

# LED Shoebox Light Instruction

## Cautions:

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. To avoid electrical shock and damage, please do not install the lights in raining days.

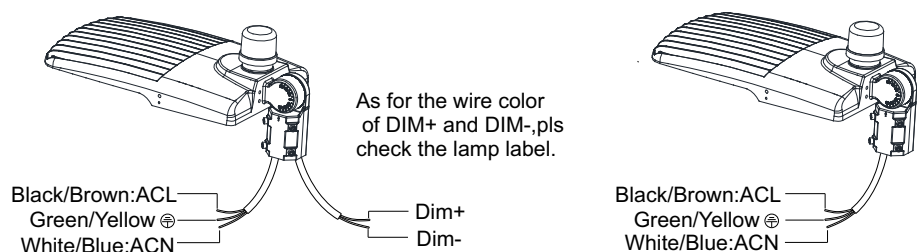
## Notices:

1. To prevent from electric shock or fire risk, the installation must be conducted by operator who have professional electrical knowledge.
2. Please wear gloves to avoid injury before installing lamps.
3. During or after installation, if there are situations such as smoke, fire in the wires or lamps, please turn off the power immediately and notify relevant personnel of an overhaul.
4. This light can be used for outdoor installation.

## Instructions:

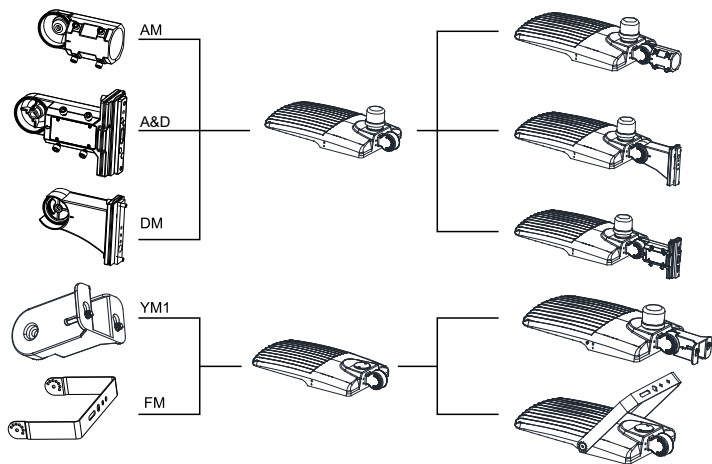
1. This product has dimming and non-dimming function, which differs in installation ways.
2. 3 dimming functions are available in this shoebox light:
  - (1). Constant current can be achieved by 1-10VDC dimming.
  - (2). PWM signal dimming.
  - (3). Variation of resistance unit dimming (Please choose the appropriate dimming way according to your needs. You can also choose not to use this function).
3. Choose the wire connection ways, dimming ways and installation ways according to your needs and the led fixture purchased.

## Wiring Diagram:



## Optional Brackets and Installation Instructions

There are 5 optional brackets for this fixture. The following is shoebox fixtures with different brackets



## Installation Instructions with different brackets:

### 1. ADJUSTABLE FITTER MOUNTING (AM)

- Step 1: Remove the bracket mounting screws on the fixture and run the wires through the bracket. (Figure 1)
- Step 2: Install the bracket on the fixture. (Figure 2)

### 2. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

- Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 3)
- Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 4)

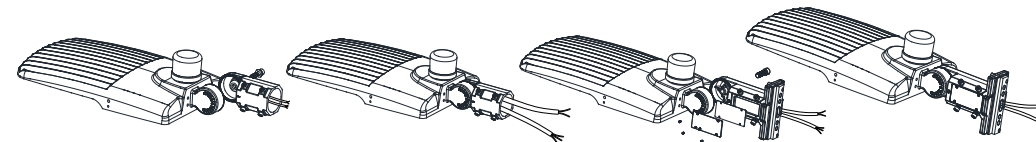


Figure 1

Figure 2

Figure 3

Figure 4

### 3. DIRECT MOUNTING (DM)

- Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 5)
- Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 6)

### 4. YOKE MOUNTING (YM1)

- Step 1: Remove the bracket mounting screws on the fixture and run the wires through the bracket. (Figure 7)
- Step 2: Install the bracket on the fixture. (Figure 8)

