

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 in raining 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 kind of dimming functions are available in this shoebox 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 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.

Parameters:

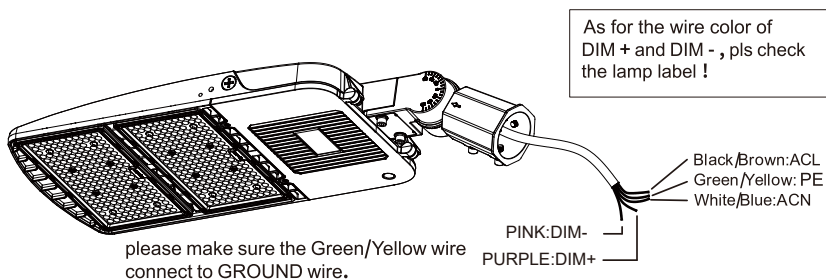
Part No.	Input Voltage	Frequency	Power	Rated Current
SS-AR07-100W-X-XXK-Y-zz	AC120-277V	50/60Hz	100W	0.917A
SS-AR07-150W-X-XXK-Y-zz			150W	1.375A
SS-AR07-200W-X-XXK-Y-zz			200W	1.833A
SS-AR07-240W-X-XXK-Y-zz			240W	2.2A
SS-AR07-300W-X-XXK-Y-zz			300W	2.75A
SS-AR07-400W-X-XXK-Y-zz			400W	3.667A
SS-AR07-450W-X-XXK-Y-zz			450W	4.125A
SS-AR07-500W-X-XXK-Y-zz			500W	4.583A
SS-AR07-100W-X-MV-XXK-Y-zz	AC120-347V		100W	0.917A
SS-AR07-150W-X-MV-XXK-Y-zz			150W	1.375A
SS-AR07-200W-X-MV-XXK-Y-zz			200W	1.833A
SS-AR07-240W-X-MV-XXK-Y-zz			240W	2.2A
SS-AR07-300W-X-MV-XXK-Y-zz			300W	2.75A
SS-AR07-400W-X-MV-XXK-Y-zz			400W	3.667A
SS-AR07-450W-X-MV-XXK-Y-zz			450W	4.125A
SS-AR07-500W-X-MV-XXK-Y-zz			500W	4.583A
SS-AR07-100W-X-HV-XXK-Y-zz	AC277-480V		100W	0.397A
SS-AR07-150W-X-HV-XXK-Y-zz			150W	0.596A
SS-AR07-240W-X-HV-XXK-Y-zz			240W	0.953A
SS-AR07-300W-X-HV-XXK-Y-zz			300W	1.191A
SS-AR07-400W-X-HV-XXK-Y-zz			400W	1.588A
SS-AR07-450W-X-HV-XXK-Y-zz			450W	1.787A
SS-AR07-500W-X-HV-XXK-Y-zz			500W	1.986A

Where X can be "H", "L" or "HY" (Y=number), "XX" can be 3000K, 4000K, 5000K, 5700K.

Y, can be A, B, C, D or blank representing sensor type, A = PIR sensor, B = MS sensor, C = BRT sensor, D = PHB sensor, E = Short-circuit cap, F = Photocontrol, blank = no provide sensor.

