Rev:A0

LED Shoebox Light Instruction

Cautions:

1. Can not use the electric generator to test the LED light.
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.

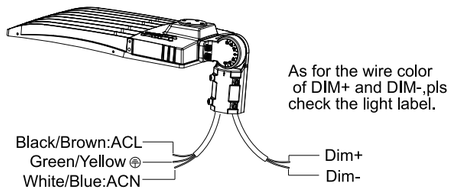
Notices:

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 lights.
3. During or after installation, if there are situations such as smoke, fire in the wires or lights, please turn off the power immediately and notify relevant personnel of an overhaul.
4. This light can be used for outdoor installation.

Instructions:

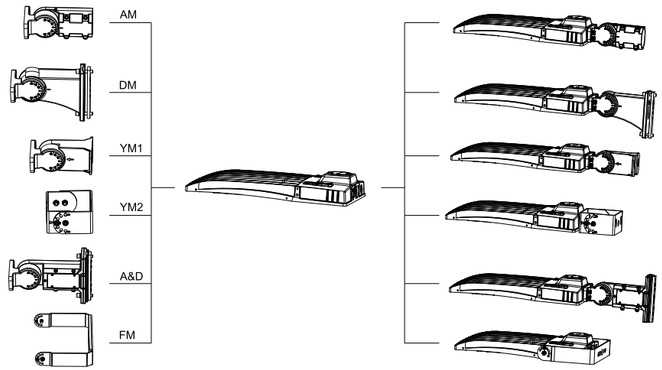
1. This product has dimming function.
2. 3 dimming functions are available in this shoebox light:
(1). Constant current can be achieved by 1-10VDC dimming.
(2). PWM signal dimming.
(3). Variation of resistance unit dimming(Please choose the appropriate dimming way according to your needs. You can also 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 6 optional brackets for this fixture. The following is shoebox fixtures with different brackets



Installation Instructions with different brackets:

1. ADJUSTABLE FITTER MOUNTING (e=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

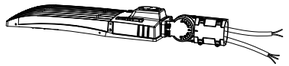


Figure 2

2. DIRECT MOUNTING (e=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)

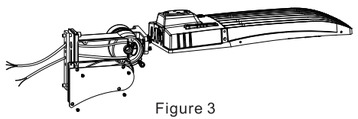


Figure 3

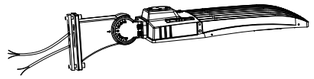


Figure 4

3. YOKE MOUNTING (e=YM1)

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)

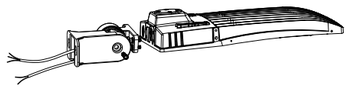


Figure 5


Figure 6

4. YOKE MOUNTING (e=YM2)

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 7


Figure 8

5. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (e=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 9)
Step 2: Install the bracket on the fixture, then cover the side lid and tighten it . (Figure10)


Figure 9

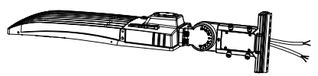


Figure 10

6.FLOOD MOUNTING (e=FM)

Step 1: First install two big screws. (Figure 11)
Step 2: Install two small screws . (Figure 12)


Figure 11


Figure 12

Installation of LED Lights：

1. ADJUSTABLE FITTER MOUNTING (e=AM)

Step 1: Loosen the four bolts on AM bracket, connect the wires correctly, and pull the wires into the poles.(Figure 13)
Step 2: Place the bracket into the pole and lock the four bolts.(Figure 14)
Notice: Adjustable angle is 0-90°(Figure 13)

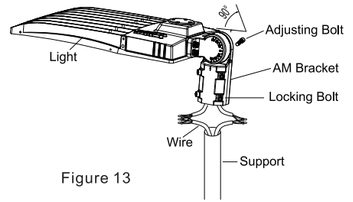


Figure 13

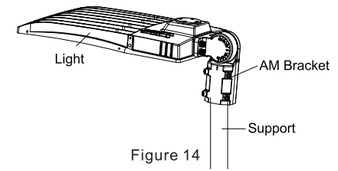


Figure 14

2. DIRECT MOUNTING (e=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 15)
Step 2: Put the connected wire into the junction box, then cover the junction box.(Figure 16)
Notice: Adjustable angle is 0-35°(Figure 15).
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole(Figure 17)

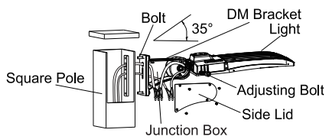


Figure 15

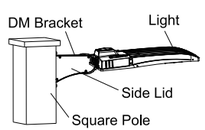


Figure 16

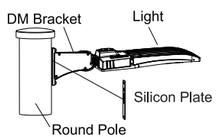


Figure 17

3. YOKE MOUNTING (e=YM1)

Step 1: Drill holes on the wall as shown. (Figure 18)
Step 2: Knock the expansion bolts into the wall.(Figure 19)
Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box.(Figure 20)
Notice: Adjustable angle is 0-90°(Figure 20)