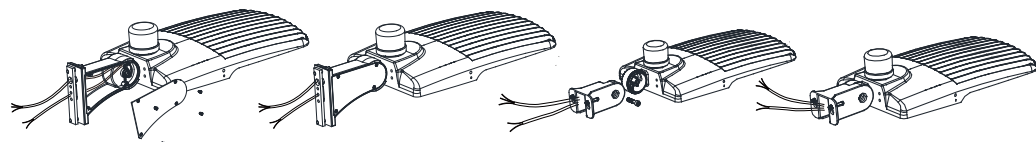


Figure 5

Figure 6

Figure 7

Figure 8

### 5. FLOOD MOUNTING (FM)

- Step 1: First install two big screwst. (Figure 9)
- Step 2: Install two small screws. (Figure 10)

## Installation of LED Lamps:

### 1. ADJUSTABLE FITTER MOUNTING (AM)

- Step 1: Loosen the four bolts on AM bracket, connect the wires correctly, and pull the wires into the poles. (Figure 11)
  - Step 2: Place the bracket into the pole and lock the four bolts. (Figure 12)
- Notice: Adjustable angle is 0-90° (Figure 11)

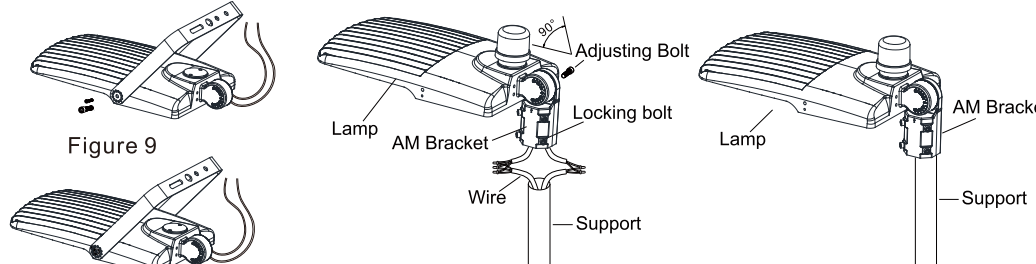


Figure 9

Figure 10

Figure 11

Figure 12

## 2. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

### 2.1 ADJUSTABLE FITTER MOUNTING

- Step 1: Remove the spare parts from A&D bracket. (Figure 13).
  - Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the poles. (Figure 14)
  - Step 3: Place the bracket into the pole and lock the four bolts. (Figure 14)
- Notice: Adjustable angle is 0-90° (Figure 14)



Figure 13

Figure 14

### 2.2 DIRECT MOUNTING

- Step 1: Remove the four bolts from A&D bracket, remove the four rubber plugs from installation bar, put the four rubber plugs on the place where the four bolts were previously placed on the bracket for waterproof purpose. (Figure 15)
- Step 2: Fix A&D bracket to square pole with bolt, open the cover of A&D bracket junction box, pull the wire into bracket junction box, connect the wire properly and cover the junction box. (Figure 16)

Notice: Adjustable angle is 0-90°. (Figure 16)

Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 17)

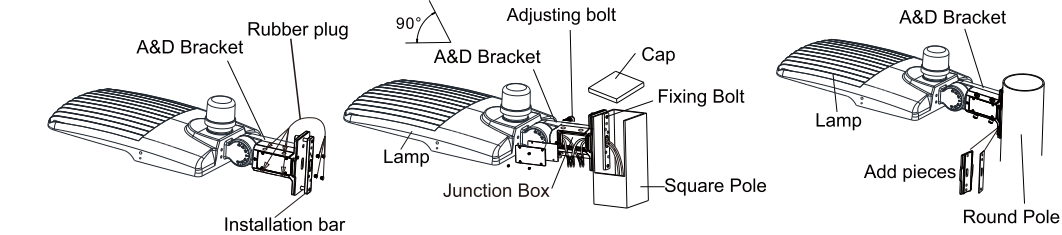


Figure 15

Figure 16

Figure 17

### 3. DIRECT MOUNTING (DM)

- Step 1: Fix DM bracket to square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wire correctly. (Figure 18)
  - Step 2: Put the connected wire into the junction box, then cover the junction box. (Figure 19)
- Notice: Adjustable angle is 0-35° (Figure 18).  
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 20)

