

## **LED SHOEBOX LIGHT INSTALLATION INSTRUCTIONS**

### **Cautions:**

1. Do not use any electric generator to test this LED light.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.
5. Make the lighting facing downward vertically after installation

### **Notice:**

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

### **Attention:**

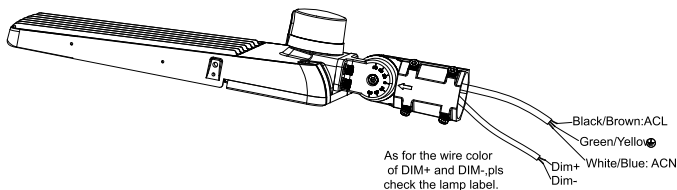
1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are present.

After confirmation, install the fixture according to installation steps.

### **Instructions:**

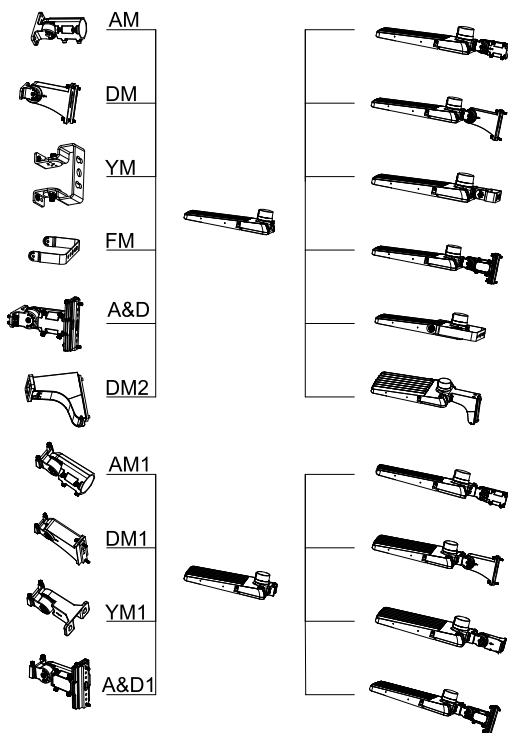
1. This product has dimming function.
2. 3 dimming functions are available in this LED light.
  - Constant current can be achieved by 0-10VDC or 1-10VDC dimming.
  - PWM signal dimming.
  - Variation of resistance unit dimming (Please choose the appropriate dimming way according to your needs. You can 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 10 optional brackets for this fixture. The following is shoebox fixtures with different brackets.

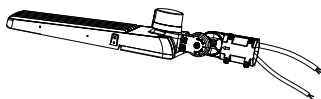


## Installation Instructions with different brackets

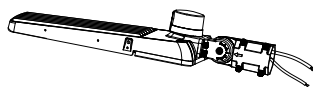
### 1.AJUSTABLE FITTER MOUNTING (AM)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 1)

Step 2: Install the bracket on the fixture. (Figure 2)



(Figure 1)

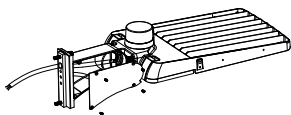


(Figure 2)

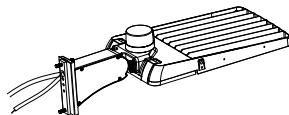
### 2.DIRECT MOUNTING (DM)

Step 1: Remove the bracket mounting screws on the fixture,open the side lid of bracket and pass 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 3)

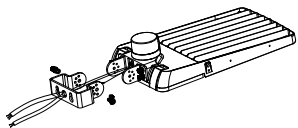


(Figure 4)

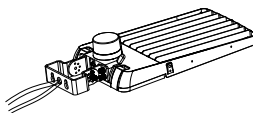
### 3.YOKE MOUNTING (YM)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 5)

Step 2: Install the bracket on the fixture. (Figure 6)



(Figure 5)

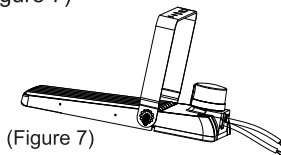


(Figure 6)

#### 4. FLOOD MOUNTING (FM)

Step 1: First install two big screws. (Figure 7)

Step 2: Install two small screws. (Figure 7)

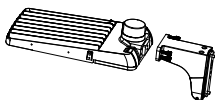


(Figure 7)

