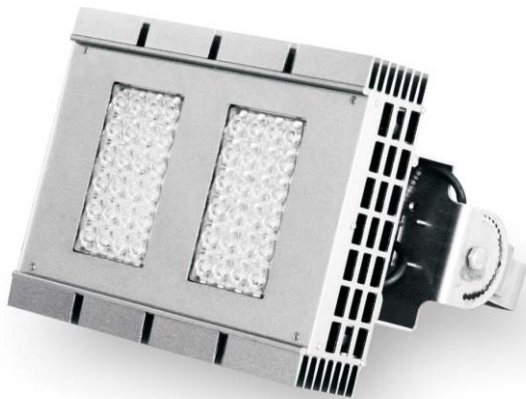


# Instruction Manual



## LED Tunnel light



### ◆ Check and attention before usage

At first please verify the LED light is intact and the lens is not damaged. Switch ON power to check for malfunction such as No-Light, Flashing or other defects. In case of any defect please refrain from purchasing the light and ask the distributor for replacement.



**Attentions!**

Only trained and experience personnel should undertake installation and start up. Please read the installation manual prior installation. The company holds no responsibility for damages and accidents caused due to failure to adhere to the operating procedure, attentions and warnings.

### ◆ Application

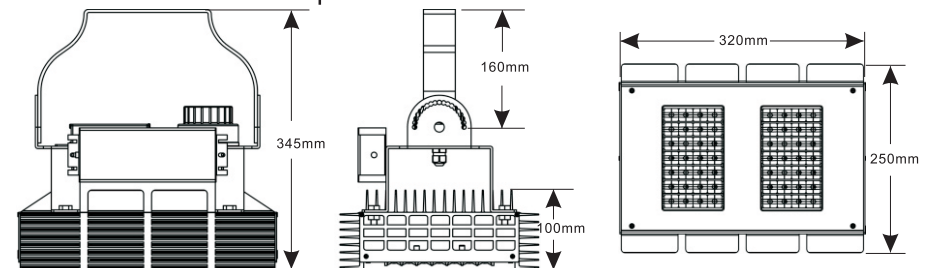
The LED light may be installed in variety of applications like-any kind of Tunnels, Toll Gates, Elevated bridge, Square, Playing field/area, advertise-ment/billboards & building lighting etc. Please contact us for any special illumination requirements.

### ◆ Featured Functions

- A. Rectangular beam pattern design, realized high intensity, high uniformity and eliminate glare;
- B. Modular design, easy to maintain, long life, low maintenance cost;
- C. External waterproof power and drive, High IP rating;
- D. High brightness, low power consumption, stable LED, safe to use;
- E. High Lighting efficiency, tremendous energy saving, green and environment friendly;
- F. Convenient Lighting angle adjustment, fixed-pitch distance is adjustable and easy to install and alter.

### ◆ LED lamp dimension specification

LED lamp dimension: 345x320x250mm.



(All the pictures are only for your reference, please prevail in kind)

## LED Tunnel light



### Technical Parameters

Input Voltage	100-240VAC
Frequency Range	50-60Hz
Power Factor	> 0.95
Total Harmonic Distortion (THD)	< 15%
Power Efficiency	≥ 90%
Led Working Voltage	48VDC
LED consumption	50W
Subtotal Lamp's power consumption	60W
Light fixture Luminous Efficiency (lm/w)	≥ 70 lm/w
Color temperature (CCT)	PW: 5000-5800K; WW: 4000-4500K
Color index (CRI)	> 65
Junction Temperature (Tj)	60 °C ± 1.0% (Ta = 25°C, without wind)
Working temperature	-30 °C ~ 50 °C
Working Humidity	10 % ~ 90 % RH
Working life	> 50,000Hrs
Light Body & lampshade Material	Aluminum Alloy and PC
Net weight (includes accessories)	9.2kg
IP Rating	IP65
The suggested height	5m-6m (Tunnel)

(For detail parameter, please refer to the specification)



**Attentions!**

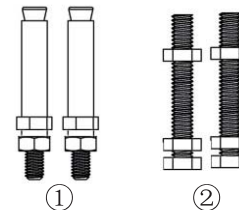
**Please use in the range of specified voltage**

Higher or lower voltage over extended period of time results in overheating and damage

