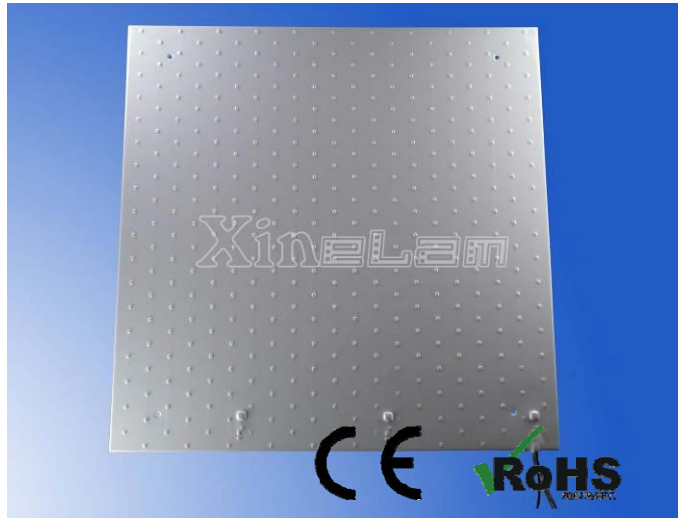


**Description:** RX-ALF3528-CC-T30 series Direct type LED panel, The unique triangular design yields the most illuminating coverage as well as balanced and evenly lit back panels. using the TOP SMD3528 LED, with a thin 0.14", low temperature rise, waterproof ip67, long life and so on. with constant current technology, Dedicated to advertising backlight-light source, Do your own energy-saving lighting project.



### Features:

- 1.Highest luminous efficiency of the LED panel 105Lm/W
- 2.With constant current technology 18 ~ 25V wide voltage input, can use PWM dimming
- 3.Waterproof design, waterproof grade IP67
- 4.Minimal can depth required at 1.5"(38mm) distance there will not be hot spots seen on the graphic!
- 5.Large size, the largest custom size 3'x3', thickness of 3.5mm
- 6.Full aluminum heat dissipation, low temperature rise, the strict high and low temperature experiments, higher reliability
- 7.Long life: ≥ 50000hours. Warranty: 3 years
- 8.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.



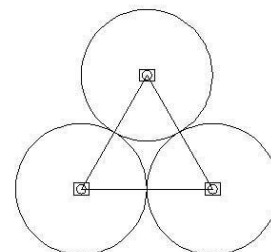
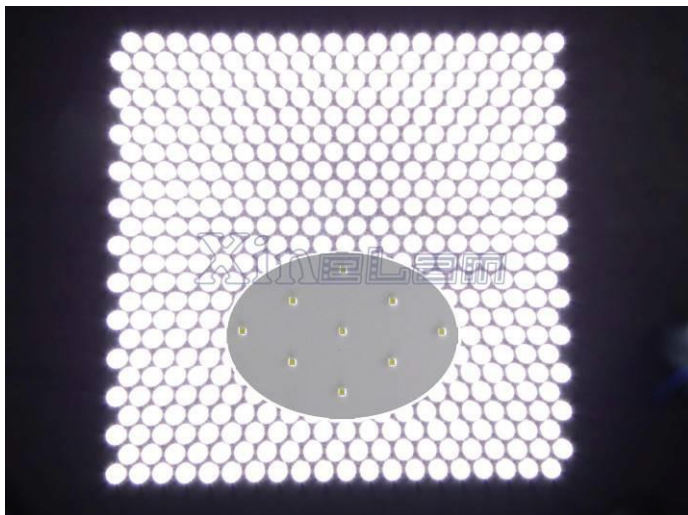
### Electronical Specifications:

- Input: DC 18 ~ 25V (Recommended DC24V)
- Power: 0.068W/LED
- Viewing angle: 120° luminous efficiency: ≥ 105Lm /W
- Color rendering index: Ra 70/80
- Available colors: Warm White 3000-3500K,  
Neutral White 4300-4700K, Cool white 6000-6500K

