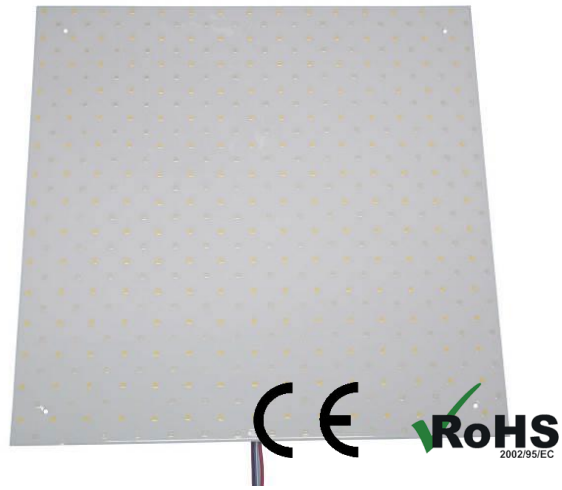
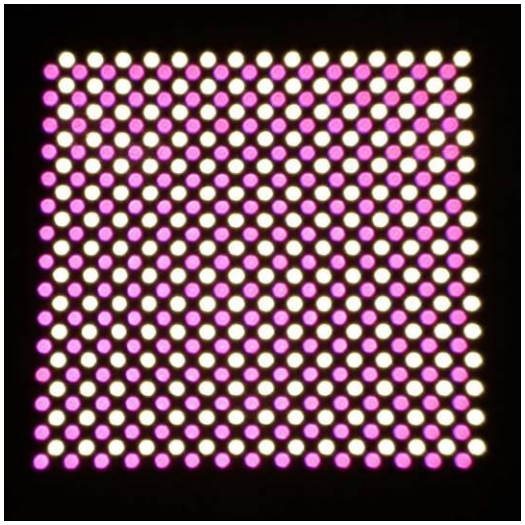
Description: RX-ALF5050 waterproof LED aluminum panel, Patent No.:ZL200820131053, ZL200820132702. With top SMD5050, unique waterproof design, the world's first, holds several patents, has a slim, low temperature rise, waterproof, safe, reliable, long life; strength over 50,000 hours aging test; Around 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

>50000 Hours Test*
>6yeas(2008/9/8)
Life-Span >50000hours

Large-size
Customization
Max 800x800mm

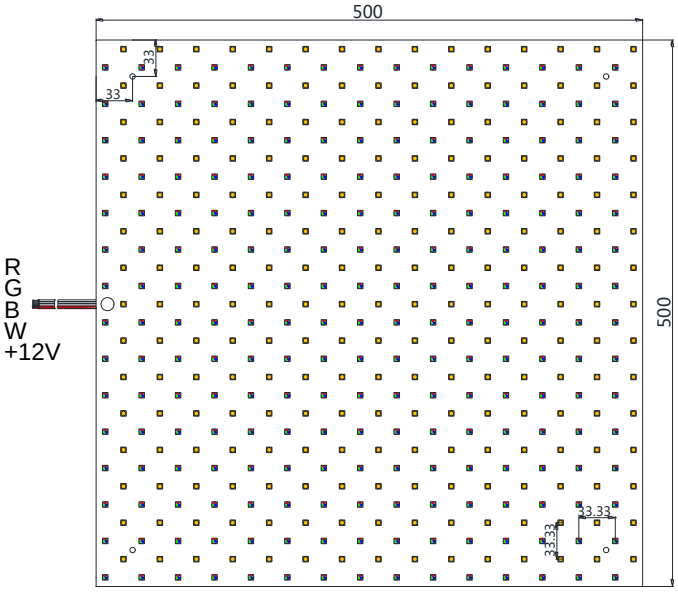
Safe Low Voltage
DC12V

Ultra-thin
3mm

RGBW 4 Independent LED
Adjust any color you need

Application specs	
Brightness	22Lm / White ; 5Lm/RGB
Default Colors	Red, Green, Blue, Warm White
Other colors	RGBNW; RGBWW
CRI	> 75 / White
Application Environment	Dry & Damp Locations
Operating Temperature	-30~50°C
Electrical specs	
Power	0.2W / LED
Input	DC 12V Common anode
Warranty	3 years
Certification	CE RoHS FCC

