



# LED Area Light Instructions

Cat# 74000A thru 74031A / Cat# 74045A thru 74071A  
Cat# 74079A thru 74080A

### Cautions:

- 1. Please follow NEC regulations when installing this fixture. Make sure power is off before installation or service.

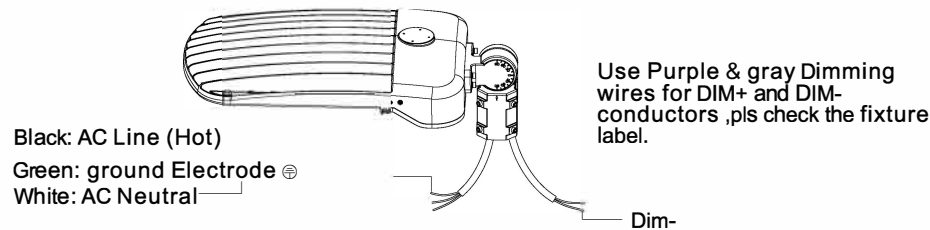
### Notices:

- 1. This fixture must be installed by a professional licensed electrician
- 2. Please wear gloves to avoid injury before installing.
- 3. This light can be used for outdoor installation.

### Instructions:

- 1. This product has dimming function.
- 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). Variable resistance dimming(Please choose the appropriate dimming method for your needs. You can also choose not to use this function

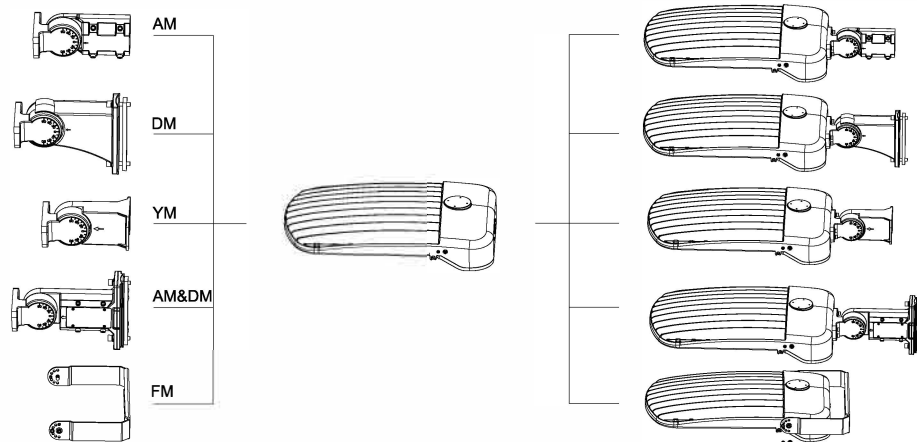
### Wiring Diagram:



Use Purple & gray Dimming wires for DIM+ and DIM- conductors, pls check the fixture label.

### Optional Brackets and Installation Instructions:

There are 5 mounting options for this fixture:



### Installation Instructions with different brackets:

#### 1. ADJUSTABLE SLIPFITTER MOUNTING

- Step 1: Remove the slipfitter mounting screws on the fixture and feed the supply wires through the slipfitter. (Figure 1)
- Step 2: Install the slipfitter on the fixture, adjust angle as required and tighten securely. (Figure 2)

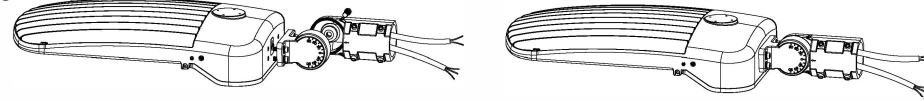


Figure 1

Figure 2

#### 2. POLE ARM MOUNTING

- Step 1: Remove the pole arm mounting screws on the fixture, open the side cover of pole arm mount and feed the supply wires through the pole arm. (Figure 3)
- Step 2: Install the bracket on the fixture, then close the side cover and tighten securely. (Figure 4)