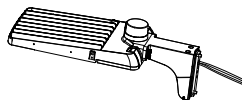
#### 5. DIRECT MOUNTING (DM2)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 8)

Step 2: Install the bracket on the fixture. (Figure 9)



(Figure 8)

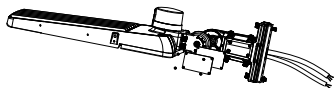


(Figure 9)

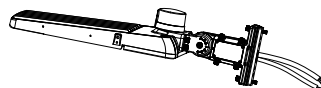
#### 6. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 10)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 11)



(Figure 10)

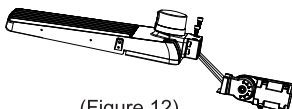


(Figure 11)

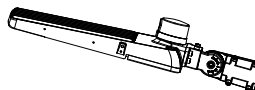
#### 7. ADJUSTABLE FITTER MOUNTING (AM1)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 12)

Step 2: Install the bracket on the fixture. (Figure 13)



(Figure 12)

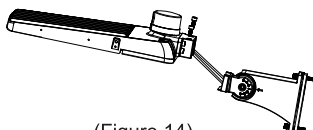


(Figure 13)

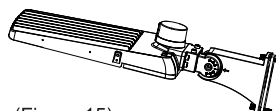
#### 8. ADIRECT MOUNTING (DM1)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and pass the wires through the bracket. (Figure 14)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 15)



(Figure 14)

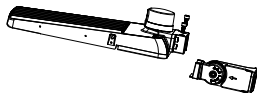


(Figure 15)

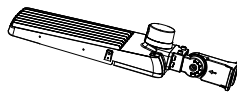
## 9. YOKE MOUNTING (YM1)

Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 16)

Step 2: Install the bracket on the fixture. (Figure 17)



(Figure 16)

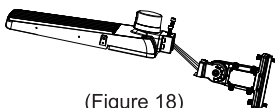


(Figure 17)

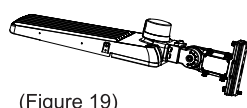
## 10. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D1)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 18)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 19)



(Figure 18)



(Figure 19)

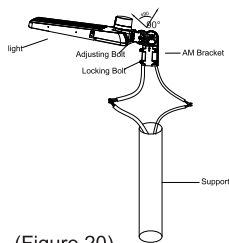
## Installation of LED light:

### 1. ADJUSTABLE FITTER MOUNTING (AM)

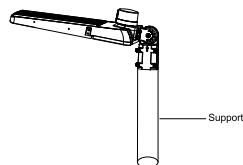
Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 20)

Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed. (Figure 21)

Notice: Adjustable angle is 0~+/-90° (Figure 20)



(Figure 20)



(Figure 21)

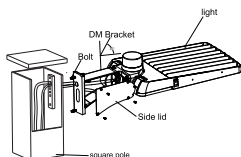
### 2. DIRECT MOUNTING (DM)

Step 1: Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 22)

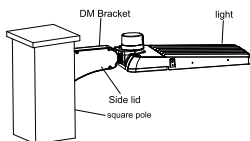
Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 23)

Notice: Adjustable angle range is 0-35° (Figure 22)

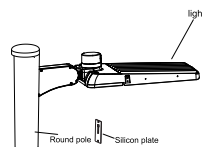
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 24)



(Figure 22)



(Figure 23)



(Figure 24)

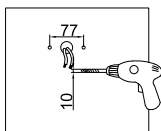
### 3.YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown in( Figure 25)

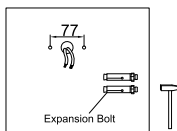
Step 2: Knock the expansion bolts into the wall.(Figure 26)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box.(Figure27)

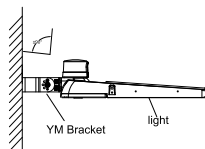
Notice: Adjustable angle is  $0^{\circ} \sim \pm 90^{\circ}$  (Figure 27)



(Figure 25)



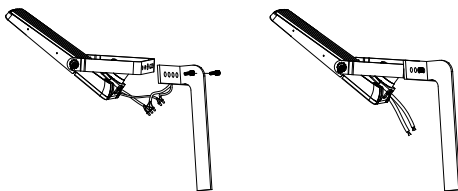
(Figure 26)