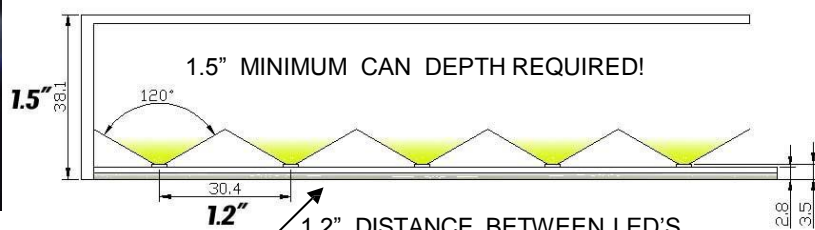
### Mechanical Specifications:

- Main Material: Aluminum, Modified Epoxy, LED
- Dimensions: see table below
- LED Panel Weight: 2KG / 24"x24" (608x608mm)
- LED panel thickness: 3.5mm
- Temperature: -20℃ ~50℃ Storage Temperature -20℃ ~80℃
- Waterproof Input cable 7"(20cm) ; PWM cable 6"(18cm)

※Standard input wire to the back side of the lead; 25 °C average temperature, life 50000hours

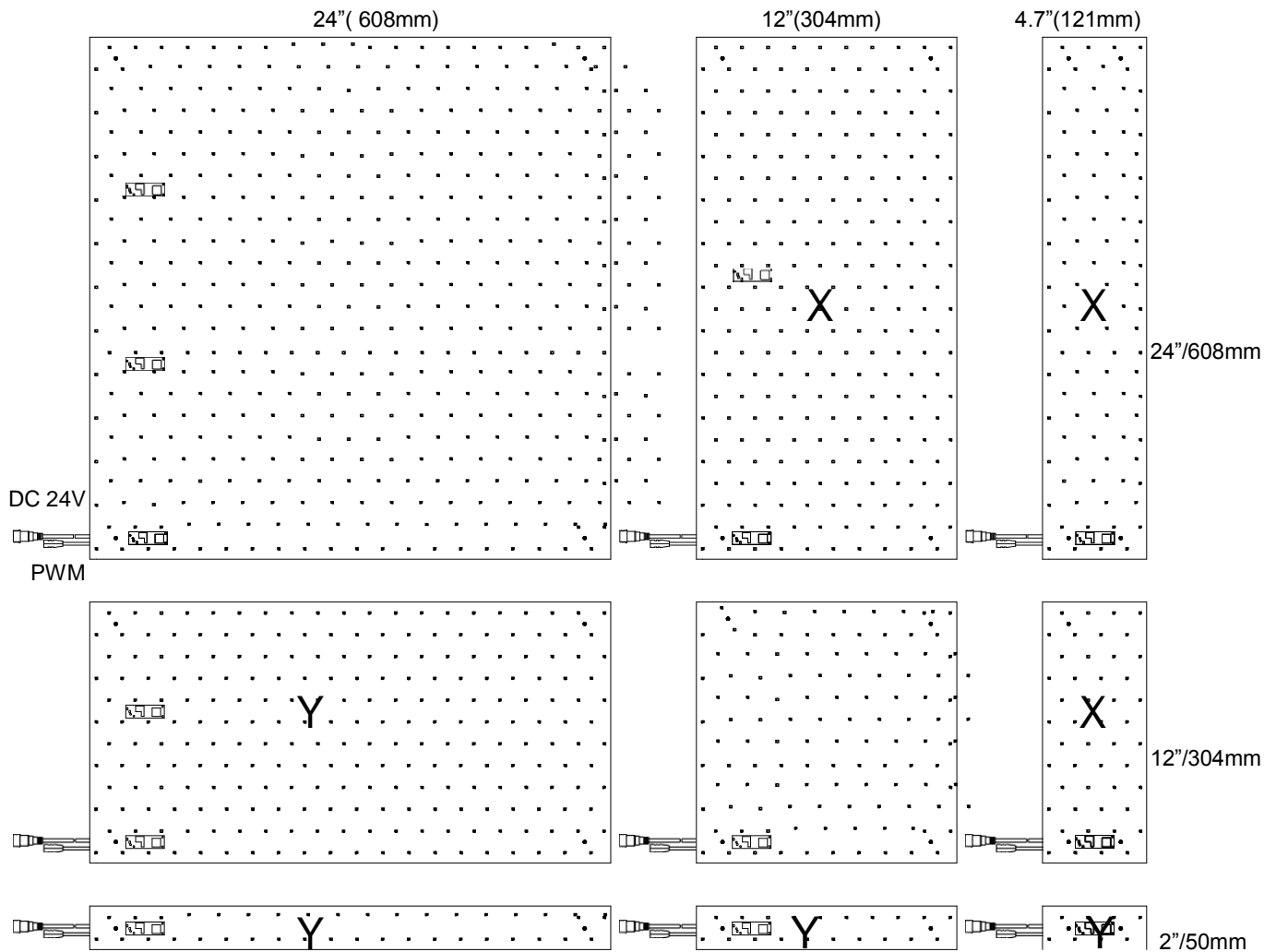


New design Balanced Light Distribution  
NO HOT SPOTS!



Aluminum plate temperature rise < 5 °C, long life, higher reliability

Common types of data tables:



MODEL	Dimensions Power	Luminous flux <u>Lm</u>	Illuminance I ux(Centre distance) depth				note
			4cm/1.5"	0.5m/19.6"	1m/39.3"	2m /78.7"	
RX-ALF3528-CC-T30 24"x24" (608x608mm)	480LED 32W	3360Lm	5200	1800	620	180	