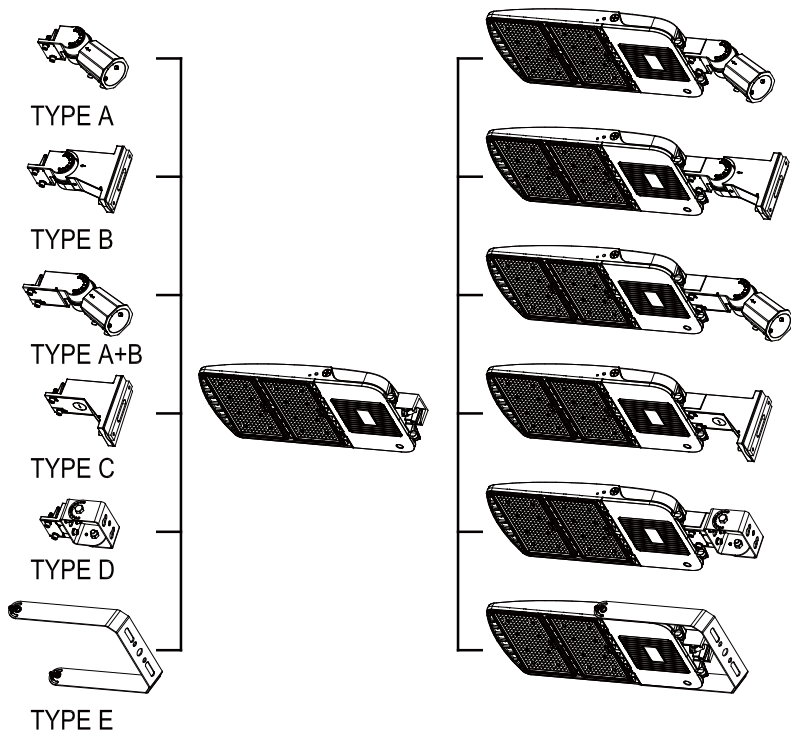
"zz" represents beam angles, can be T2 or T3 or T4 or T5 or blank, T2=Type II-M, T3=Type III-M, T4=Type IV-S, T5=Type V.

Wiring Diagram



Optional Brackets And Installation Instructions

There are 6 optional brackets for this fixture.
The following is shoebox fixtures with different brackets.



The Installation must be carried out by a qualified electrician.

Installation Instruction

Installation manual for Type A

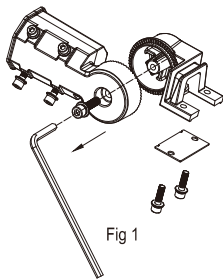


Fig 1

Step 1 : Disassemble the slip-fitter with a wrench, Loosen the 4 locking bolts in the Type A bracket by a wrench, as fig 1

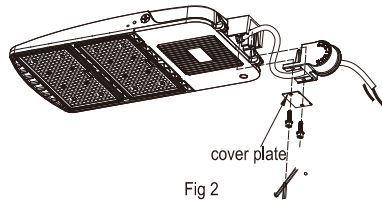


Fig 2

Step 2 : Pass the fixture's AC input wires through the fixing base then tighten screws to assemble fixing base to fixture body. The screws are threaded through the cover plate and bracket and secured to the fixture, as fig 2

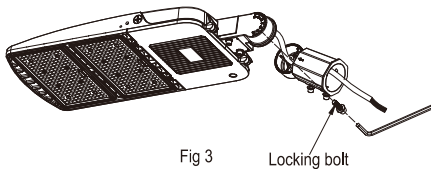


Fig 3

Locking bolt

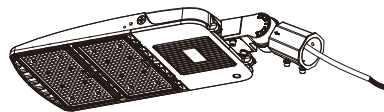


Fig 4

Step 3 : Pass the fixture's input wires through the lamp holder and lock it, as fig 3 and fig 4

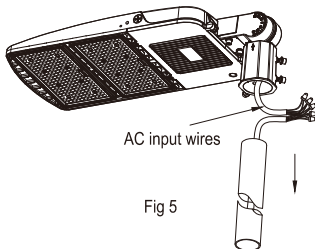


Fig 5

Step 5 . Connect the fixture's AC input wires to pole-wires with connectors .L to L(black), N to N(White), PE to PE (Green). If need to connect dimming wires from the pile to fixture, please also use the connector to connect Dim+(purple) to Dim+ (purple), Dim-(pink) to Dim-(pink), as fig 5,

