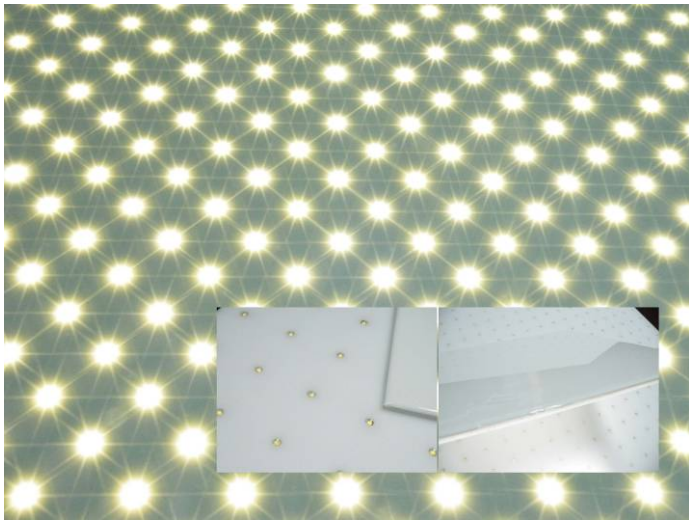


**Description:** High luminous efficiency LED ceiling board lamp, Luminous efficiency of more than 100LM / W. Look beautiful, can directly replace the ceiling the same size. Waterproof design protection grade IP67.



### Features:

1. High intensity LEDs
2. Beautiful appearance, waterproof moisture.
3. Dimensions: 30x30cm,30x60cm,60x60cm...
4. Small size, the thickness is less than 6.5mm.
5. Single string LEDs with 33mm spacing
6. Input voltage: 12V or 20V, Safe and reliable.
7. Easy connection
8. Lifetime is up to30, 000 hours

### Scope of application:

Apply to lighting, Direct replacement of the same size of the ceiling board, Advertising light box,advertising signs backlight.

### Mechanical Specifications:

Main Material: PMMA, Modified Epoxy, LED  
 Dimensions (W x L): 30CM, 40CM,50CM,60CM  
 Height (thickness) : ≤6.5mm  
 LEDs Space: 33mm  
 Operating Temperature: -20°C~55°C  
 Weight: 650g - 30X30cm  
 IP Grade: IP67

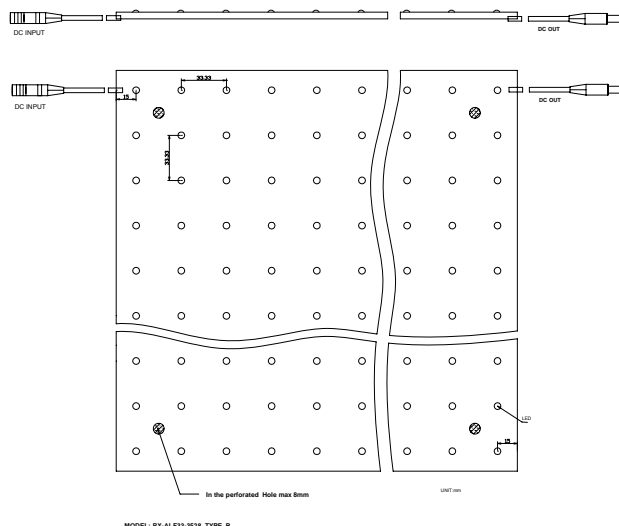
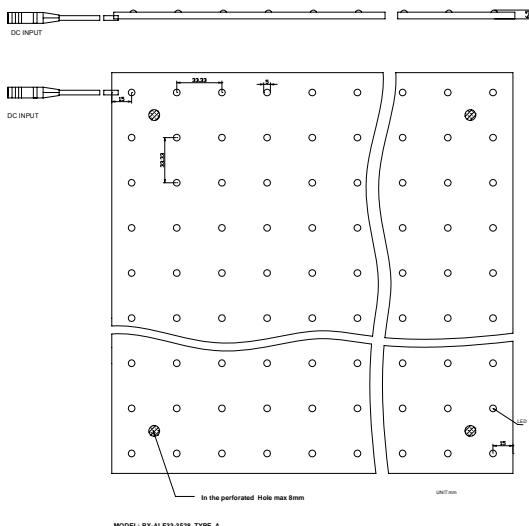
### Electronical Specifications:

Input Voltage:12VDC (Can choose to 20v)  
 Max Power: 0.07/LED  
 Output Brightness: 6 -7LM / LED  
 60cm x 60cm = 324LED , 40cm x 50cm = 180LED  
 30cm x 60cm = 162LED , 30cm x 30cm = 81LED