RX-ALF3528-CC-T30/Y 24"x12" (608x304mm)	240LED 16W	1680Lm	5200	960	320	91	
RX-ALF3528-CC-T30/X 12"x24" (304x608mm)	240LED 16W	1680Lm	5200	960	320	91	
RX-ALF3528-CC-T30 12"x12" (304x304mm)	120LED 8W	840Lm	5100	620	168	47	
RX-ALF3528-CC-T30/X 4.7"x24" (121x608mm)	96LED 6.5W	680Lm	5000	490	135		
RX-ALF3528-CC-T30/X 4.7"x12" (121x304mm)	48LED 3.2W	336Lm	4900	320	115		
RX-ALF3528-CC-T30/Y 24"x2" (608x50mm)	40LED 2.7W	285Lm	4800	288	80		
RX-ALF3528-CC-T30/Y 12"x2" (304x50mm)	20LED 1.4W	145Lm	3200	150	40		
RX-ALF3528-CC-T30/Y 4.7"x2" (121x50mm)	8LED 0.5W	56Lm	2800	70	20		

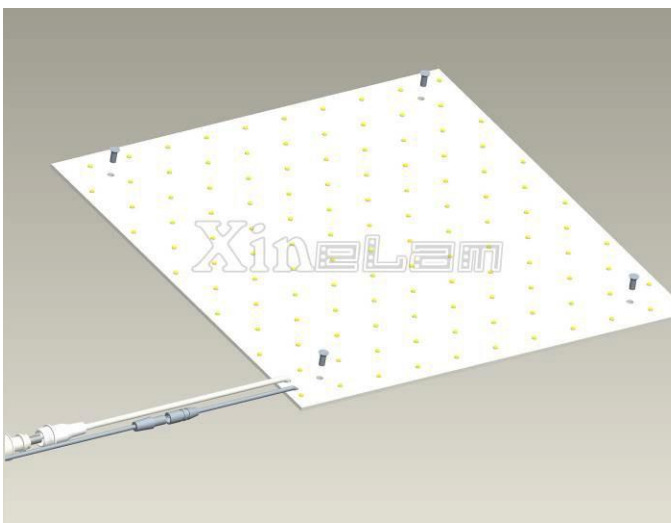
Note: The above room temperature to form data test 25 °C, LED color is white (6000-6500K)



Front side lead wires



back side lead wires



Front side lead wires used to create new advertising light boxes - Small depth - Slim Light Box

