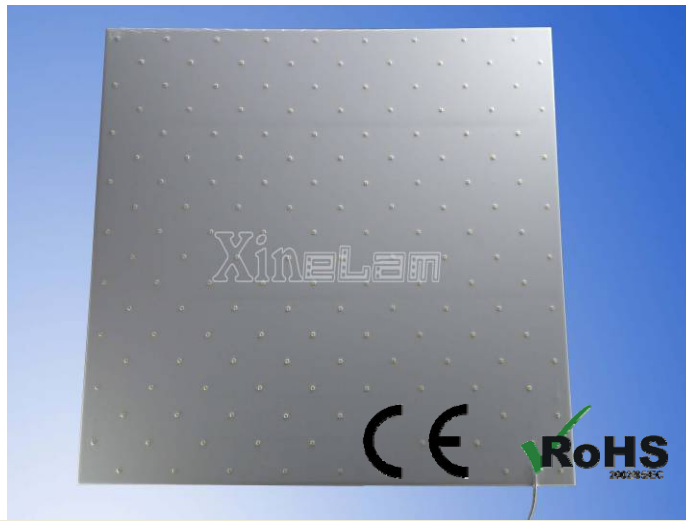


**Description:** RX-ALF3528-X66 Waterproof LED panel lights, using the world's top light efficiency SMD3528 LED, with a thin, low temperature rise, waterproof, long life and so on. Mainly used for indoor and outdoor advertising light boxes backlight, completely replace the fluorescent tubes, energy saving 65%.



**Features:**

- 1.high-efficiency, low power consumption 10W/60x60cm (9.6V products)
- 2.waterproof design, waterproof to IP67
3. the appearance of fine, ultra-thin thickness of 3.5mm
- 4.full aluminum heat dissipation, low temperature rise, and strictly high and low temperature experiments, higher reliability
- 5.Long life: ≥ 50000hrs. (Temperature less than 2 °C, effectively guarantee the LED life; more 24 hours continuous aging test, more than 1100 days)
- 6.Patent No.: ZL200820131053, ZL200820132702
- 7.Warranty: 3 years

**Scope of application:**

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



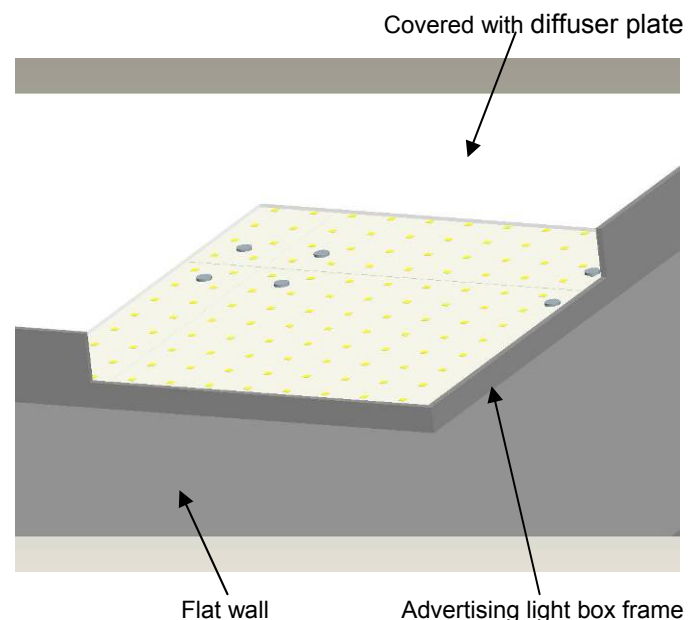
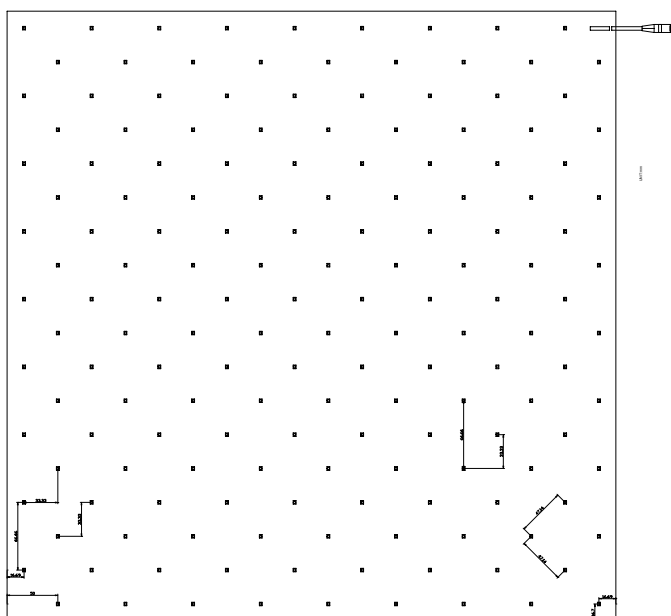
**Electronical Specifications:**