**Note:** The red side-line is the anode or Center positive for stock .

### Dimension

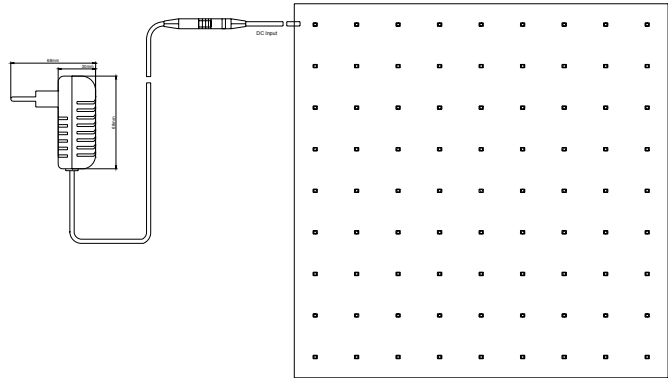
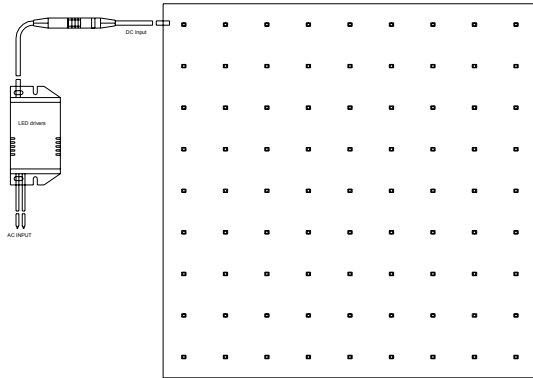


TYPE A: Plug connections with male at one ends

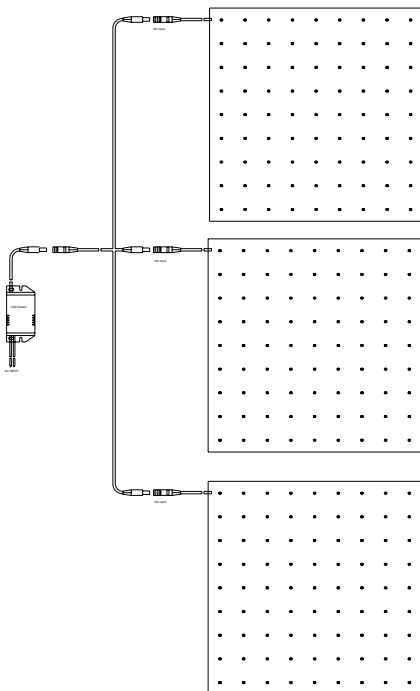
TYPE B: Plug connections with male and female at oposite ends