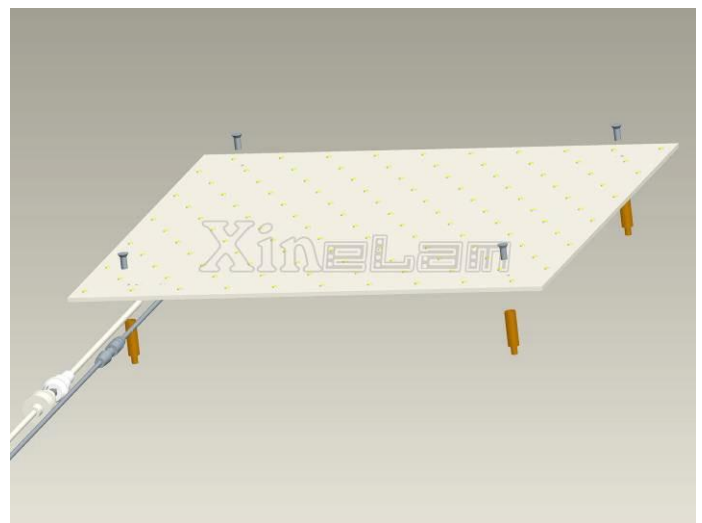
**Accessories:**

**M4x10mm Screw: 4pcs**

**Waterproof DC plug cable 20cm: 1pcs**

**PWM waterproof plug wire 18cm: 1pcs**

**Adhesive Back cable Twist Clips: 2pcs**



back side lead wires ,transformation of the old fluorescent light box; increase screw column - reduce the distance between the LED and canvas, to improve brightness, easy-to-wire connection.