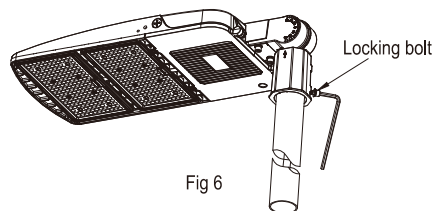


Fig 6

Step 6. Tighten the 4 locking bolts back, as fig 6

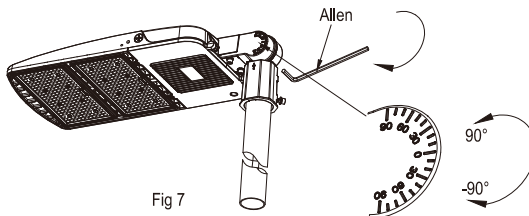
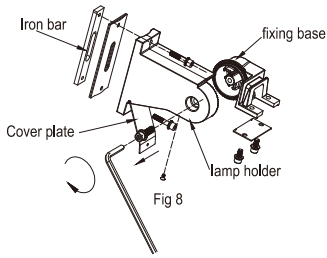
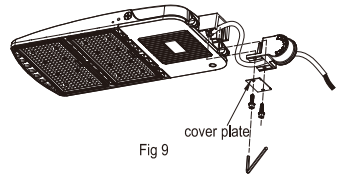


Fig 7

Sep 7. Loosen the locking bolt in the slip-fitter by a wrench to adjust fixture to a appropriate angle, adjustable angle rang 180°, then tighten this locking bolt.



Step 1 . Step 1: Use a wrench to unscrew the screws of LAMP Holder and Fixing Base to separate LAMP Holder and Fixing Base; Unscrew the two screws of LAMP Holder with a wrench, remove the screws and the iron bar, unscrew the cover screw with a screwdriver, and open the cover plate as shown in Figure 8.



Step 2 . Pass the fixture's AC input wires through the fixing base then tighten screws to assemble fixing base to fixture body, The screws are threaded through the cover plate and bracket and secured to the fixture. as fig 9

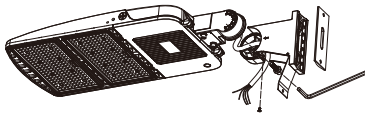
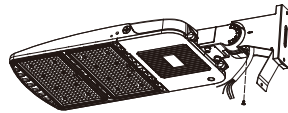


Fig 10



Step 3 . After the lamp input wires passes through the LAMP holder, assemble the LAMP holder and fixing base, tighten the LAMP holder and LAMP holder with a wrench, and fix the screws. As shown in Figure 10:

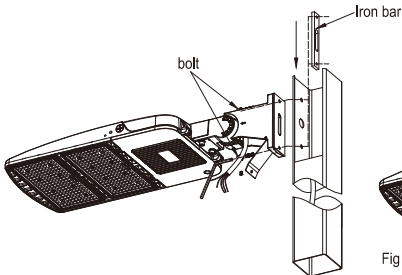
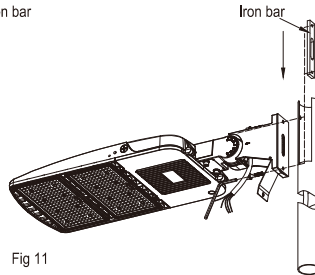


Fig 11



Step 4 . After the bolts pass through the lamp and post, screw the bolts on the sticking strips with a wrench. The lamp is fixed on the lamp post, as shown in Fig. 11:

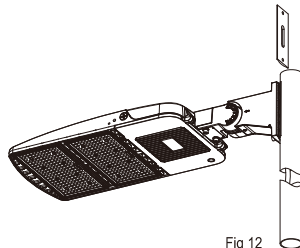


Fig 12

Step 5 : Attention: When install to round pole, Please remove the rubber gasket , as fig 12

