

LED Area Light Optic Line Installation Instructions

CAUTION:

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 happens, please turn off the power immediately and notify relevant personnel.

ATTENTION:

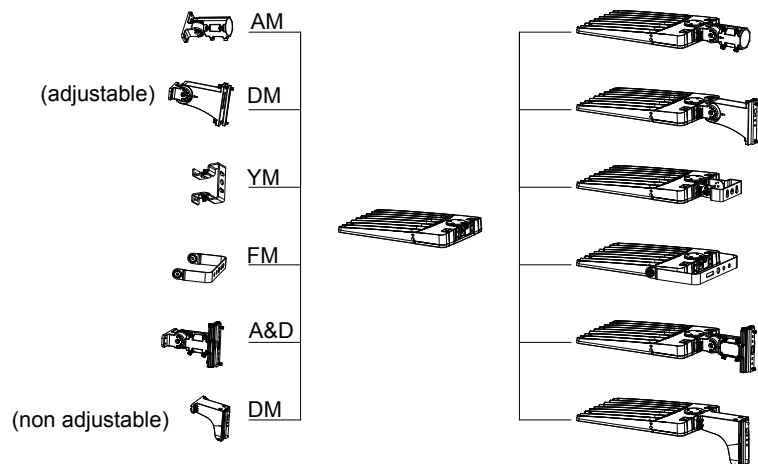
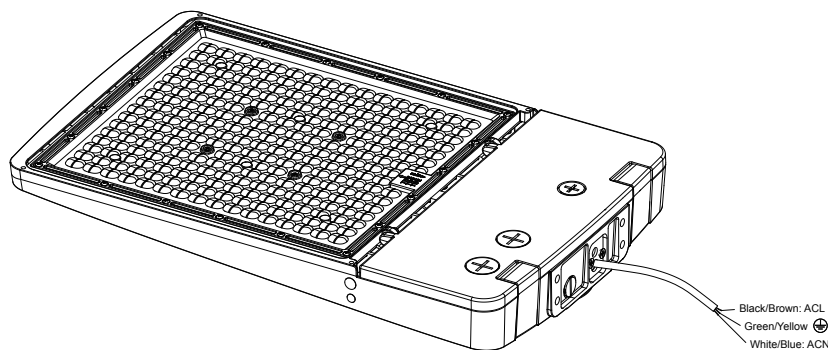
1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instructions carefully to check whether all the accessories are present. After confirmation, install the fixture according to the installation steps.

Instructions:

1. This product has a dimming function.
2. 3 dimming functions are available in this LED light.
 - (1). Constant current can be achieved by 0-10VDC dimming.
 - (2). PWM signal dimming.
 - (3). Variation of resistance unit dimming (Please choose the appropriate dimming method according to your needs. You can also choose not to use this function).
3. Choose the wire connections, dimming function and installation method 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 the LED fixture 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 pass the wires through the bracket (Figure 1)
- Step 2: Install the bracket on the fixture (Figure 2)

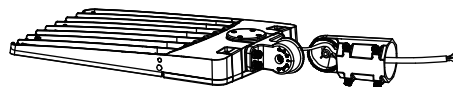


Figure 1

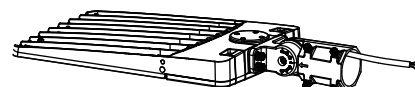


Figure 2

2. DIRECT MOUNTING (e=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 (Figure 4)

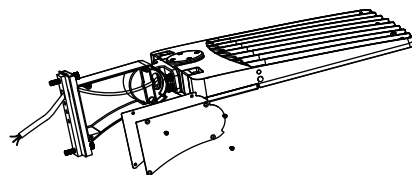


Figure 3

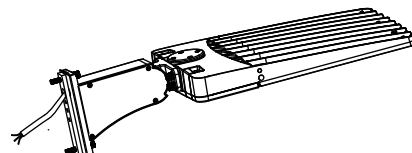


Figure 4

3. YOKE MOUNTING (e=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)

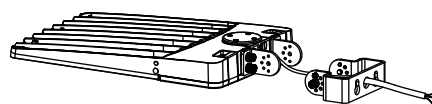


Figure 5

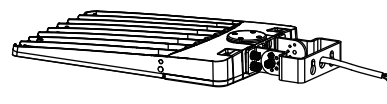


Figure 6

4. FLOOD MOUNTING (e=FM)

- Step 1: First install two big screws (Figure 7)
- Step 2: Install two small screws (Figure 7)