**Accessories:**

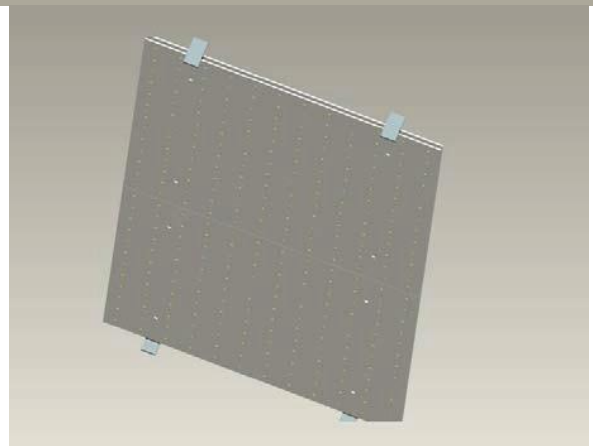
**M4x10mm Screw: 4pcs**

**Waterproof DC plug cable 20cm: 1pcs**

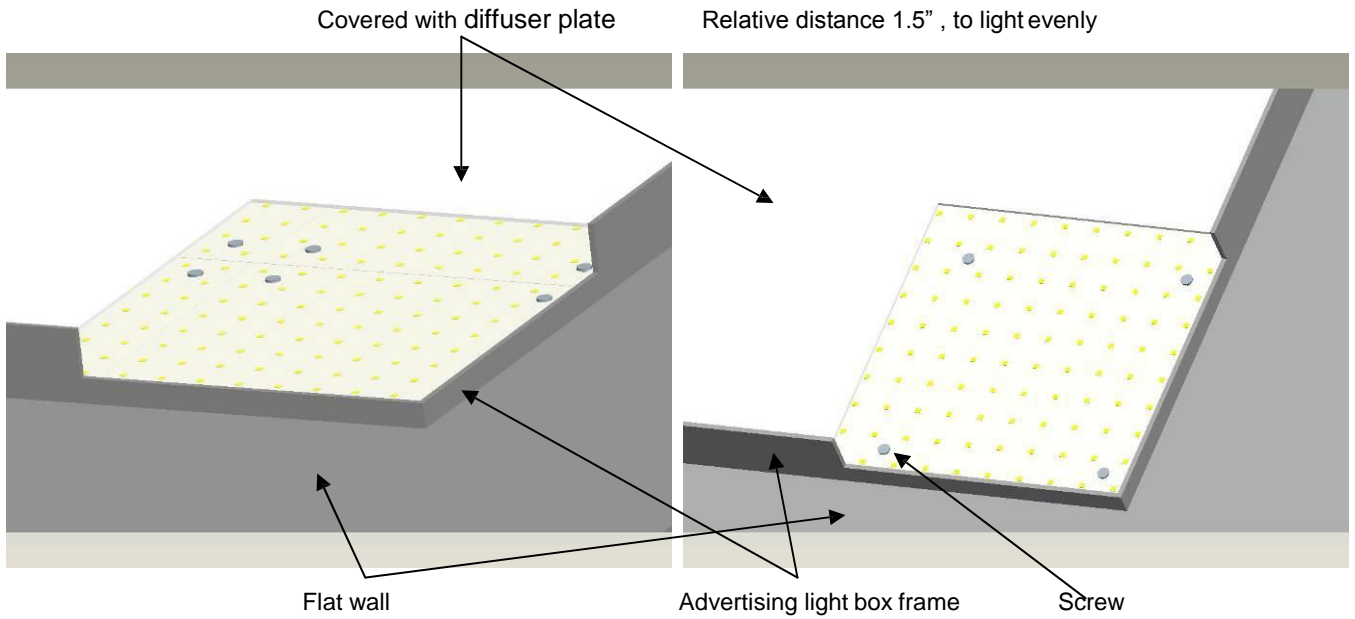
**PWM waterproof plug wire 18cm: 1pcs**

**M4 22+6 Screw studs: 4pcs**

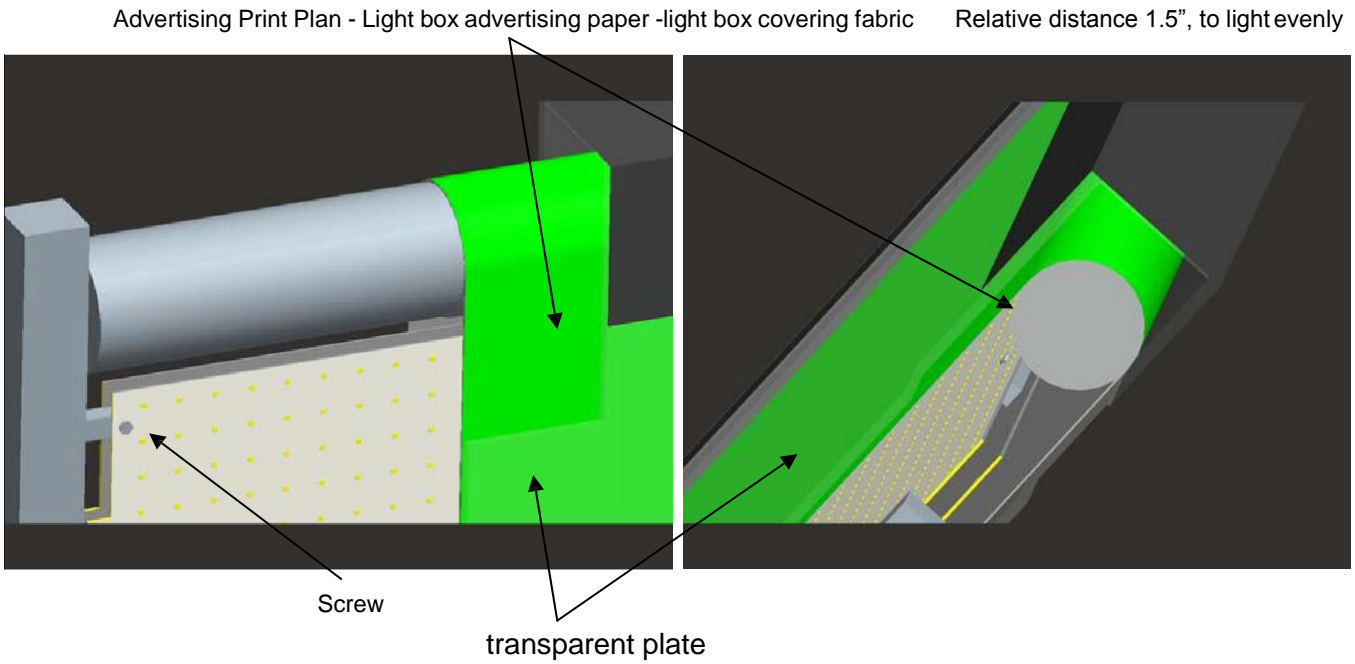
※Above for our standard parts, if other needs, please contact us!