Schematic diagram



LED side lead wires

Back side lead wires

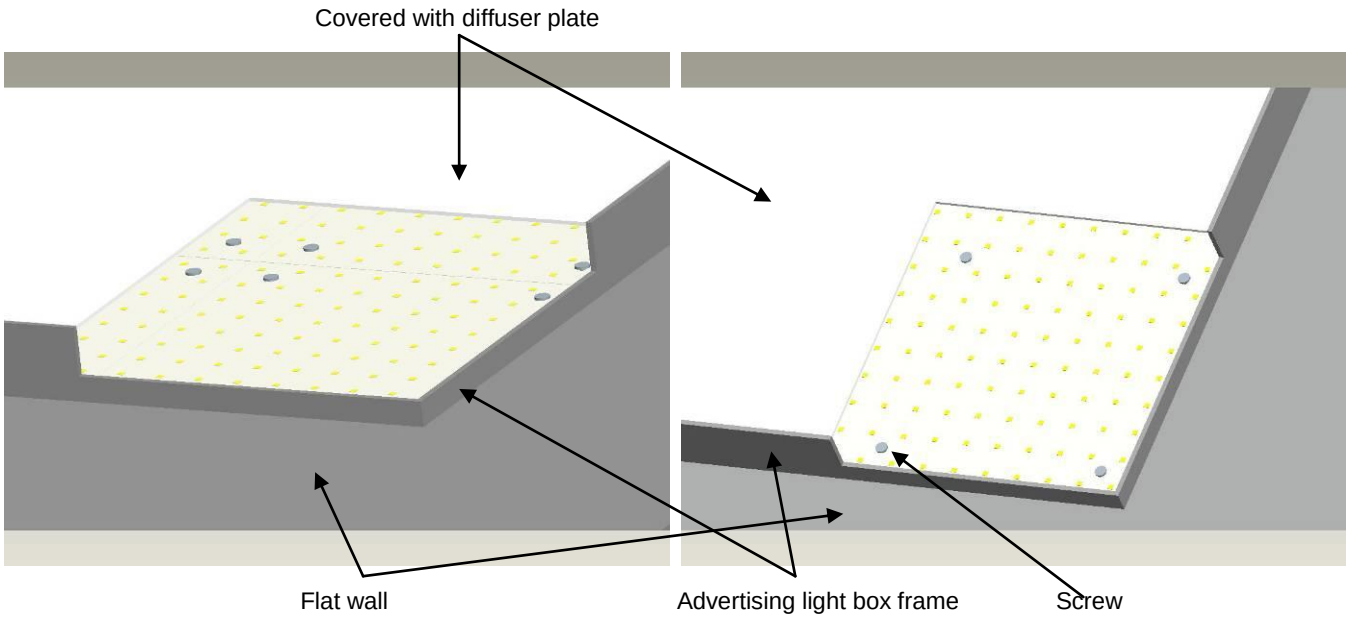
* >50000 Hours Test (The same series of white LED aluminum panel)

