Rev:A1

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 inraining days.

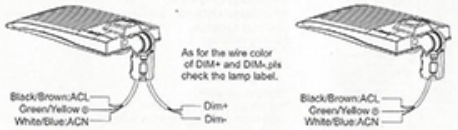
Notices:

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:

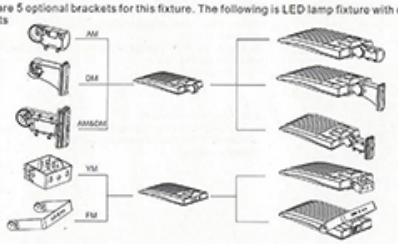
1. This product has dimming and non-dimming function, which differs in installation ways.
2. 3 dimming functions are available in this LED lamp:
   (1). Constant current can be achieved by 1-10VDC dimming.
   (2). PWM signal dimming.
   (3). Variation of resistance unit dimming(Please choose the appropriate 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 LED lamp fixture 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)

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 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)

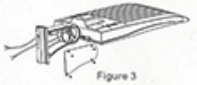


Figure 3

Figure 4

3. YOKE MOUNTING (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)

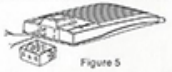


Figure 5

Figure 6

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

Step 1: Remove the bracket mounting screws on the fixture,run the wires through the bracket. (Figure 7)

Step 2: Install the bracket on the fixture, tighten it . (Figure8)

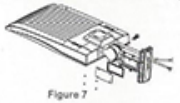


Figure 7

Figure 8

5. FLOOD MOUNTING (FM)

Step 1: First install two big screwst. (Figure 9)

Step 2: Install two small screws. (Figure 10)

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)

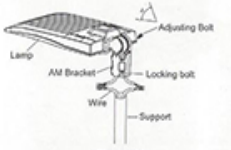


Figure 11

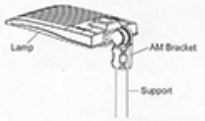


Figure 12

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)

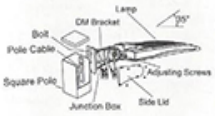


Figure 13

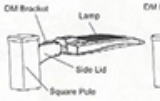


Figure 14

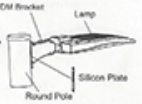


Figure 15

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)

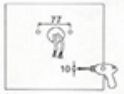


Figure 16

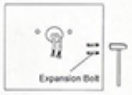


Figure 17

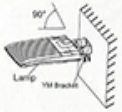


Figure 18

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)

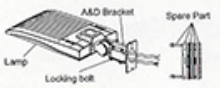


Figure 19

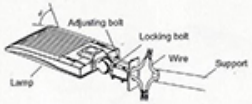


Figure 20

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 fours 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)

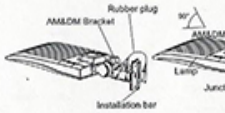


Figure 21

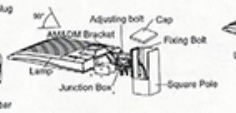


Figure 22

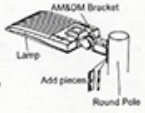


Figure 23

5. FLOOD MOUNTING (FM)

Install the mount to the fixture, tighten the mount and install the screws.

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

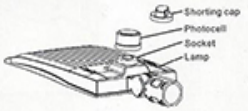
Standard wire:
L/live wire: Black\Brown;
N/null wire: White\Blue;
Ground wire: Green\Yellow-green.

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.

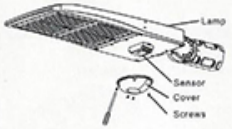
Instructions for Photocell

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

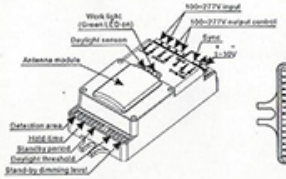


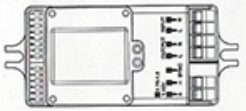
Instructions for Motion sensor

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 wint screws;



Structure of motion sensor





Function of DIP switches:

		1	2	
ON	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

		3	4	5	
ON	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

		6	7	8	
ON	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

		1	2	3	4	
ON	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

		5	6	
ON	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