## Advertising light boxes backlight installation diagram

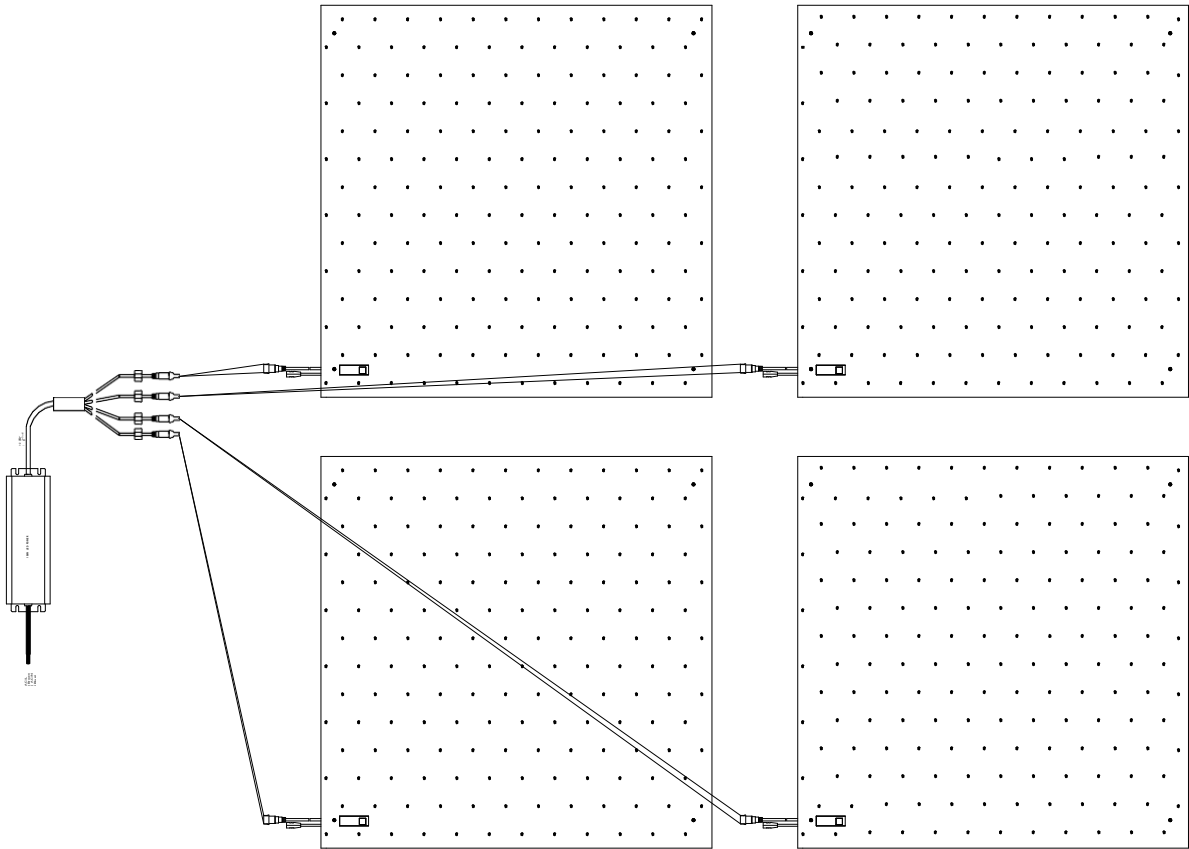


**Note:** Our only produce LED aluminum panel, the picture above for reference purposes only!

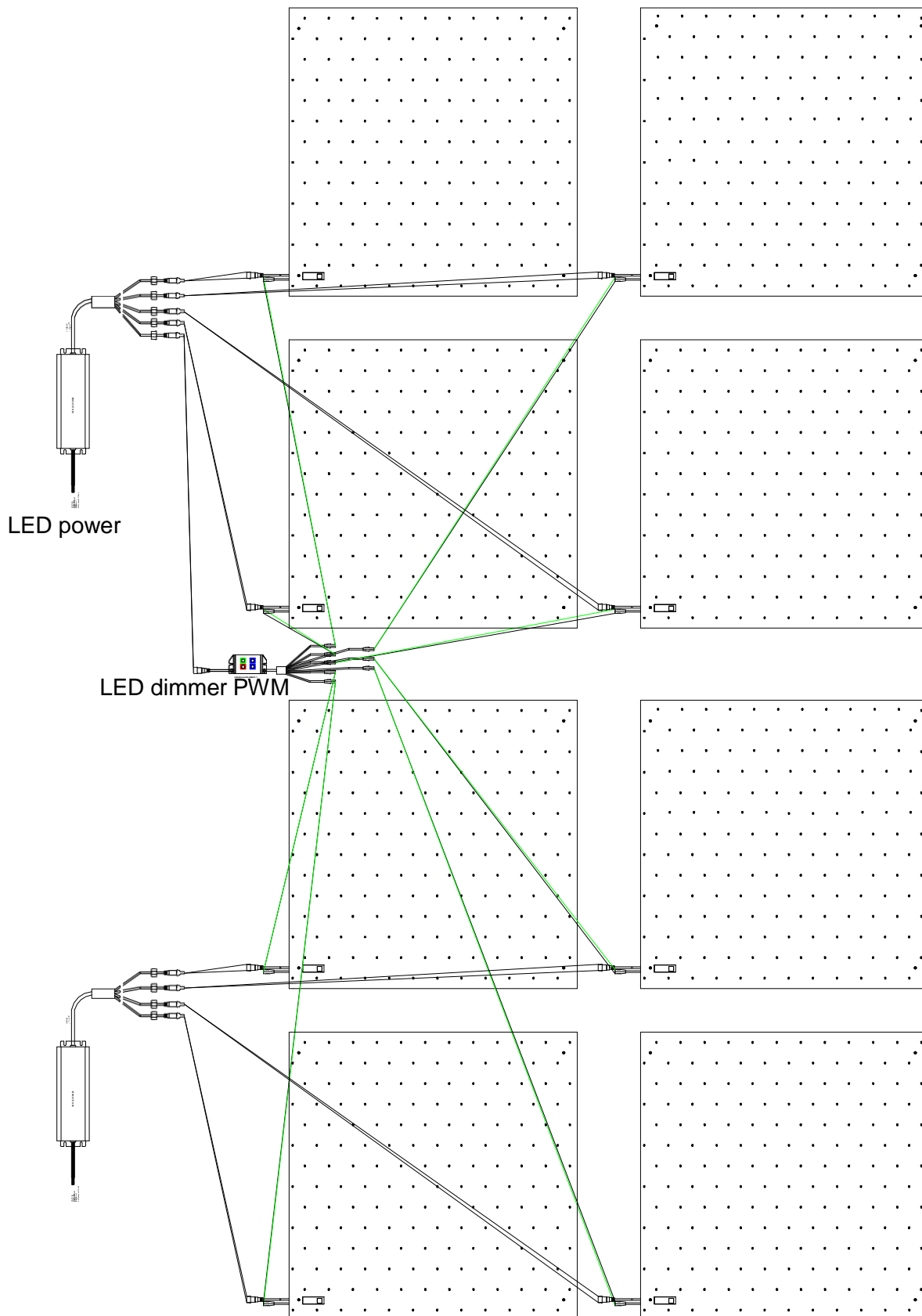


**Note:** Our only produce LED panel, the picture above for reference purposes only!

## 1. Multiple LED panel wiring diagram



## 2. Dimmer wiring diagram



Note: This product does not contain LED power supply, LED dimmers, extension cords; If you have a need, please contact us!