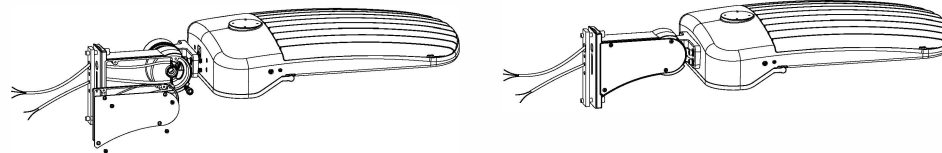


Figure 3

Figure 4

#### 3. YOKE. FuMOUNTING (YM)

- Step 1: Remove the bracket mounting screws on the fixture and run the wires through the bracket. (Figure 5)
- Step 2: Install the bracket on the fixture. (Figure 6)

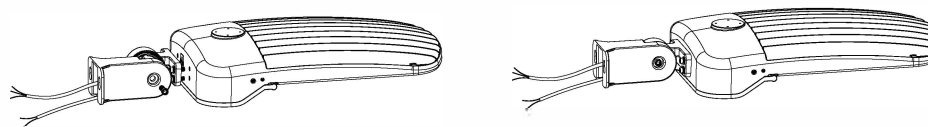


Figure 5

Figure 6

#### 4. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (AM&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 7)
- Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 8)

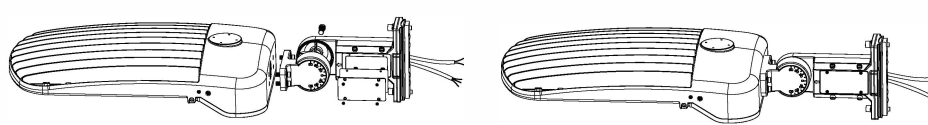


Figure 7

Figure 8

#### 5. FLOOD MOUNTING (FM)

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



Figure 9

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)

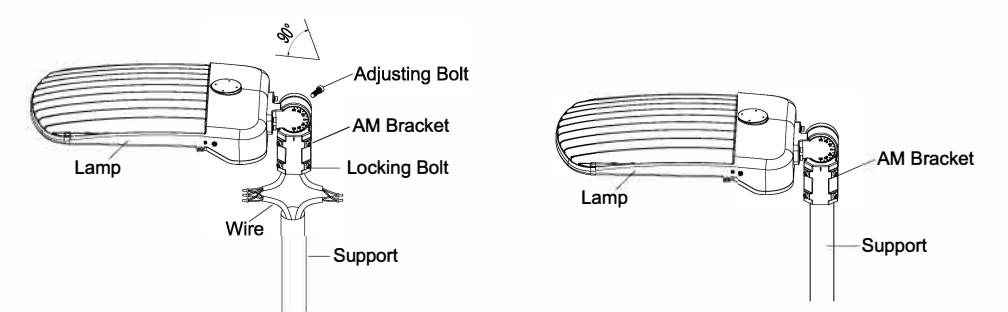


Figure 11

Figure 12

#### 2. 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 13)
- Step 2: Put the connected wire into the junction box, then cover the junction box. (Figure 14)
- Notice: Adjustable angle is 0-35° (Figure 13).
- Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 15)

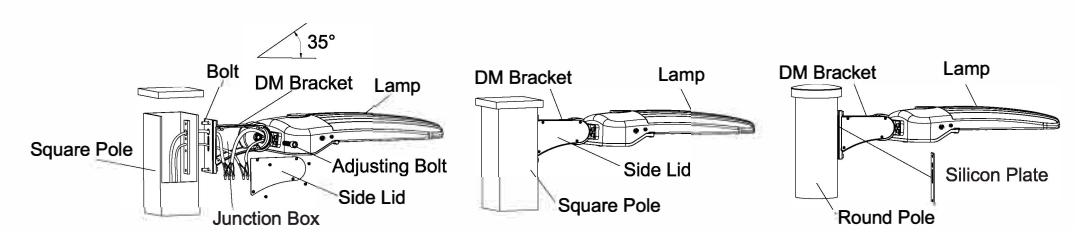


Figure 13

Figure 14

Figure 15

#### 3. YOKE MOUNTING (YM)

- Step 1: Drill holes on the wall as shown. (Figure 16)
- Step 2: Knock the expansion bolts into the wall. (Figure 17)
- Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 18)
- Notice: Adjustable angle is 0-90° (Figure 18)