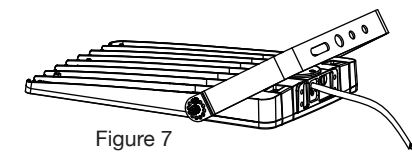


Figure 7

5. MOUNTING BRACKET INSTALLATION (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 8)
- Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 9)

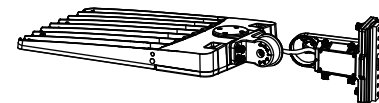


Figure 8

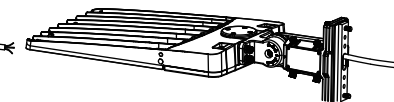


Figure 9

6. DIRECT MOUNTING (DM)

- Step 1: Remove the bracket mounting screws on the fixture and pass the wires through the bracket. (Figure 10)
- Step 2: Install the bracket on the fixture. (Figure 11)

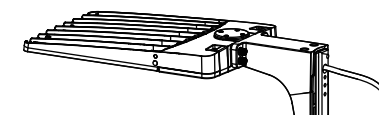


Figure 10

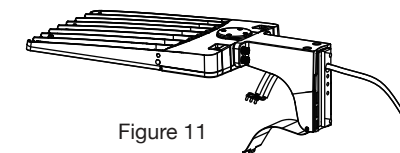


Figure 11

INSTALLATION OF LED LIGHT

1. ADJUSTABLE FITTER MOUNTING (e=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 12)
 - 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 13)
- Notice: Adjustable angle is 0~±90°(Figure 13)

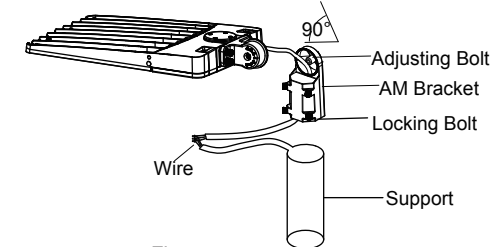


Figure 12

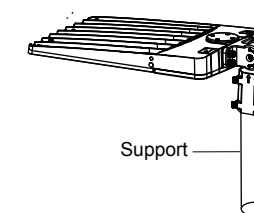


Figure 13

2. DIRECT MOUNTING (e=DM)

- Step 1: Drill the required holes on the square pole for matching the installation with DM mount, 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 14)
 - Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 15)
- Notice: Adjustable angle range is 0-35°(Figure 16)
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 16)

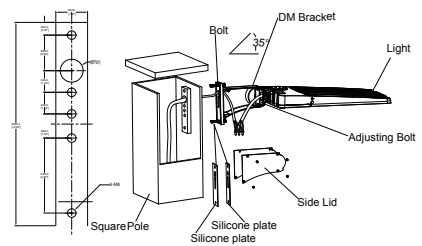


Figure 14

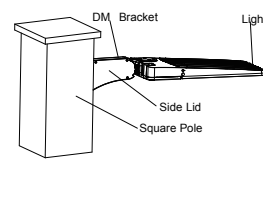


Figure 15

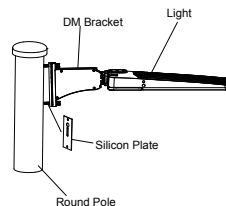


Figure 16

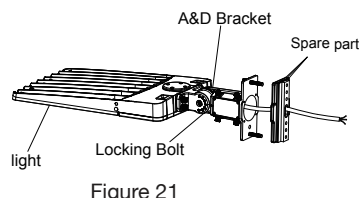


Figure 21

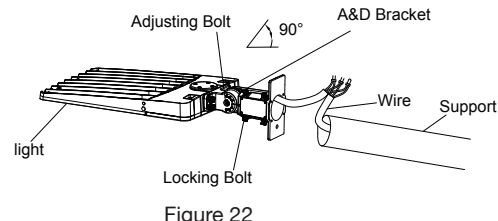


Figure 22

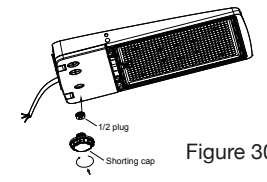


Figure 30

3. YOKE MOUNTING (e=YM)

Step 1: Drill holes on the wall as shown in (Figure 17).

