

**Back Light Shield**



# ALP™ G2

## Installation Instructions

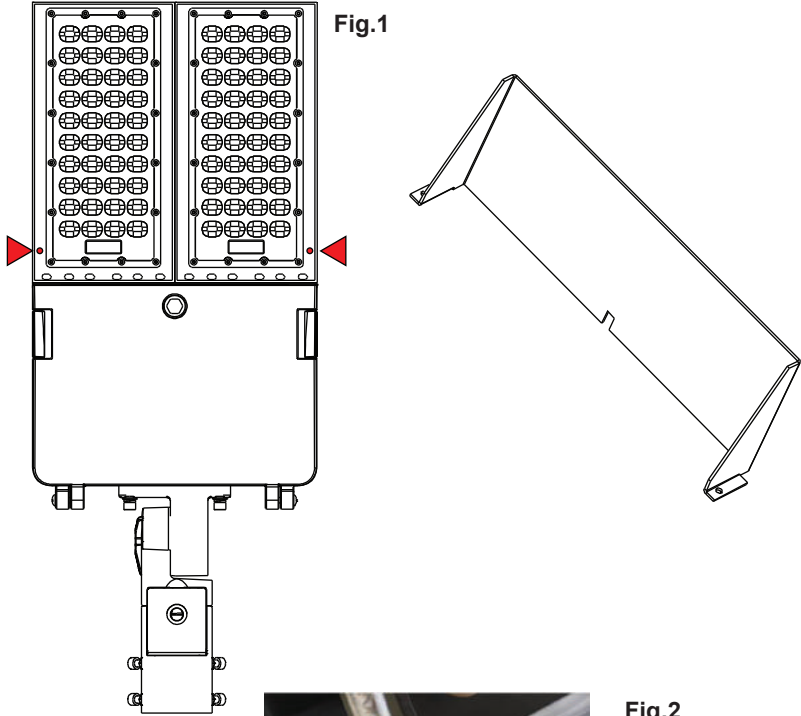
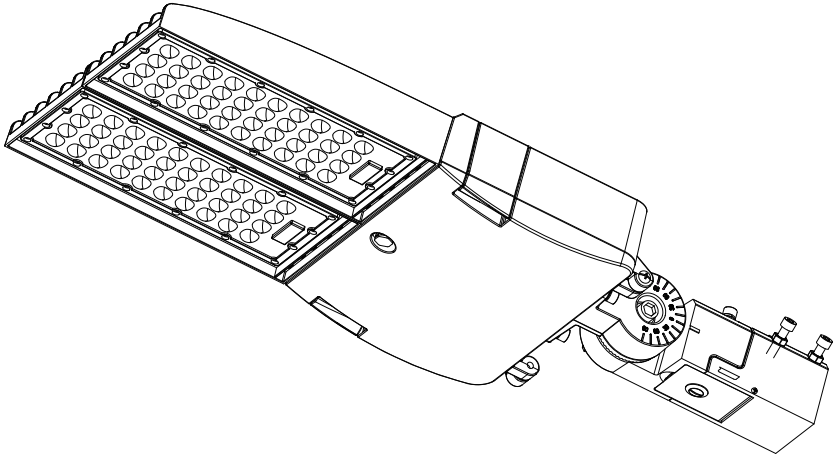


Fig.1



Fig.2





#8 X 3/4" Phillips  
Pan Head Self-Drill Screw



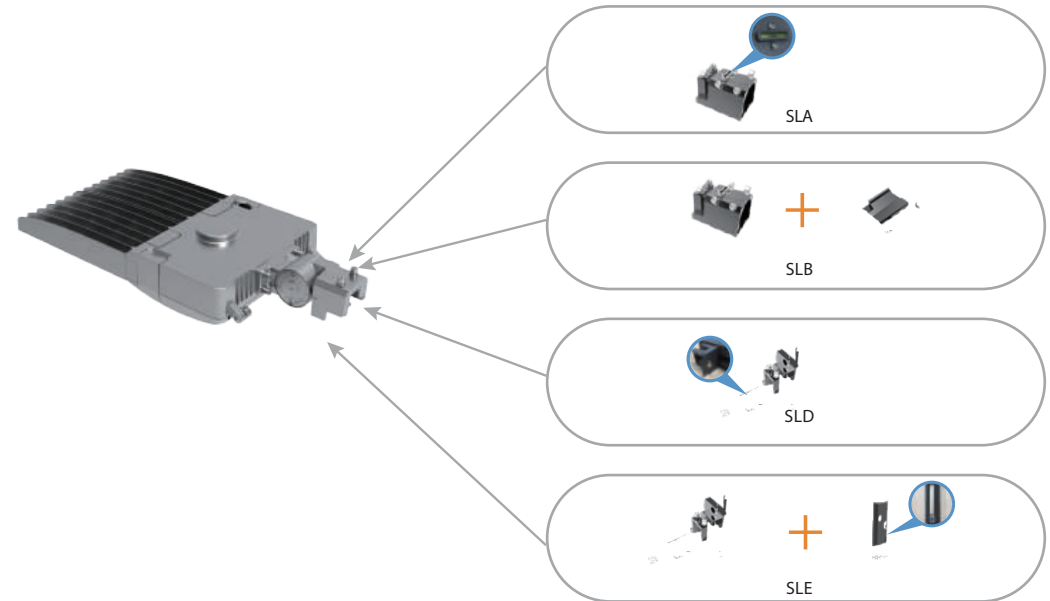
Step1:Place Back Light Shield at indicated indentation on fixture. Fig.1  
Step2:Drill the self drilling screw with back light control on. Fig.2