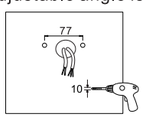


Figure 18

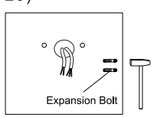


Figure 19

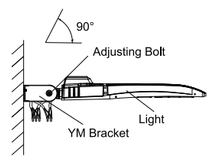


Figure 20

4. YOKE MOUNTING (e=YM2)
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)

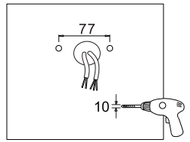


Figure 21

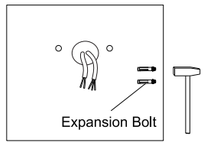


Figure 22

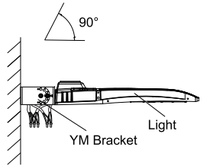


Figure 23

5. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (e=A&D)
5.1 ADJUSTABLE FITTER MOUNTING
Step 1: Remove the spare parts from A&D bracket. (Figure 24)
Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the poles.(Figure 25)
Step 3: Place the bracket into the pole and lock the four bolts. (Figure 25)
Notice: Adjustable angle is 0-90°(Figure 25)

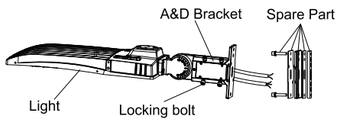


Figure 24

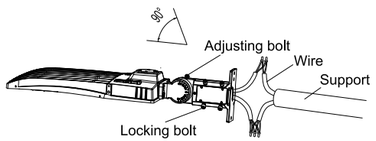


Figure 25

5.2 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 26)
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 27)
Notice: Adjustable angle is 0-90°.(Figure 27)
Same as round pole installation, please remember to use the adapting plate for round pole installation(Figure 28)

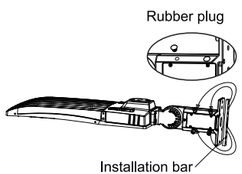


Figure 26

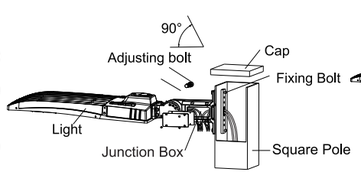


Figure 27

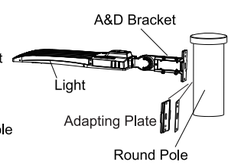


Figure 28

6. FLOOD MOUNTING (e=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 29)

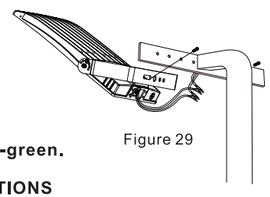
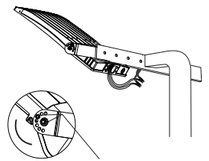


Figure 29



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

SUITABLE FOR WET LOCATIONS
MIN 75 °C SUPPLY CONDUCTORS, CAUTION - RISK OF FIRE
SUITABLE FOR OPERATION IN AMBIENT NOT EXCEEDING 50°C
INSTALL PHOTOCONTROL OR SHORTING PLUG.

CONVIENT AUX EMPLACEMENTS MOUILLÉS
LES FILS D'ALIMENTATION 75 °C MIN, ATTENTION – RISQUE D'INCENDIE.
PEUT ÊTRE UTILISÉ À UNE TEMPÉRATURE AMBIANTE N'EXCÉDANT PAS 50 °C
INSTALLER UNE CELLULE PHOTOÉLECTRIQUE OU UNE PRISE COURT-CIRCUITANTE.

Instructions for Motion sensor(Figure 30)

Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.5mW
Detection angle	150° (wall mounted) 360° (ceiling mounted)
Control line	Pink:+12V；Purple:DIM+；Gray:GND/DIM-
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.ø15m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP20

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min, Sensitivity:100%, Daylight:Disable.

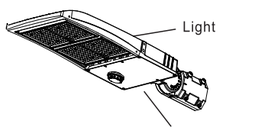
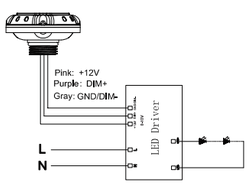
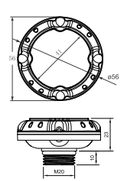


Figure 30





Instructions for PIR sensor(Figure 31)

Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Detection angle	30-120°
Control line	Pink:+12V；Purple:DIM+；Gray:GND/DIM-
Mounting height	Max.6m(ceiling mounted)
Detection range	Max.ø 8m(ceiling mounted) Max.6m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP20

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min, Sensitivity:100%, Daylight:Disable.

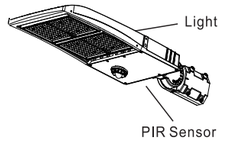
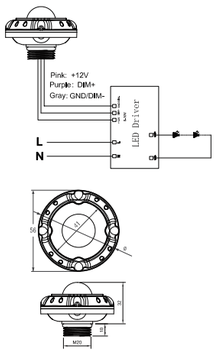


Figure 31



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.(Figure 32)

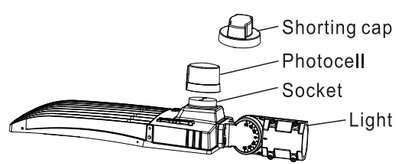


Figure 32