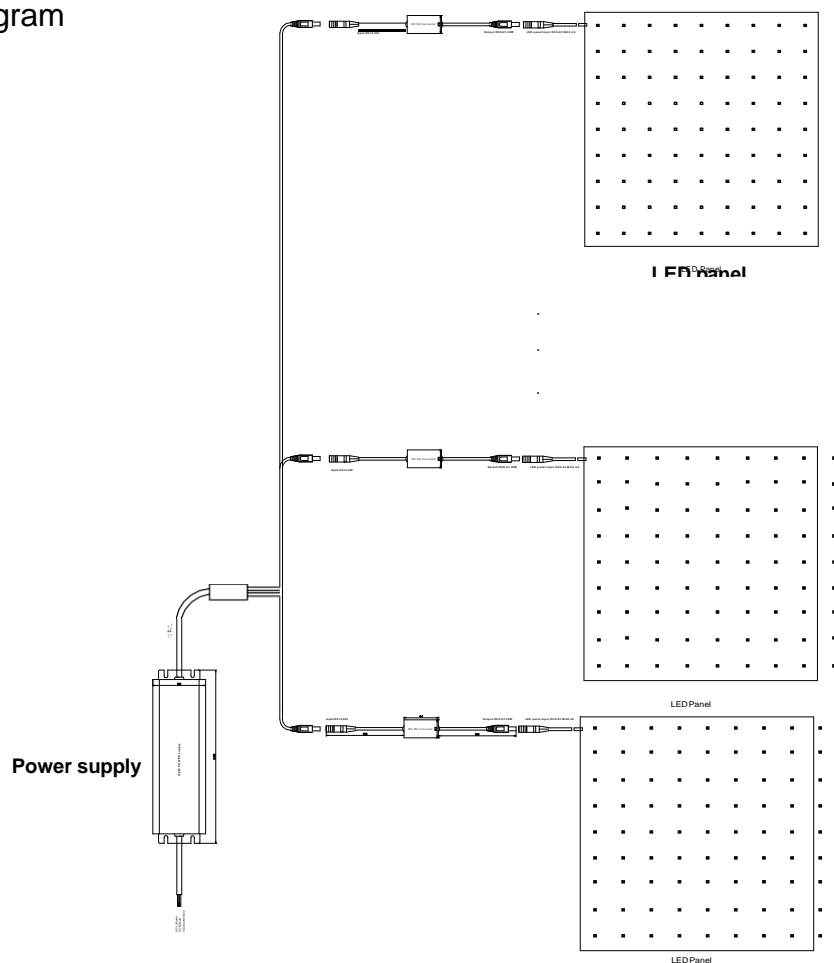


Wiring diagram



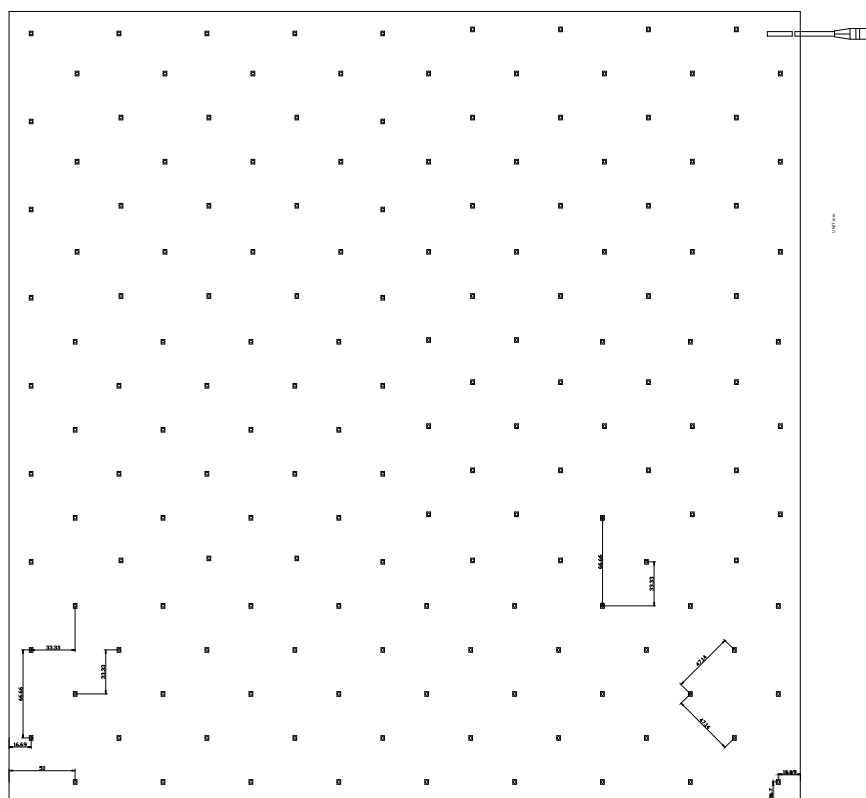
Power supply

Wiring diagram



Led panel + DC DC converter [EF-DC-2A](#) + Power supply

Diamond-shaped arrangement diagram. Zoom to see details



RX-ALF3528-X66 162LED

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.