Step 2: Knock the expansion bolts into the wall. (Figure 18)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 19)

Notice: Adjustable angle is 0-90° (Figure 19)

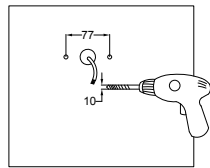


Figure 17

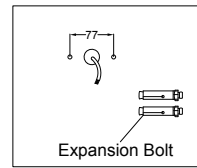


Figure 18

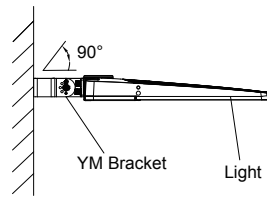
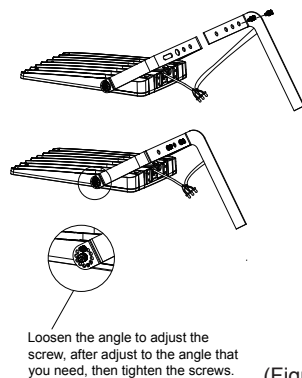


Figure 19

4 ..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 20)



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

(Figure 20)

	FM-100W-150W
	FM-200W-300W
	FM-430W

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 21)

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the pole (Figure 22)

Step 3: Place the bracket into the pole and lock the four bolts (Figure 22)

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

5.2 DIRECT MOUNTING

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 23)

Notice: Adjustable angle range is 0-90°(Figure 24)

Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 24)

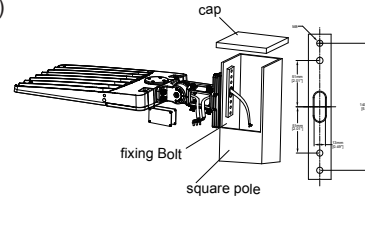


Figure 23

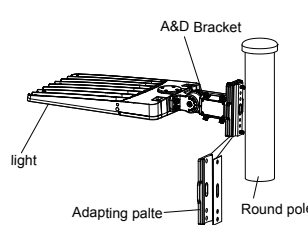


Figure 24

6.MOUNTING BRACKET INSTALLATION (DM)

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 25)

Step 2: Fix DM 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 26-29)

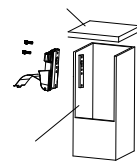


Figure 25

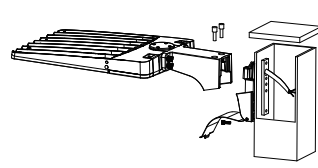


Figure 26

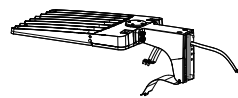


Figure 27

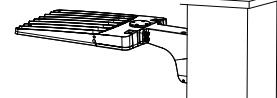


Figure 28

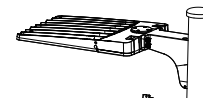


Figure 29

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 30)

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

Instructions for Motion Sensor or PIR sensor (Figure 31)

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

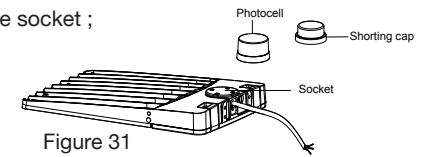


Figure 31

Special Functions Optional:

1. Color temperature adjustment (Figure 32)

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

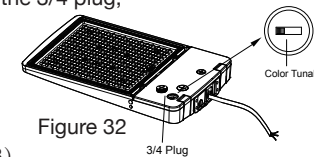


Figure 32

2. Wattage adjustment (Figure 33)

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

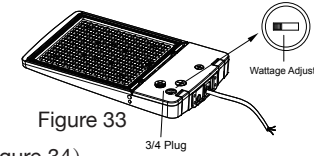


Figure 33

3. CCT & Wattage adjustment (Figure 34)

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

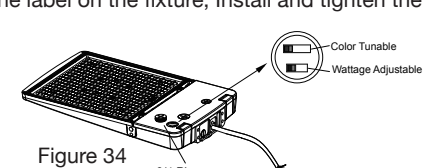


Figure 34

4. Select Lens Select Lens (Figure 35)

1. Unscrew the 3/4 plug ; Adjust the integrated switch to Select Lens Se the desired beam angle, adjust according to the labels on the luminaire; Install and tighten the 3/4 plug;

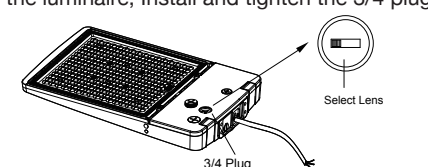


Figure 35