- Input: DC 12V (9.6V Need to use the DC converter)
- Power: 12W/12V (10W/9.6V)
- Viewing angle: 120
- Color rendering index: Ra 70 (optional Ra 80)
- Available colors: white, warm white

**Mechanical Specifications:**

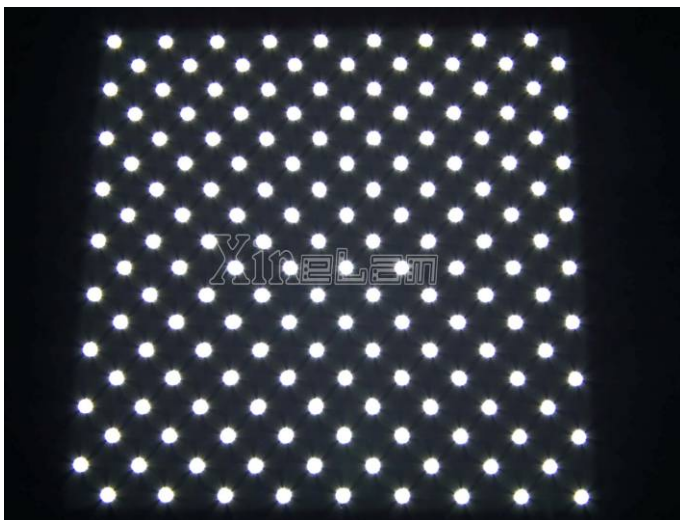
- Dimensions : 60x60cm (23.62"x23.62")
- LED Panel Weight:2KG / 60x60cm
- LED panel thickness: 3.5mm
- Temperature: -20°C ~ 50°C
- Storage Temperature -20°C ~ 80°C
- Standard LED light board lead: 5.5mm DC plug length 50cm

※Power input to DC plug cable, you can according to customer requirements; can customize a variety of sizes and shapes. Standards are not holes, if necessary holes in the order specified!

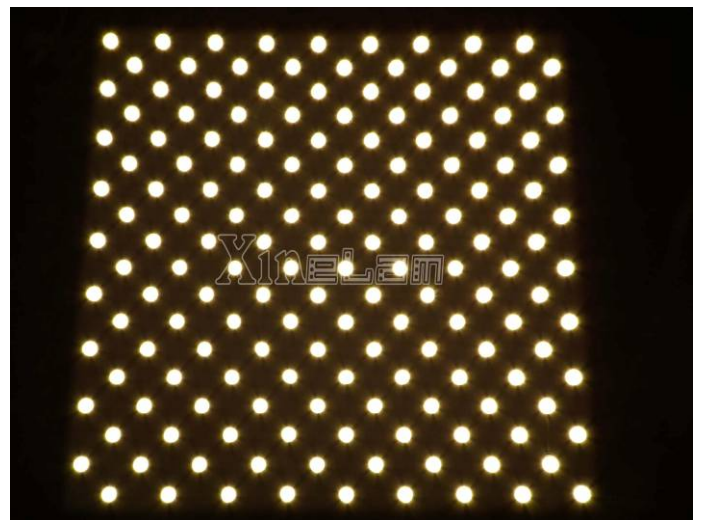


Standards types of data tables:

MODEL	Dimensions mm Power	Luminous flux <b>Lm</b>	Illuminance Lux(Centre distance)				DC, DC converter	NOTE
			Spacing 6cm/2.36"	Spacing 0.5M/19.68"	Spacing 1M/39.37"			
RX-ALF3528-X66-9.6V LED spacing 47mm	600x600x3.5 9.6V 10W	1100Lm	1600	620	210	<a href="#">EF-DC-2A</a> Input DC12~24V	Need to use the DC converter or a dedicated power supply	
RX-ALF3528-X66-12V LED spacing 47mm	600x600x3.5 12V 12W	1100Lm	1600	620	210	Input DC12V	You can use the normal 12V power supply or battery powered	