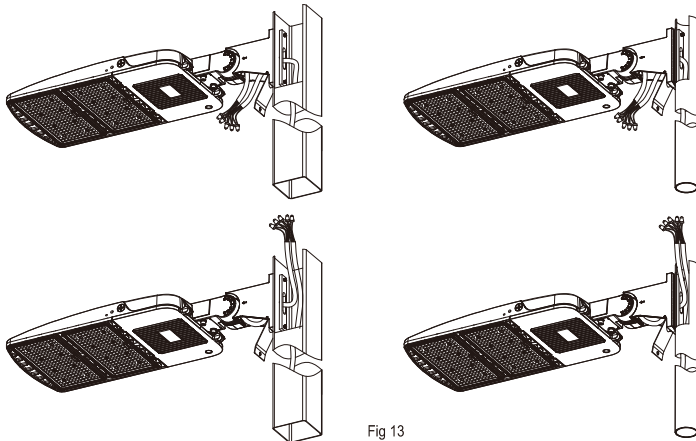


Fig 13

Step 6 : 1. Pass the fixture's AC input wires through pole, pull them out together the pole-wires for connection, as fig 13;
 2. Pass the pole-wires into Type B bracket, pull them out together with fixture's AC wire from junction box , connect the fixture's AC input wires to pole-wires with connectors, L to L(Black), N to N(White), PE to PE (Green); If need to connect dimming wires from the pole to fixture, please also use the connector to connect "Dim +"(Purple) to "Dim +"(purple), "Dim -"(Pink) to "Dim -"(pink)

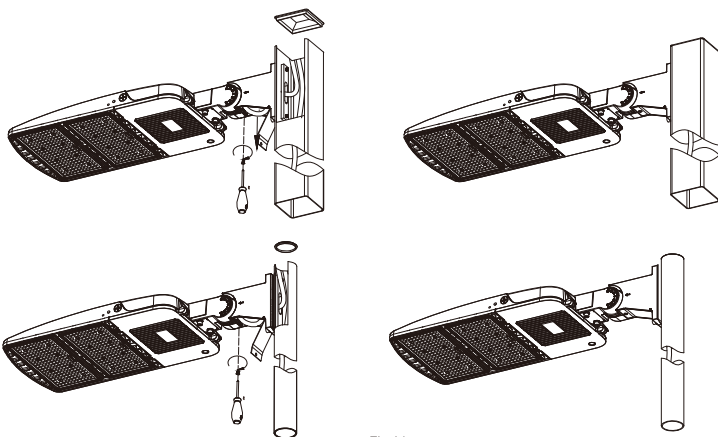


Fig 14

Step 7 . Close the cover plate on the lamp, tighten the screw of the cover plate, and cover the top cover of the lamp post, as shown in Fig. 14

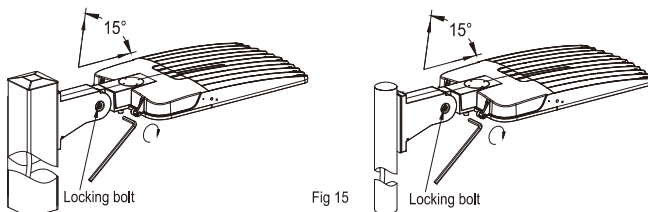


Fig 15

Step 8 : Loosen the locking bolt by a wrench to adjust the fixture to a appropriate angle , adjustment rang 15°, then tighten this, locking bolt, as fig 15

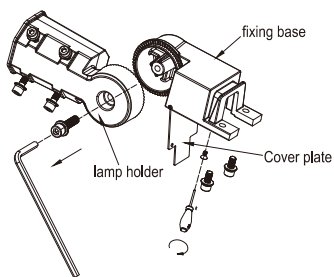


Fig 16

Step 1 . Use a wrench to unscrew the screws of LAMP Holder and Fixing Base, and separate LAMP Holder and Fixing Base. Use a wrench to unscrew the four screws of LAMP Holder and keep the screws not to fall off. Use a screwdriver to unscrew the cover screw and open the cover, as shown in Figure 16

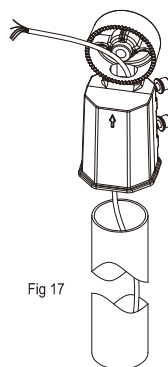


Fig 17

Step 2 . Pass the cable in the lamp post through the fixing base, as shown in Fig. 17

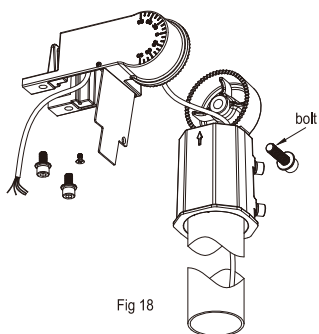


Fig 18

Step 3 .Tighten the bolts using a wrench after passing the lamp cable through the LAMP Holder, as shown in Figure 18.