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.

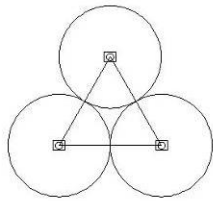
If you use poor quality of the LED power supply; LED panel caused damage, we will not warranty.

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

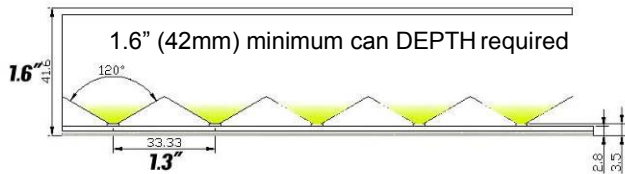
#### **Safety Information**

- 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.**

**Related models and sizes:**



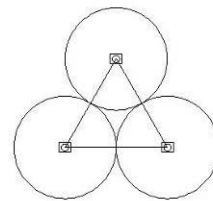
1.3" (33mm) DISTANCE BETWEEN LED'S



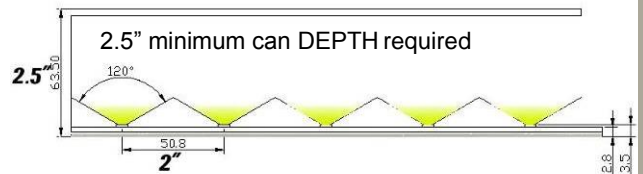
RX-ALF3528-CC-T33

**RX-ALF3528-CC-T33 standard sizes:**

- 600x600mm 360LED 24V 24W 2520Lm
- 600x300mm 180LED 24V 12W 1260Lm
- 600x60mm 36LED 24V 2.4W 250Lm
- 300x600mm 180LED 24V 12W 1260Lm
- 300x300mm 90LED 24V 6W 640Lm
- 300x60mm 18LED 24V 1.2W 126Lm
- 100x600mm 60LED 24V 4W 420Lm
- 100x300mm 30LED 24V 2W 210Lm
- 100x60mm 6LED 24V 0.4W 42Lm



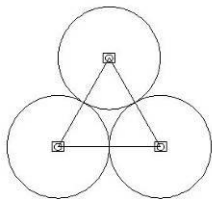
2"(50mm) DISTANCE BETWEEN LED'S



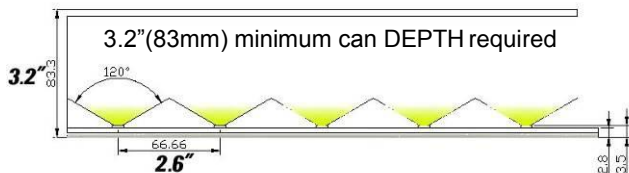
RX-ALF3528-CC-T50

**RX-ALF3528-CC-T50 standard sizes:**

- 24"x24" (608x608mm) 168LED 24V 11.4W 1200Lm
- 24"x10.2" (608x260mm) 72LED 24V 4.9W 515Lm
- 24"x3.4" (608x87mm) 24LED 24V 1.6W 170Lm
- 12"x24" (304x608mm) 84LED 24V 5.7W 600Lm
- 12"x10.2" (304x260mm) 36LED 24V 2.4W 256Lm
- 12"x3.4" (304x87mm) 12LED 24V 0.8W 85Lm
- 6"x24" (152x608mm) 42LED 24V 2.9W 300Lm
- 6"x10.2" (152x260mm) 18LED 24V 1.2W 125Lm
- 6"x3.4" (152x87mm) 6LED 24V 0.4W 42Lm



2.6"(66mm)DISTANCE BETWEEN LED'S



RX-ALF3528-CC-T66

**RX-ALF3528-CC-T66 standard sizes:**

- 600x600mm 90LED 24V 6W 640Lm
- 600x120mm 18LED 24V 1.2W 128Lm
- 200x600mm 30LED 24V 2W 210Lm
- 200x120mm 6LED 24V 0.4W 42Lm