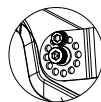
(Figure 27)

### 4.FLOOD MOUNTING (FM)

Install the mount to the fixture, tighten the mount and install the screws. Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box( Figure 28)



(Figure 28)



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

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

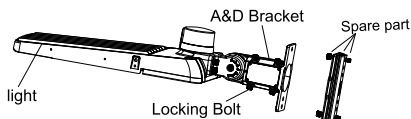
#### 5.1 ADJUSTABLE FITTER MOUNTING

Step 1: Remove the spare parts from A&D bracket (Figure 29)

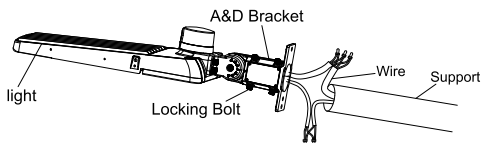
Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 30)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 30)

Notice: Adjustable angle range is  $0^{\circ} \sim \pm 90^{\circ}$  (Figure 30)



(Figure 29)



(Figure 30)

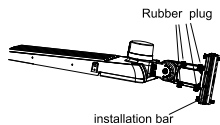
#### 5.2 DIRECT MOUNTING

Step 1: Remove the four bolts from A&D bracket, remove the four rubber 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 31)

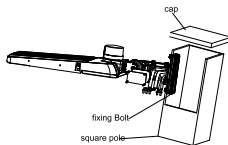
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure 32)

Notice: Adjustable angle range is  $0^{\circ} \sim \pm 90^{\circ}$  (Figure 33)

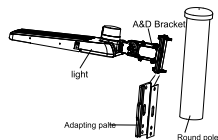
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 33)



(Figure 31)



(Figure 32)



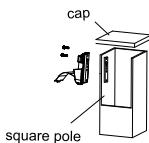
(Figure 33)

## 6. MOUNTING BRACKET INSTALLATION (DM2)

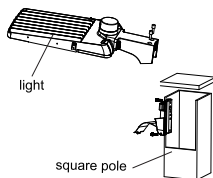
Step 1: The base has hole patterns that are compatible with most existing pole drill holes.

If necessary, drill new holes in pole. Feed supply wires from inside the pole through the mounting bracket base. (Figure 34)

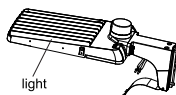
Step 2: Fix DM2 bracket to square pole with bolt, Put the connected wire into Pole. Same as round pole installation, please remember to use the adapting plate for round pole installation. (Figure 34~38)



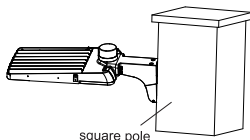
(Figure 34)



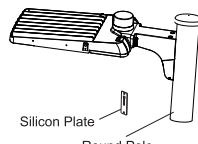
(Figure 35)



(Figure 36)



(Figure 37)



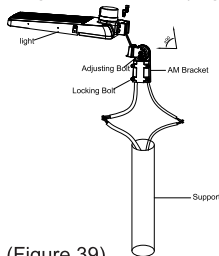
(Figure 38)

## 7. ADJUSTABLE FITTER MOUNTING (AM1)

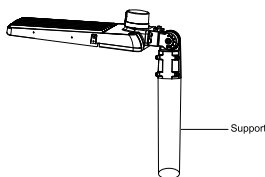
Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 39)

Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed. (Figure 40)

Notice: Adjustable angle is 0~+/-90° (Figure 39)



(Figure 39)



(Figure 40)

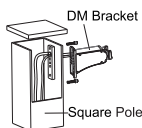
## 8. DIRECT MOUNTING (DM1)

Step 1: Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 41, 42)

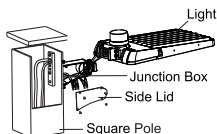
Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 43)

Notice: Adjustable angle range is 0-35° (Figure 42)

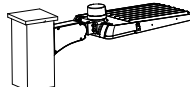
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 44)



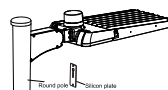
(Figure 41)



(Figure 42)



(Figure 43)



(Figure 44)

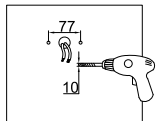
## 9.YOKE MOUNTING (YM1)

Step 1: Drill holes on the wall as shown in (Figure 45)