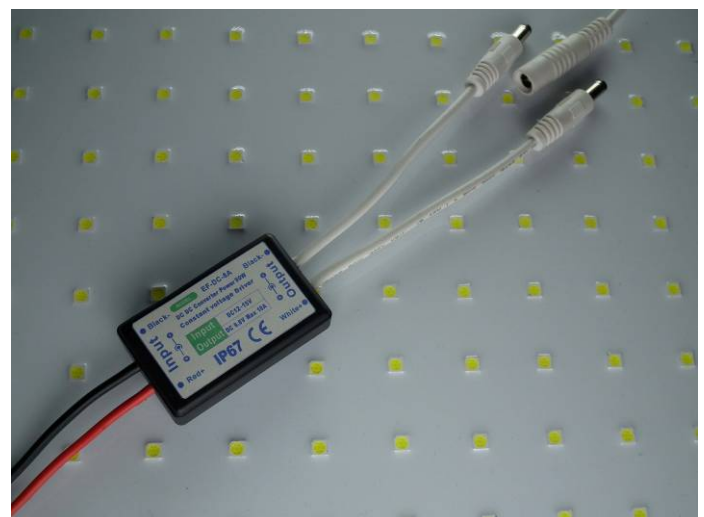
White6000-6500K



Warm white3000-3500K

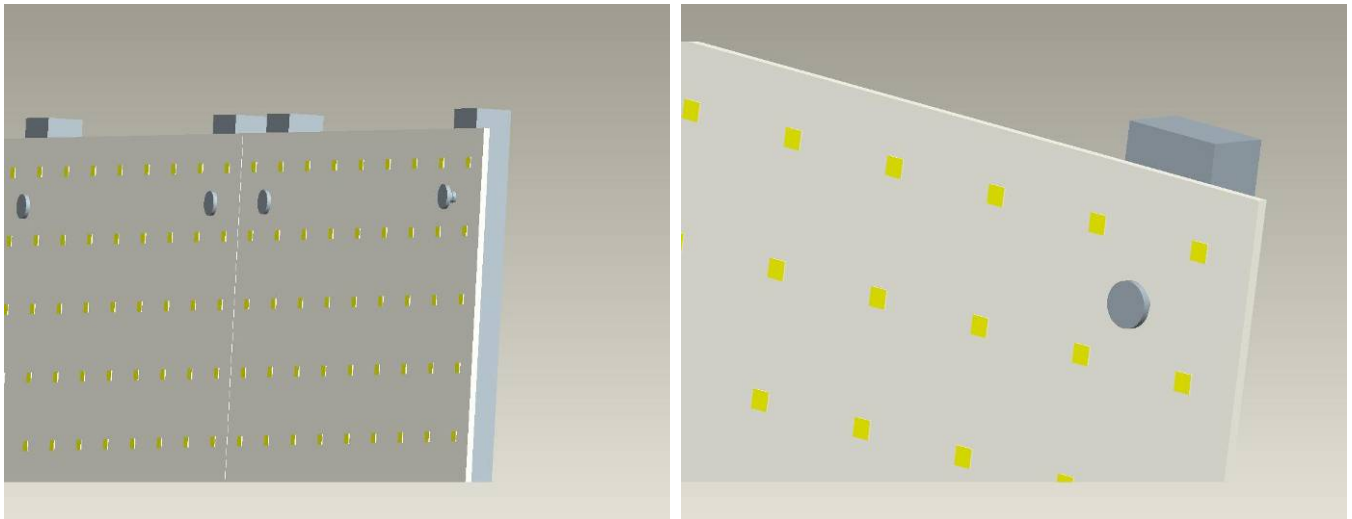


DC,DC converter [EF-DC-2A](#) driver LED panel



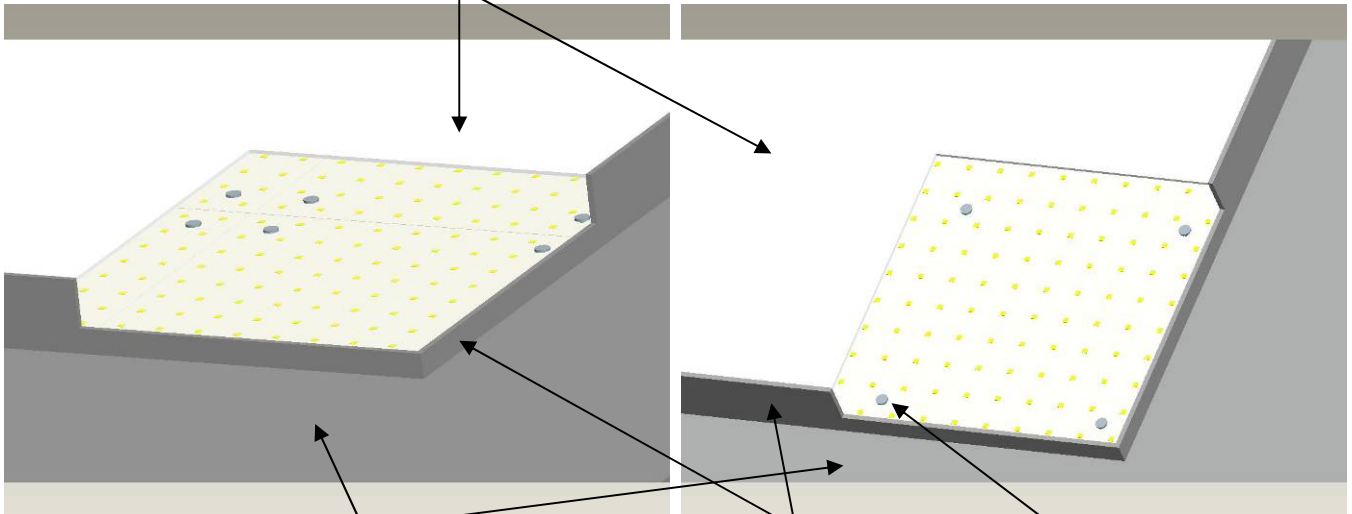
DC,DC converter [EF-DC-8A](#) driver LED panel