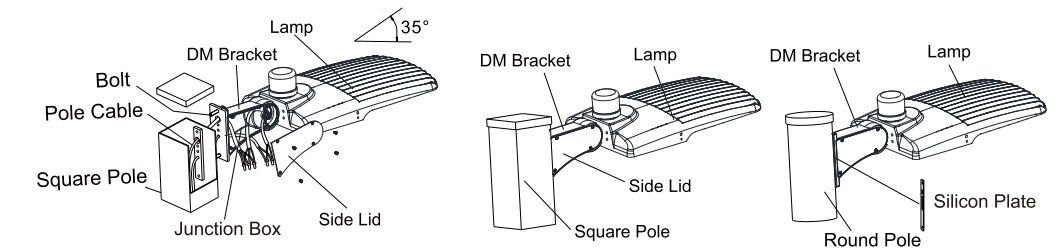


Figure 18

Figure 19

Figure 20

#### 4. YOKE MOUNTING (YM1)

Step 1: Drill holes on the wall as shown. (Figure 21)

Step 2: Knock the expansion bolts into the wall.(Figure 22)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 23)

Notice: Adjustable angle is 0-90°(Figure 23)

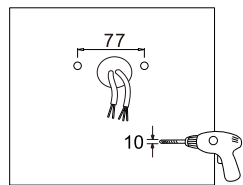


Figure 21

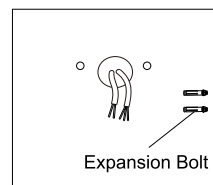


Figure 22

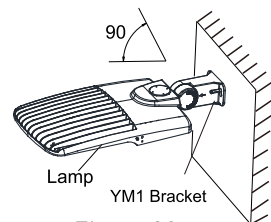
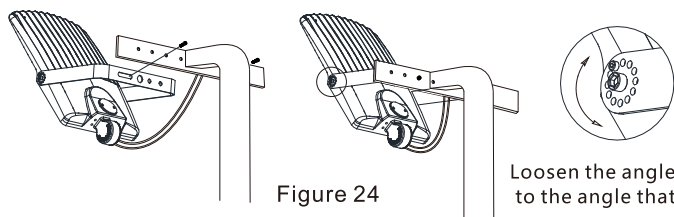


Figure 23

#### 5. FLOOD MOUNTING (FM)

Install the mount to the fixture, tighten the mount and install the screws. (Figure 24)



Loosen the angle to adjust the screw, after adjust to the angle that you need, then tighten the screws.

#### Instructions for Photocell

When the photocell function is required, photocell should be installed on the back of lamp; When it's not required, shorting cap should be installed on the back of lamp (Figure 25)

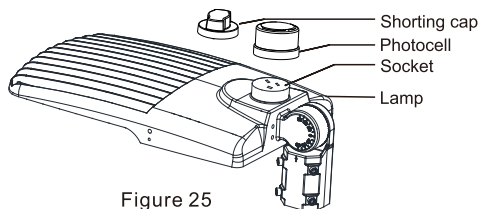


Figure 25

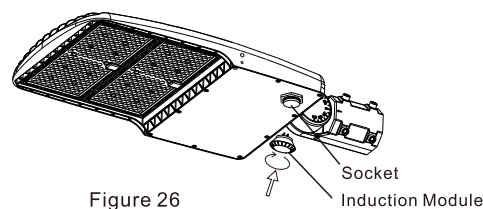


Figure 26

#### Standard wire:

L/live wire: Black\Brown;

N/null wire: White\Blue;

Ground wire: Green\Yellow-green.

#### Instructions for Motion Sensor

For products with motion sensor function, the induction module should be installed on the socket of the motion sensor.(Figure 26)

Step 1: Adjust the induction module to align the arrows above.(Figure 27)

Step 2: Insert the induction module into the sensor socket. Note that the direction should be aligned as shown.(Figure 28)

Step 3: Turn the induction module clockwise until it is tight. (Figure 26)

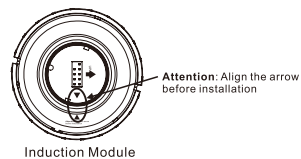


Figure 27

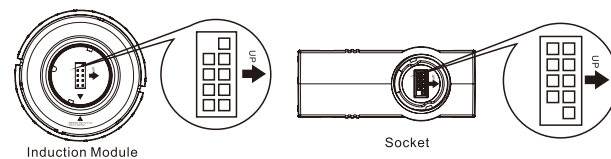


Figure 28

#### Parameter setting by DIP Switch

Step 1: Use a screwdriver to remove the screws from the power cover.(Figure 29)