Data sheet

MODEL	Dimension LED QTY	Lumen	Power DC12V	Life-Span	LED spacing Brightness/ m^2	Comment
RX-ALF5050-33-RGBW-3030	300x300mm 81pcs RGB LED 81pcs WW LED	1550Lm/WW 400Lm/RGB	15W/ww 15W/RGB	>40000hours	**33.33mm** Min. Cabinet Depth* 48mm White: 160W / m2 16100Lm / m2 RGB: Max160W / m2 4400Lm / m2	Max Temperature rise + 18°C Operating Temperature (-30~50°C) high brightness 60% energy saving compared with fluorescent Lighting-source light boxes backlight. 3 LED a group
RX-ALF5050-33-RGBW-3060	300x600mm 162pcs RGB LED 162pcs WW LED	3000Lm/WW 800Lm/RGB	30W/ww 30W/RGB	>40000hours		
RX-ALF5050-33-RGBW-5050	500x500mm 225pcs RGB LED 225pcs WW LED	4000Lm/WW 1060Lm/RGB	40W/ww 40W/RGB	>40000hours		
RX-ALF5050-33-RGBW-6060	600x600mm 324pcs RGB LED 324pcs WW LED	5700Lm/WW 1500Lm/RGB	57W/ww 57W/RGB	>40000hours		

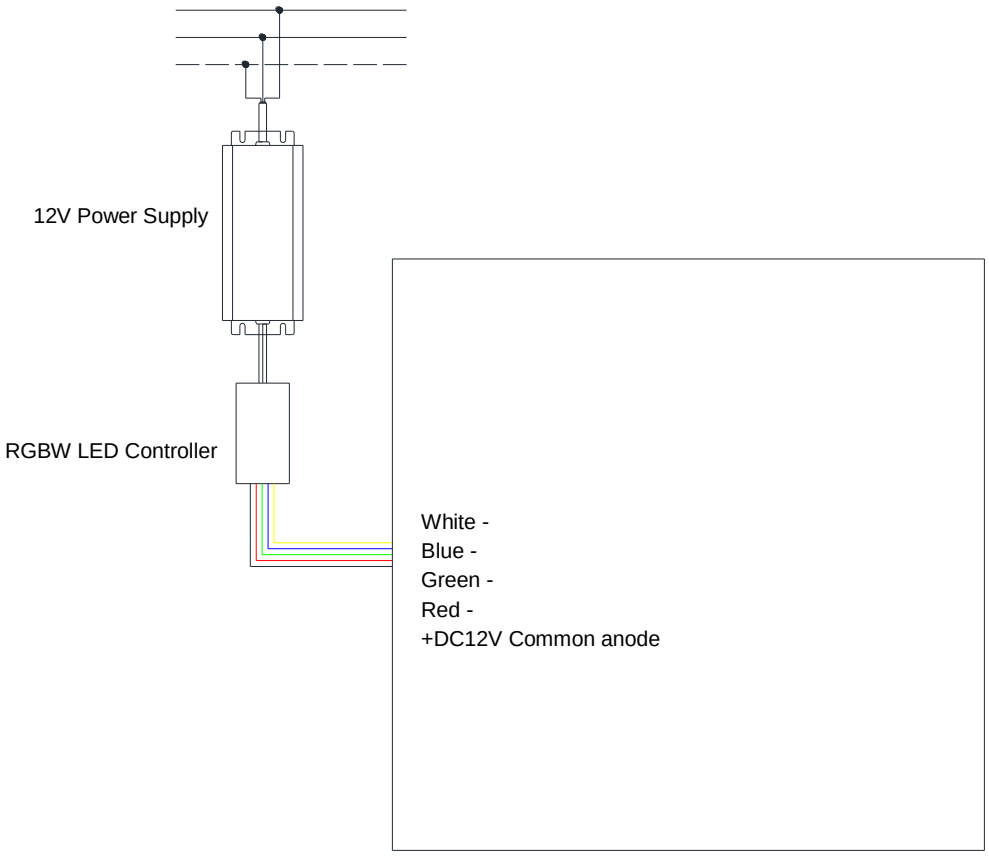
The above table data testing at room temperature is 25 °C, test voltage DC12V;
*Minimum distance required from panel to face. Calculated with 2447 milky white acrylic with no graphics, Depth on faces with graphics can nave thinner cabinet depths, Consult with XineLam for samples and depth demonstrations. Special sizes, Consult with XineLam Reps and Distributors

Advertising light boxes backlight installation diagram



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

Wiring diagram



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Power Supply power must be at least 20% higher than LED load power

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.