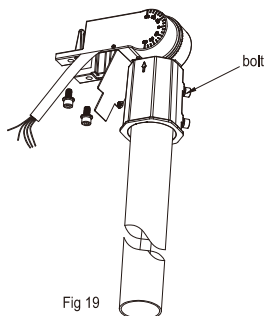


Fig 19

Step 4 . Tighten the four screws on the LAMP Holder using a wrench, as shown in Figure 19.

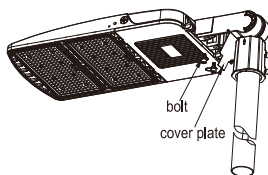


Fig 20

Step 5 . Fix the lamp into the fixing base of Type A+B bracket and tighten the two bolts with a wrench, as shown in Fig. 20

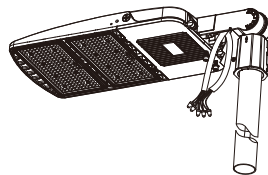


Fig 21

Step 6 : pull them out together with fixture's AC wire from junction box , connect the fixture's AC input wires to pole-wires with connectors, L to L(Black), N to N(White),PE to PE (Green); If need to connect dimming wires from the pole to fixture, please also use the connector to connect "Dim +"(Purple) to "Dim +"(purple), "Dim -"(Pink) to "Dim-"(pink), as fig 21.

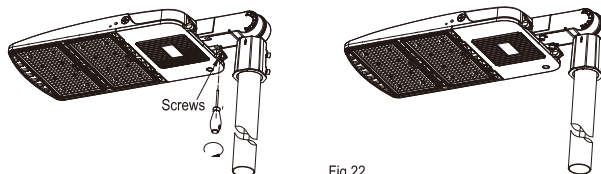


Fig 22

Step 7 . Close the cover and tighten the screws with a screwdriver, as shown in Figure 22

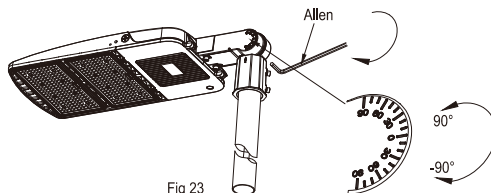


Fig 23

Sep 8. Loosen the locking bolt in the slip-fitter by a wrench to adjust fixture to a appropriate angle, adjustable angle rang 180° , then tighten this locking bolt.

Installation manual for Type C

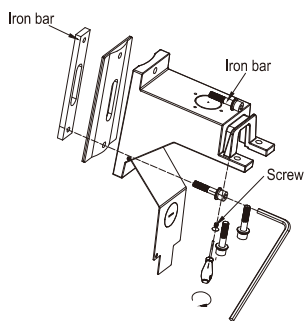


Fig 24

Step 1 . Use Allen wrench to unscrew the bolts and remove the strips. Use screwdriver to tighten the screws to open the cover plate, as shown in Figure 24:.

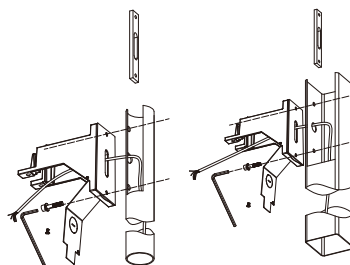


Fig 25

Step 2 . After the bolt passes through the Type C bracket and the lamp post, screw the screws on the sticking strips with a wrench. The bracket is fixed on the lamp post, as shown in Fig. 25

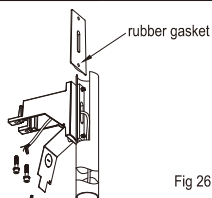


Fig 26

Step 3 : Attention: When install to round pole, Please remove the rubber gasket , as fig 26