## LED Tunnel light



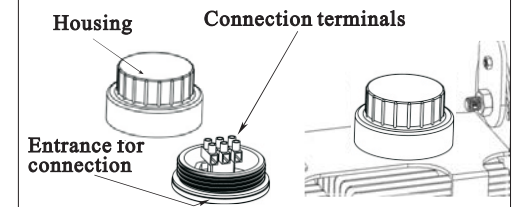
### Options for Lamp Accessories



#### Options for tap bolt

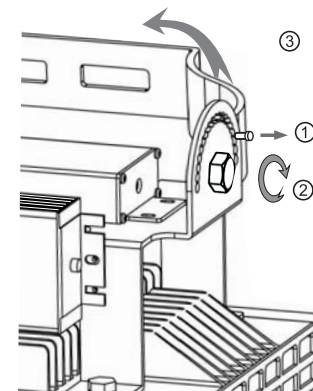
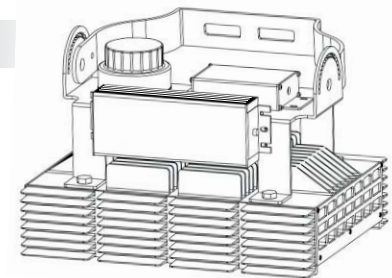
- ① Expansion Bolts: Apply to fixing Light on the wall
- ② M12\*80 Bolts: Apply to fixing light on metallic bracket

**Options for Junction box**  
Optional Junctional Boxes may be used for specific installation requirement. Please refer the connection method as detailed.



### Installation instruction

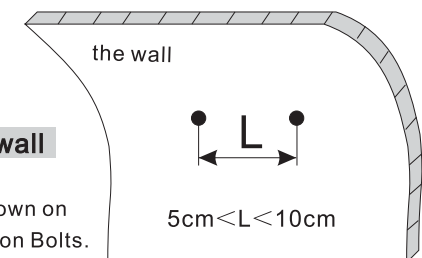
- ➔ 1、Open the package box, take out the Tunnel light;



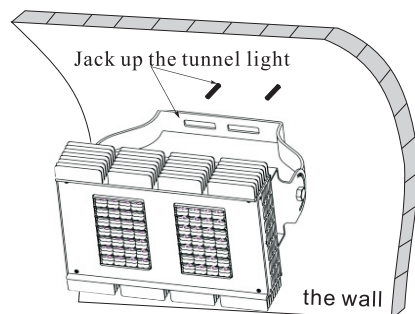
- ➔ 2、Adjust angle of bracket for easily picking up lamps
- ① Loosen adjustable bolts
- ② Loosen bolts of bracket till to be able to turn the bracket
- ③ Adjust the bracket and lamp angle properly, then lock the adjustable bolts and bolts of bracket.

#### A、The lamp is fixed in the wall

- ➔ A1、Punch in the wall as L size shown on the right and Lock M12 Expansion Bolts.



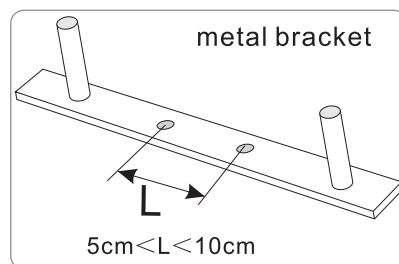
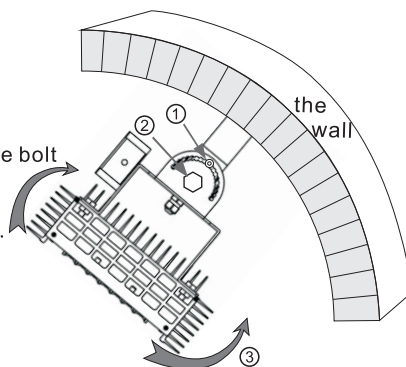
## LED Tunnel light



A2、Jack up the tunnel lights, penetrate M12 bolts from the fixed holes bracket, connect with metal bracket, cover the spring washer and cushion, then lock nut. the torsion on the screw is 29 Nm.

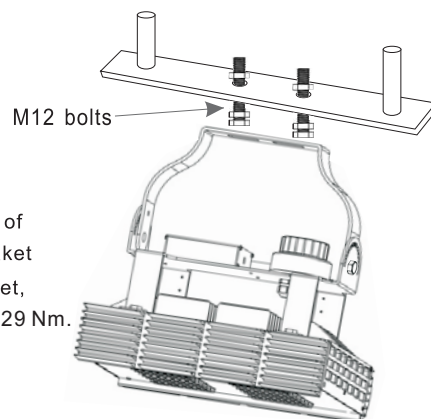
### A3、Angle adjustment

- ① Jack up lamp body, loosen the adjustable bolt
- ② Loosen bolts, turn the lamp body
- ③ If need to adjust the angle, lock the nuts.



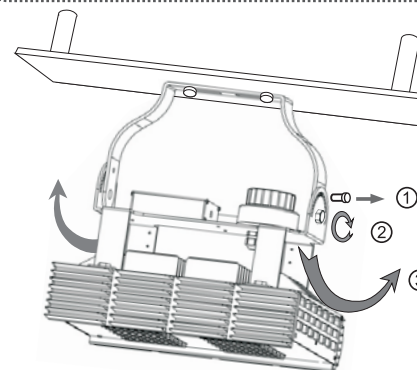
### B、Fixed in the metal bracket

B1、Punch a hole in the metal bracket as L size shown by left.