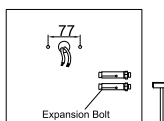
Step 2: Knock the expansion bolts into the wall.(Figure 46)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box.(Figure 47)

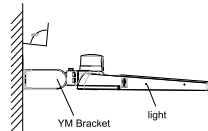
Notice: Adjustable angle is  $0^{\circ} \sim \pm 90^{\circ}$  (Figure 47)



(Figure 45)



(Figure 46)



(Figure 47)

## 10.ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D1)

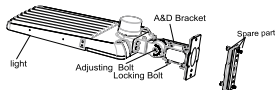
### 10.1 ADJUSTABLE FITTER MOUNTING

Step 1: Remove the spare parts from A&D bracket (Figure 48)

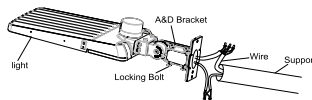
Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 49)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 49)

Notice: Adjustable angle range is  $0^{\circ} \sim \pm 90^{\circ}$  (Figure 49)



(Figure 48)



(Figure 49)

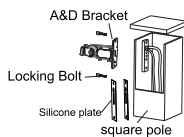
### 10.2 DIRECT MOUNTING

Step 1: Firstly remove the screws from the bracket, then remove the round rod adapter plate from the bracket, finally fix it on the square pole rod (Figure 50)

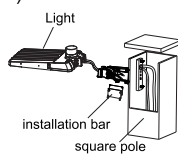
Step 2: Fix the A&D bracket to the square pole with bolt, open the cover of A&D bracket junction box, pull the wires into bracket junction box, connect the wires properly and cover the junction box (Figure 51)

Notice: Adjustable angle range is  $0^{\circ} \sim \pm 90^{\circ}$  (Figure 52)

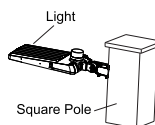
Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 53)



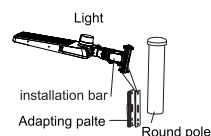
(Figure 50)



(Figure 51)



(Figure 52)

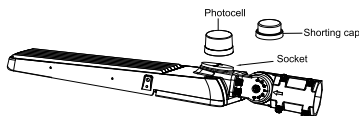


(Figure 53)

## INSTRUCTIONS FOR PHOTOCELL

When the photocell function is required, photocell should be installed on the back of light; When it's not required, shorting cap should be installed on the back of light Standard wire: (Figure 54)

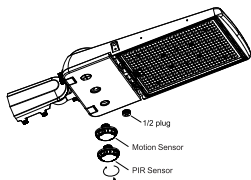
L/live wire: Black\Brown; N/null wire: White\Blue; Ground wire: Green\Yellow-green.



(Figure 54)

#### Instructions for Motion Sensor or PIR sensor (figure 55)

1. Unscrew the 1/2 plug;
2. For products with motion sensor or PIR sensor function, the induction module should be installed on the socket ;

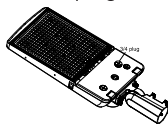


(Figure 55)

#### Special Functions Optional:

##### 1. Color temperature adjustment (figure 56)

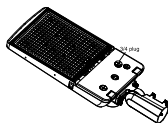
1. Unscrew the 3/4 plug ;
2. Adjust the switch to get the desired color temperature according to the label on the fixture;
3. Install and tighten the 3/4 plug;



(Figure 56)

##### 2. Wattage adjustment (figure 57)

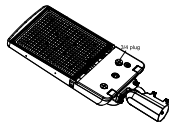
1. Unscrew the 3/4 ;
2. Adjust the switch to get the desired Wattage according to the label on the fixture;
3. Install and tighten the 3/4 plug;



(Figure 57)

##### 3. CCT & Wattage adjustment (figure 58 )

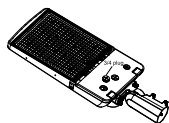
1. Unscrew the 3/4 plug ;
2. Adjust the integrated switch for CCT & Wattage adjustable to get the desired CCT and Wattage according to the label on the fixture;
3. Install and tighten the 3/4 plug;



(Figure 58)

##### 4. Beam angle adjustment (figure 59)

1. Unscrew the 3/4 plug ;
2. Adjust the beam angle adjustable switch to get the desired beam angle;
3. Install and tighten the 3/4 plug;



(Figure 59)