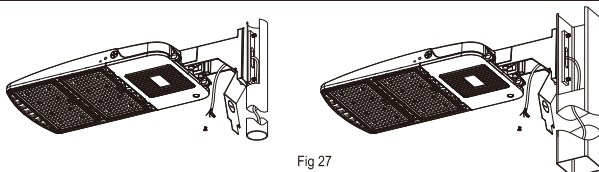


Fig 27

Step 4 . Insert the lamp into the Type C bracket, and then tighten the 2 bolts with a wrench, as shown in Fig. 27:

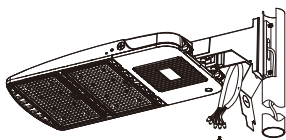
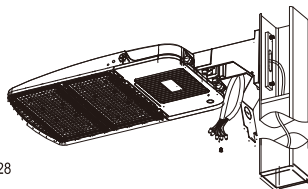


Fig 28



Step 5 : pull them out together with fixture's AC wire from junction box , connect the fixture's AC input wires to pole-wires with connectors, L to L(Black), N to N(White), PE to PE (Green); If need to connect dimming wires from the pole to fixture, please also use the connector to connect "Dim +"(Purple) to "Dim +"(purple), "Dim -"(Pink) to "Dim -"(pink) , as fig 28

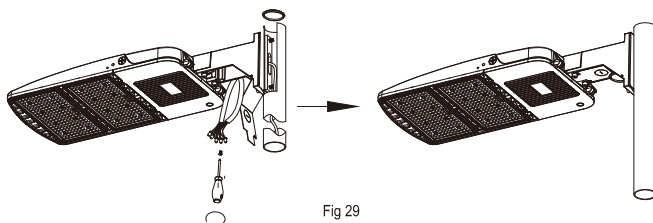


Fig 29

Step 6 . Close the cover plate on the lamp and tighten the cover plate screw with screws to cover the top cover of the lamp post, as shown in Fig. 29

Installation manual for Type D

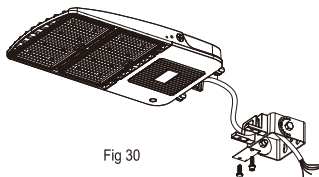


Fig 30

Step 1 .Pass the lamp input wire through the Type D bracket, as shown in Figure 30

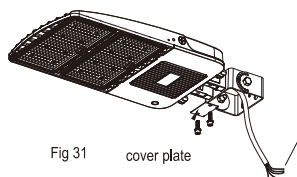


Fig 31 cover plate

Step 2 . Insert the Type D bracket into the lamp, as shown in Figure 31

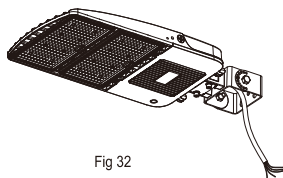


Fig 32

Step 3 . Fix the Type D bracket and cover plate on the lamp with a screwdriver, as shown in Fig. 32

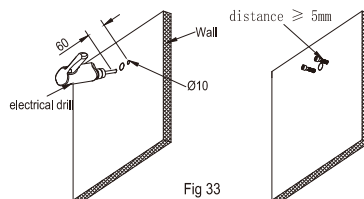


Fig 33

Step 4 . Place the bracket Type D at the position of the mounting hole at the mark on the wall, with the hole spacing of 60mm. Use an electric drill to drill a hole $\Phi 10$ mm at the mark, inside the screw curd screw hole, and the head is more than 5mm from the wall, as shown in Fig. 33

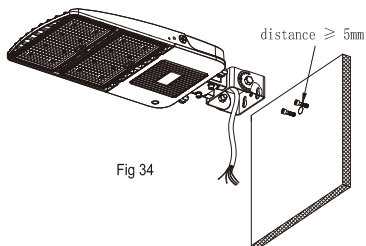


Fig 34

Step 5: Insert the lamp Type D bracket into the screw head and tighten the screw with a wrench, as shown in Fig. 34

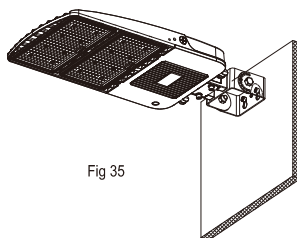


Fig 35

Step 6 .Use terminals in the junction box to connect the lamp input line to the mains. L to L(Black), N to N(White),PE to PE (Green); If need to connect dimming wires from the pole to fixture, please also use the connector to connect "Dim +"(Purple) to "Dim +"(purple), "Dim -"(Pink) to "Dim -"(pink), as shown in Fig. 35