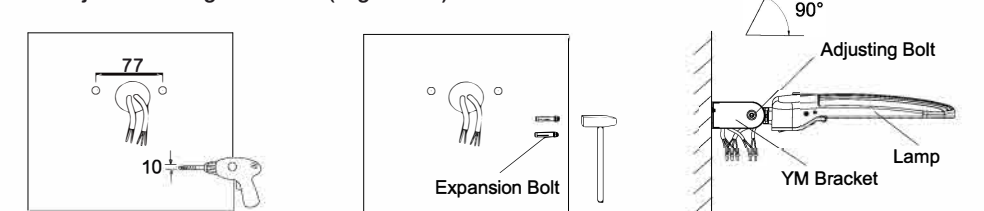


Figure 16

Figure 17

Figure 18

#### 4. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (AM&DM)

##### 4.1 ADJUSTABLE FITTER MOUNTING

Step 1: Remove the spare parts from A&D bracket. (Figure 19)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the poles. (Figure 20)

Step 3: Place the bracket into the pole and lock the four bolts. (Figure 20)

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

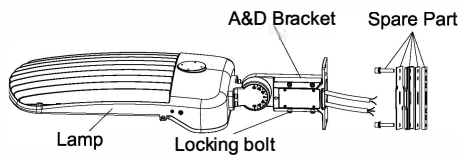


Figure 19

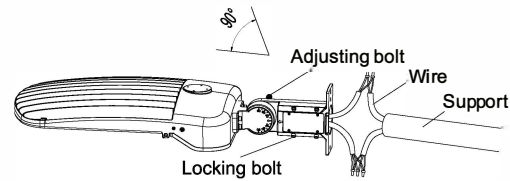


Figure 20

##### 4.2 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 21)

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 22)

Notice: Adjustable angle is 0-90° (Figure 22)

Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 23)

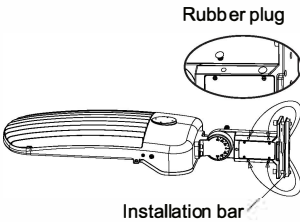


Figure 21

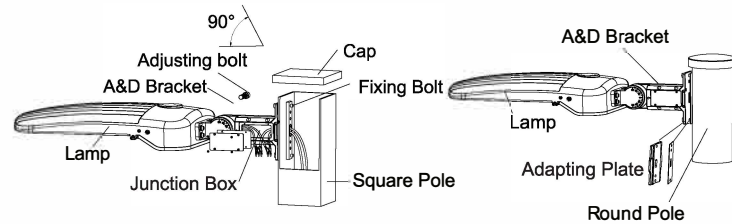


Figure 22

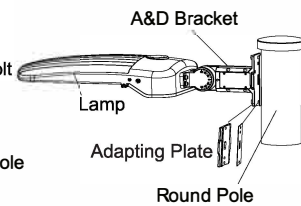


Figure 23

##### 5. FLOOD MOUNTING (FM)

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

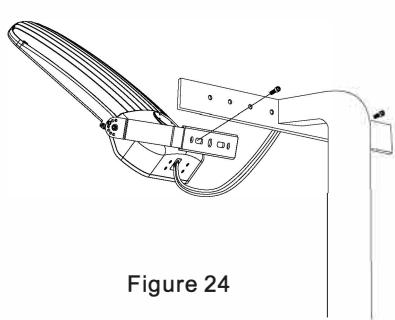
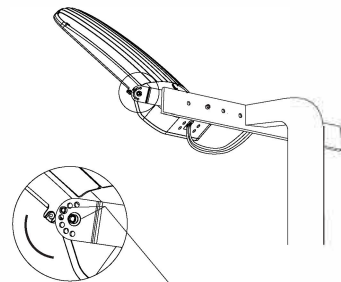


Figure 24



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

#### Standard wire:

L/live wire: Black\Brown;

N/null wire: White\Blue;

Ground wire: Green\Yellow-green.