## Advertising backlight installation diagram



Covered with diffuser plate

Relative distance 6cm, to light evenly

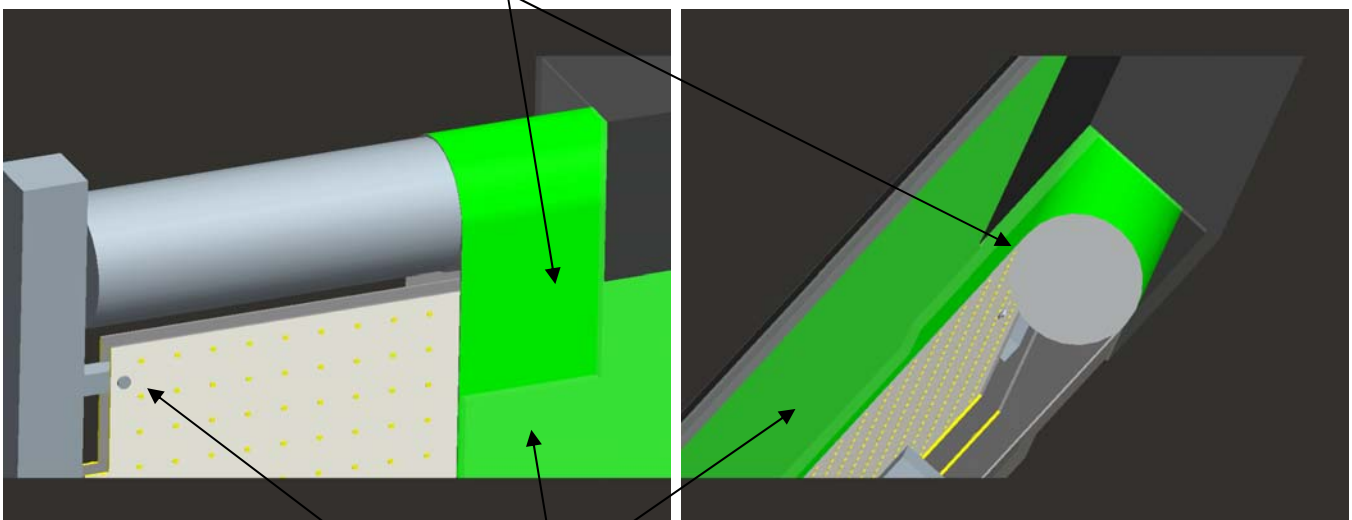


Flat wall

Advertising light box frame

Screw

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



Screw

transparent plate

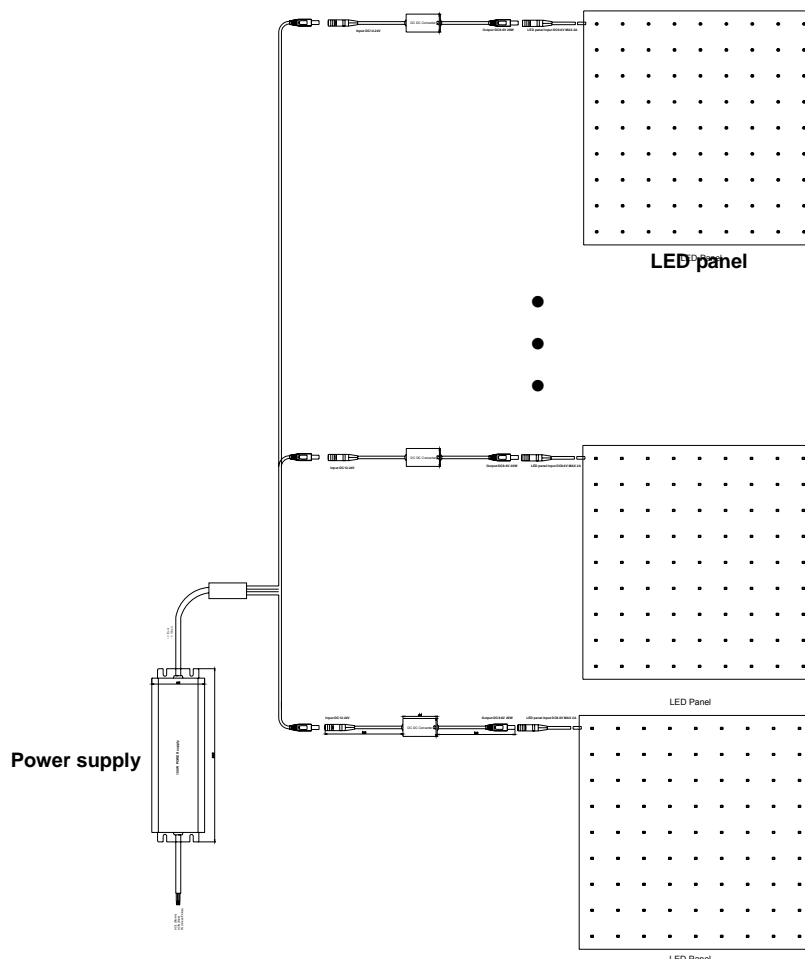
**Note:** Our only produce LED aluminum panel, the picture above for reference purposes only!

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

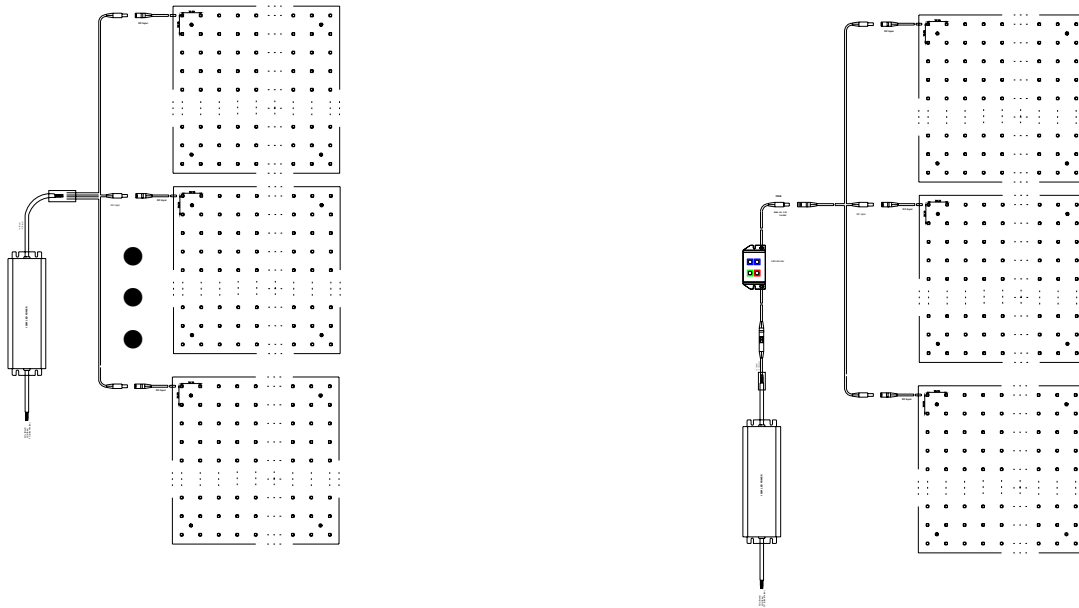
#### Safety Information

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.
13. Please be sure you choose right AC/DC power adaptor to drive LED aluminum panel. If you have difficulty to buy such adaptor locally, please turn to us. (If you use poor quality of the LED power supply; LED panel caused damage, we will not warranty).

#### 1, 9.6V LED panel Wiring diagram



## 2. Multiple LED ALU panel wiring diagram (Only 12V LED panel - to the dimming)



Multiple parallel wiring diagram

Dimmer wiring diagram

## 3. Simultaneous dimming Multiple-LED-ALU-panel