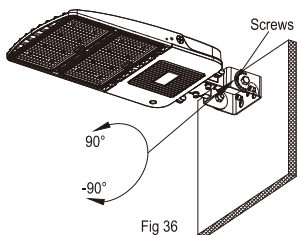


Fig 36

Step 7 .Use a wrench to loosen the adjustment Angle screw, and the Angle adjustment range "-90°-90°", as shown in Fig.36

Installation manual for Type E

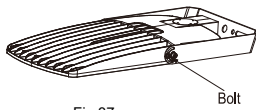


Fig 37

Step 1: Use a wrench to loosen the adjustment Angle screws on both sides of the lamp, as shown in Figure 37:

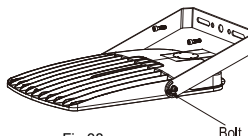


Fig 38

Step 2: After adjusting the bracket Angle, use the screw to tighten the Angle adjustment, as shown in Fig.38:

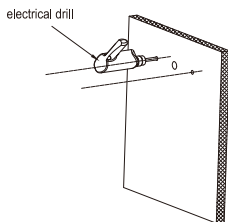


Fig 39

Step 3 . Drilled the wall with an electric drill with a diameter of $\phi 10\text{mm}$ and a hole spacing of 120-205mm, as shown in Fig. 39

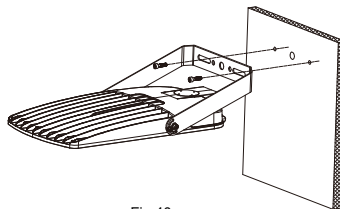


Fig 40

Step 4 . Use screws to fix the lamp to the wall, as shown in figure 40

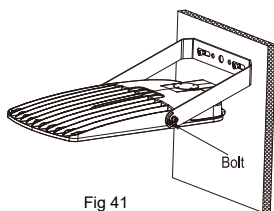


Fig 41

Step 4: Use terminals in the junction box to connect the lamp input line to the mains. L to L(Black), N to N(White), PE to PE (Green); If need to connect dimming wires from the pole to fixture, please also use the connector to connect "Dim +"(Purple) to "Dim +"(purple), "Dim -(Pink) to "Dim -(pink), as shown in Fig. 41

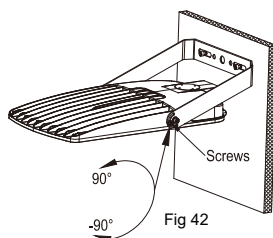


Fig 42

Step 5 . Use a wrench to loosen the adjustment Angle screw, and the Angle adjustment range "-90°-90°", as shown in Fig. 42:

Installation manual for Photocell

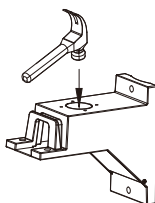


Fig 43

Step 1 .Use the hammer to hit the reserved photocell hole on the Type C bracket or lamp, as shown in Fig. 43

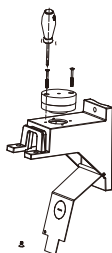
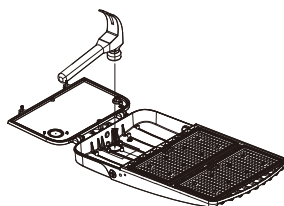


Fig 44

Step 2 . Insert the photocell base into the reserved hole and tighten the screws with a screwdriver, as shown in Figure 44.