### Wiring diagram

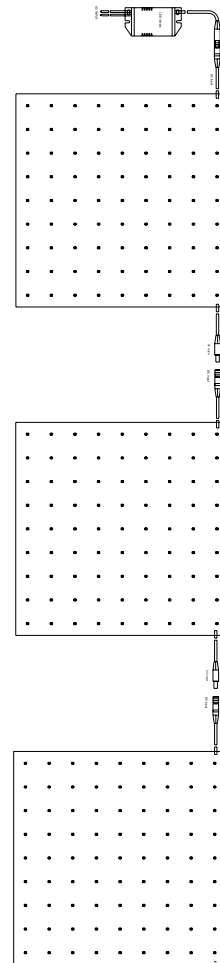
#### 1. Basic wiring diagram



#### 2. Multiple LED LAMP wiring diagram

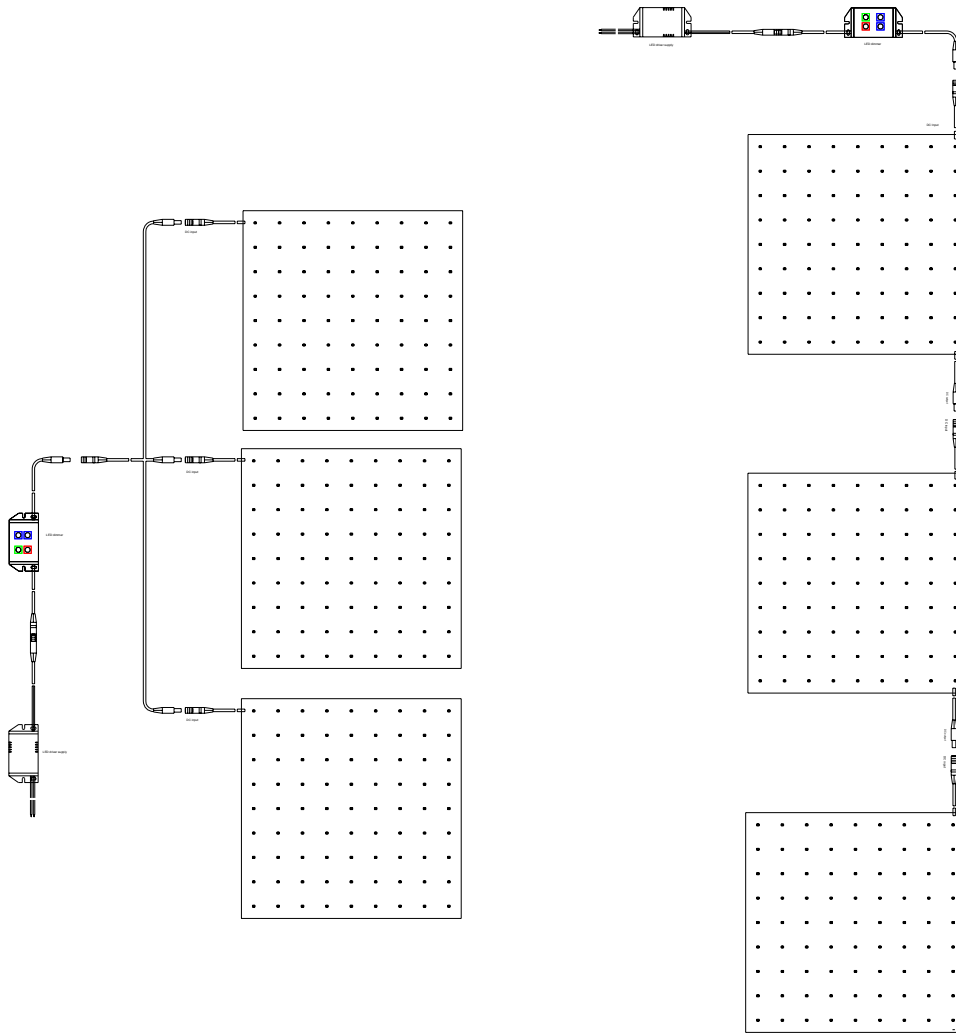


Parallel wiring

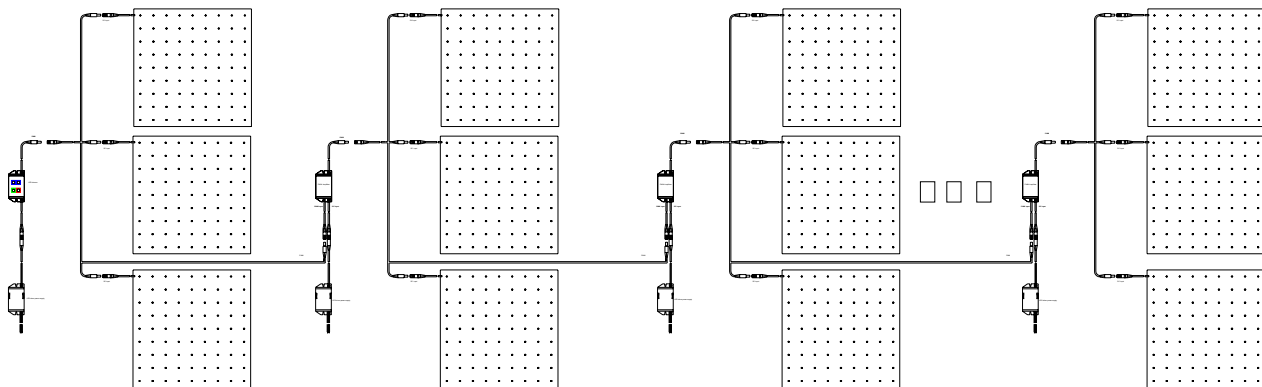


Serial Connection

### 3. Dimmer wiring diagram



### 4. Simultaneous dimming Multiple-LED-LAMP



**Safety Information**

- 1.The LED lamp 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 lamp.
- 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 lamp.
- 7.Please ensure that the power supply is 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 lamp.
- 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 lamp , please note waterproof wiring Department

Please be sure you choose right AC/DC power adaptor to drive LED lamp. If you have difficulty to buy such adaptor locally, please turn to us.

Please check our LED drive power:

<http://www.neon-elwire.com/led-driver.htm>