B2、Penetrate M12 bolts from the fixed-hole of the bracket bolts to connected with metal bracket and then put on string gasket and plain gasket, then lock the nut. the torsion on the screws is 29 Nm.

## LED Tunnel light



### A3、Angle adjustment

- ① Jack up lamp body, loosen the adjustable bolt
- ② Loosen bolts, turn the lamp body
- ③ If need to adjust the angle, lock the nuts.

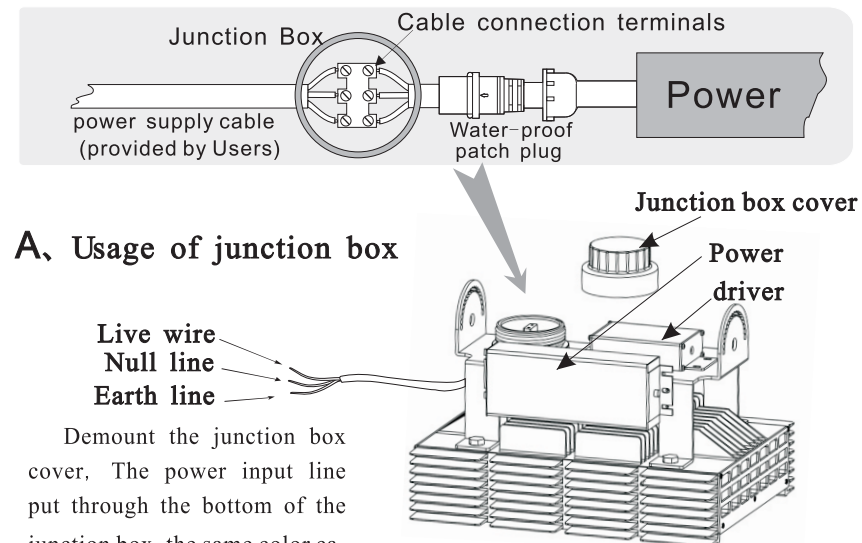
## Connection method



Warnings!

It is advised only trained and experience personnel should undertake installation and start up.

(Safety risk if installation and start up is undertaken by others)



### A、Usage of junction box

Demount the junction box cover, The power input line put through the bottom of the junction box, the same color cables correspondingly connect to the cable connection terminals, and finally lock the screw.



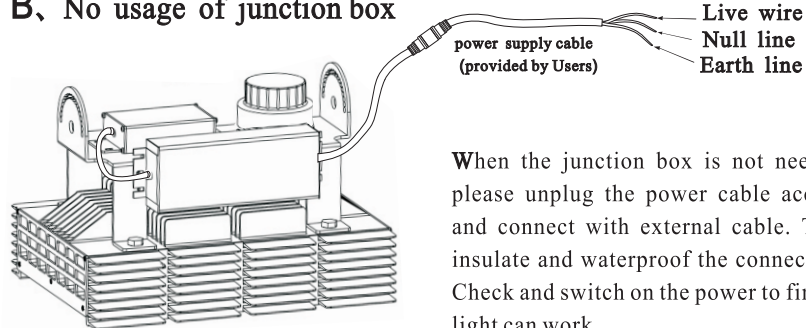
Attention

Please be sure to screw the junction box cover, so as to avoid any problems due to leaks!

## LED Tunnel light

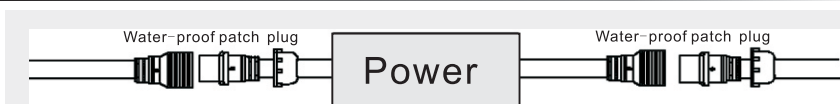


### B. No usage of junction box



When the junction box is not needed, please unplug the power cable access, and connect with external cable. Then insulate and waterproof the connection. Check and switch on the power to finally light can work

### ◆ Replacement for Power and maintenance



**In case of power outages, unplug the water-proof plug on both sides and replace.**

If the light unit malfunctions due to manufacturing quality problem during normal usage, free replacement will be provided within 10 days of purchase.

For light malfunction such as flashing, No light or other defects, please contact professional maintenance points or directly return to the company for repair/ replacement. Please ensure only trained and experienced personnel are involved in handling the light.

### ◆ Product BOM list

- |   |      |
|---|------|
| 1. LED Tunnel (including bracket) -----                     | 1Pcs |
| 2. Installation parts-----                                  | 1Pcs |
| a   Expansion Bolts M12*80                                  | 2Pcs |
| b   Bolts M12*80 (including spring washer and plain washer) | 2Pcs |
| c   M12 nut   | 4Pcs |
| 3. Warranty card -----                                      | 1Pcs |
| 4. Certificate-----   | 1Pcs |
| 5. Use Instructions -----                                   | 1Pcs |



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