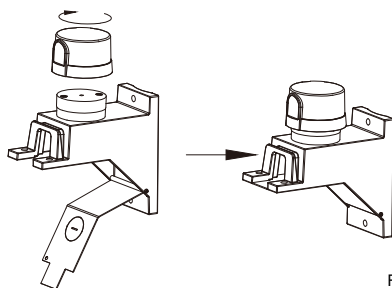
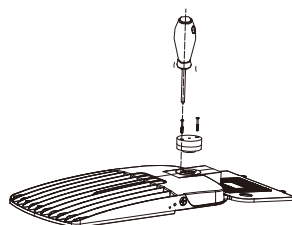
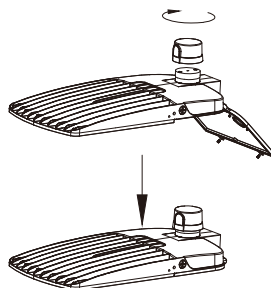


Fig 45

Step 3 . Photocell or shorting cap is rotated counterclockwise on the base, as shown in Fig. 45



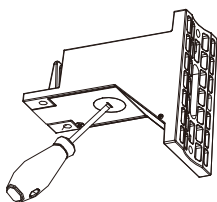
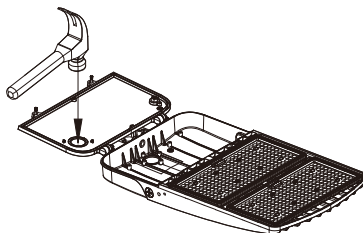


Fig 46



Step 1: Use a screwdriver to pry open the induction reserved hole of the Type C bracket, and use a hammer to hit the reserved hole on the lamp, as shown in Figure 46:

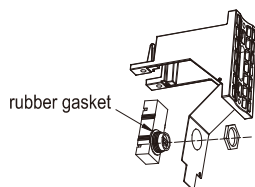
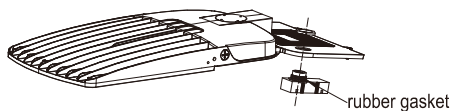


Fig 47



Step 2: Put the sensor through the sensor hole and tighten it with the nut. Note: The silicone pad should be on the main body of the sensor, as shown in Fig. 47:

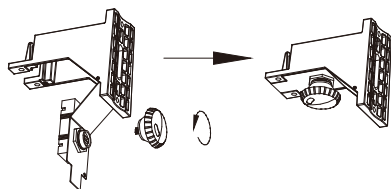
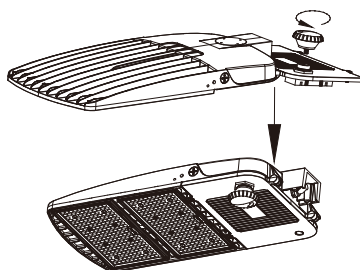
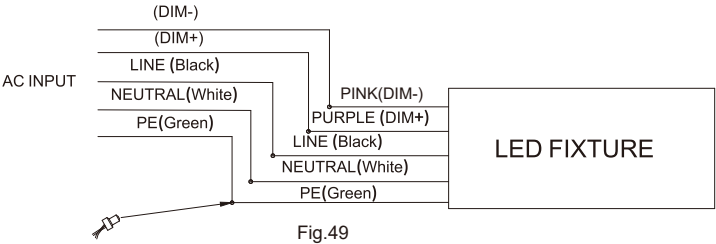


Fig 48

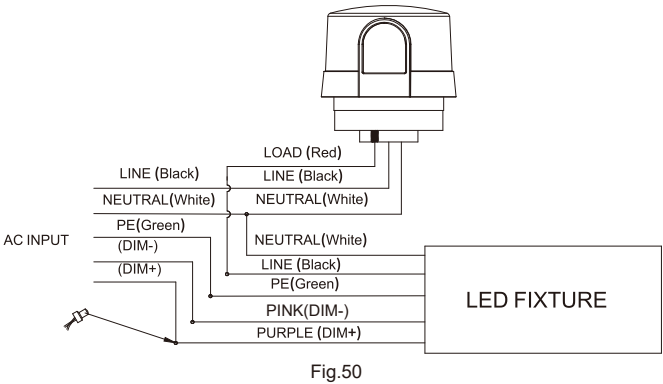


Step 3: Rotate the sensor counterclockwise and fix it on the main body, as shown in Figure 48:

Wiring diagram figure 49 without photocell and motion sensor.



Wiring diagram figure 50 with photocell.



Wiring diagram figure 51 with motion sensor.