Step 2: Open the power cover(Figure 30)

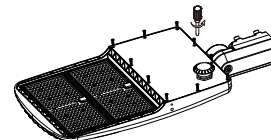


Figure 29

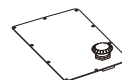


Figure 30

Step 3: Consider the picture, parameter setting by DIP Switch: 1,2 set sensitivity;3,4 set hold time; 5,6 set the lux;7,8 set stand-by light level;9,10 set stand-by time. (Figure 31)

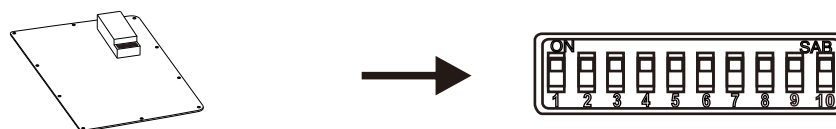
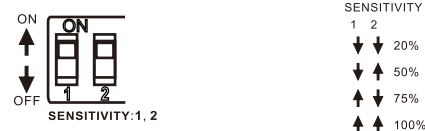


Figure 31

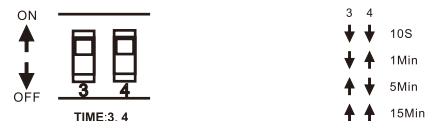
#### Detection Range Setting (sensitivity)

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 40ft, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:



#### Hold Time Setting

The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:



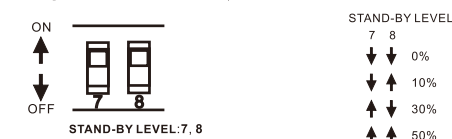
#### Light-control Setting

The chosen light response threshold can be infinitely from approx. 10-50lux, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and light-control of the corresponding table is as follows:



#### Stand-by Light Level Setting

Switch to the on is "↑", switch to the off is "↓"; he corresponding file of switch location and detection distance as follow:



#### Stand-by Time Setting

File of switch location and detection distance as follow: file of switch location and detection distance as follow:



#### Parameter setting by remote control (RC-100)

	BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
	ON/OFF	Press the ON/OFF button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (MUST press TEST button to quit this mode for Setting).	AUTO	Press the AUTO button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.
	DISP	Display the current/lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters).	TEST 2s	The button TEST is for testing purpose sensitivity only, after you choose sensitivity thresholds, then you press TEST button, The sensor goes to test mode(hold time is only 2s) automatically ,meanwhile the stand-by period and daylight sensor are disabled. Press AUTO button to quit from this mode.
	RESET	Press the RESET button, all settings go back to settings of dip Switch in sensor.	← →	Navigate to LEFT and RIGHT for choose selected parameters in LED indicators.
	▲ ▼	Enter in the setting condition, the parameter leds of remote control will flash to be selected, and Navigate to UP and Down for choose selected parameters in LED indicators.	◀ ▶	Navigate to LEFT and RIGHT for choose selected parameters in LED indicators.
	OK	Confirm the selected parameters selected parameters in remote control.	⏏	Press the OK or OFF button, Enter in the setting condition, the parameter leds of remote control will flash to be selected, Press TEST for open or close smart day sensor that turn off/on light automatically according to the change of natural light level.
	SEND	Press the SEND button, upload the current parameters to sensor(s), the led light which the sensor connects will on/off as confirm.		
	MODE1 MODE2 MODE3 MODE4	4 Scene modes with preset parameters which are available to be changed and saved in modes.		

#### WARNING

**NOTE:** Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds, then go to dimming to work normally.

**NOTE:** Factory Default Setting: 100% sensitivity, Hold on time: 10seconds, Daylight sensor is 30lux, Dimming level: 30%,Dimming time: 60minutes.

**NOTE:** Any setting changed by DIP Switch or remote control, the led light that sensor connect will on/off as confirm.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. CAUTION - RISK OF FIRE. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR MIN 75°C SUPPLY CONDUCTORS

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS ATTENTION - RISQUE D'INCENDIE. CONSULTER UN ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS LES FILS D'ALIMENTATION 75 °C MIN