#### MIN 75 °C SUPPLY CONDUCTOR

**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.**

#### LES FILS D'ALIMENTATION 75 °C MIN

**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.**

#### 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)

#### Instructions for Motion sensor

Open the cover above motion sensor by loosen the screws

Set the motion sensor through DIP switches as per actual requirements

Lock the cover above the motion sensor through screws. (Figure 26)

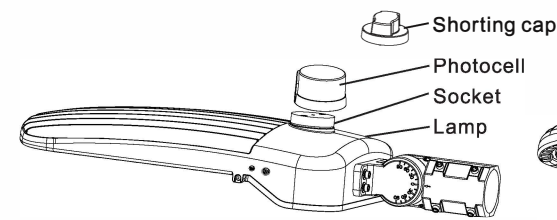


Figure 25

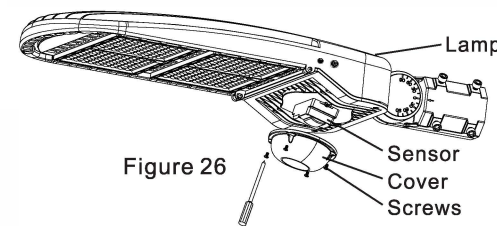
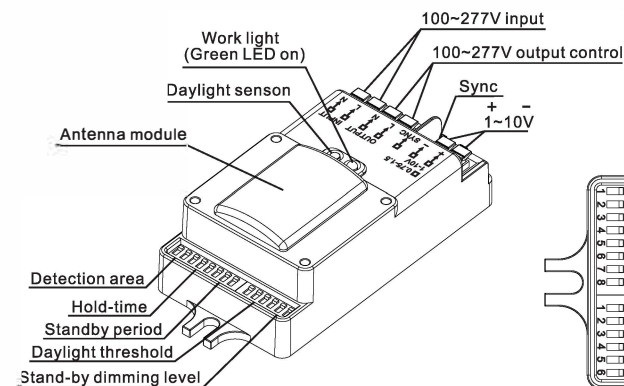


Figure 26

#### Structure of motion sensor



#### Function of DIP switches:

ON I		1	2	
	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
IV	-	-	-	10%

Detection area  
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.  
Factory setting: I

ON I		3	4	5	
	I	ON	ON	ON	5s
	II	-	ON	ON	30s
	III	ON	-	ON	90s
	IV	-	-	ON	3min
	V	ON	ON	-	20min
VI	-	-	-	+∞	

Hold time  
Refers to the time period the lamp remains at 100% illumination after no motion detected.  
Factory setting: I

ON I		6	7	8	
	I	ON	ON	ON	0s
	II	-	ON	ON	5s
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
VII	-	-	-	+∞	

Stand-by period  
Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.  
When set to "+∞" mode, the low light is maintained until motion is detected.  
Factory setting: I

ON I		1	2	3	4	
	I	-	-	ON	ON	2Lux
	II	-	-	-	ON	5Lux
	III	-	ON	ON	-	10Lux
	IV	-	-	ON	-	25Lux
	V	-	ON	-	-	50Lux
	VI	ON	-	-	-	100Lux
VII	-	-	-	-	Disable	

Daylight sensor  
The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.  
When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.  
50lux, 30lux: twilight operation, 10lux, 5lux: operation only.  
Note that daylight sensor is active only when lamp totally switches off.  
Factory setting: VII

ON I		5	6	
	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
IV	-	-	-	10%

Stand-by dimming level  
The low light level you would like to have after the hold time in the long absence of people.  
Factory setting: I