**READ AND FOLLOW ALL SAFETY INSTRUCTIONS  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

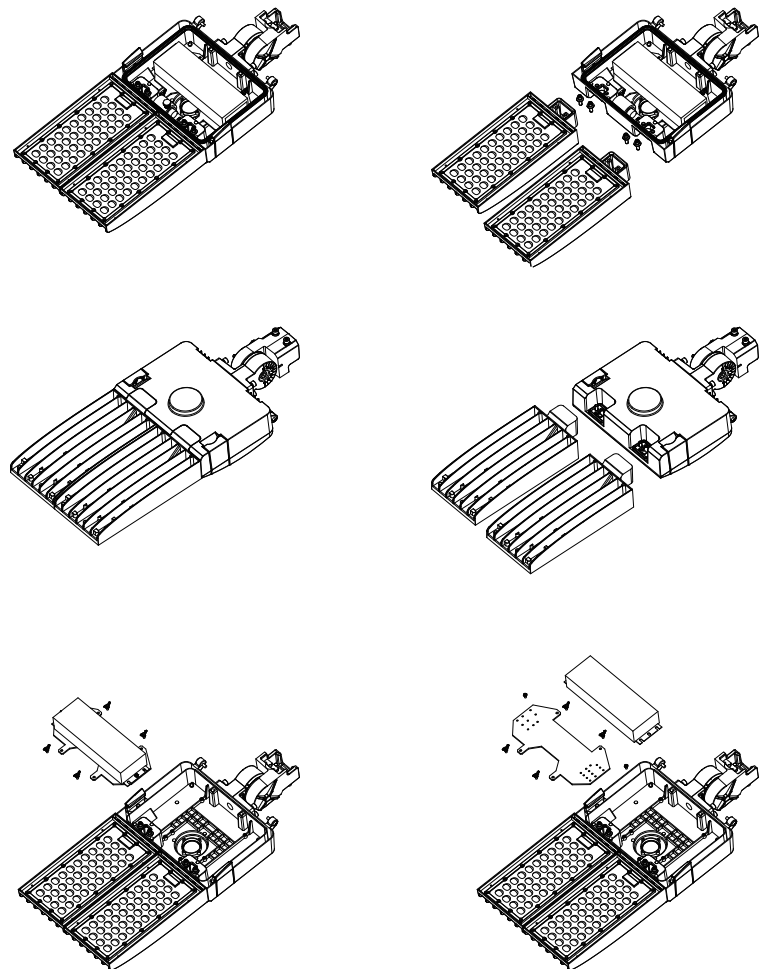
- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance up on this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a qualified licensed electrician.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry.
- Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- **DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance.

 <p><b>WARNING RISK OF ELECTRIC SHOCK</b></p> <p>Disconnect or turn off power before installation or servicing. Verify that supply voltage is correct by comparing it with the luminaire label information. Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements. All wiring connections should be capped with UL approved recognized wire connectors</p>	 <p><b>WARNING RISK OF BURN</b></p> <p>Allow lamp/fixture to cool before handling. Do not touch enclosure or light source. Do not exceed maximum wattage marked on luminaire label. Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.</p>
 <p><b>WARNING RISK OF INJURY</b></p> <p>Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance. Avoid direct eye exposure to the light source while it is on.</p>	 <p><b>WARNING RISK OF FIRE</b></p> <p>Keep combustible and other materials that can burn, away from lamp/lens. Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.</p>

**INSTALLATION ACCESSORY**

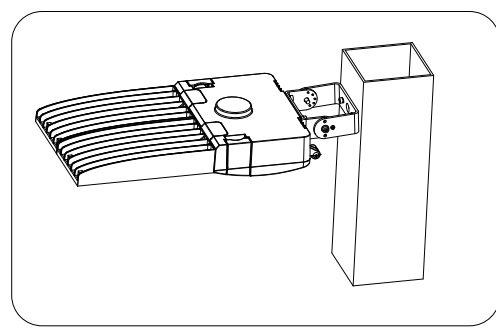
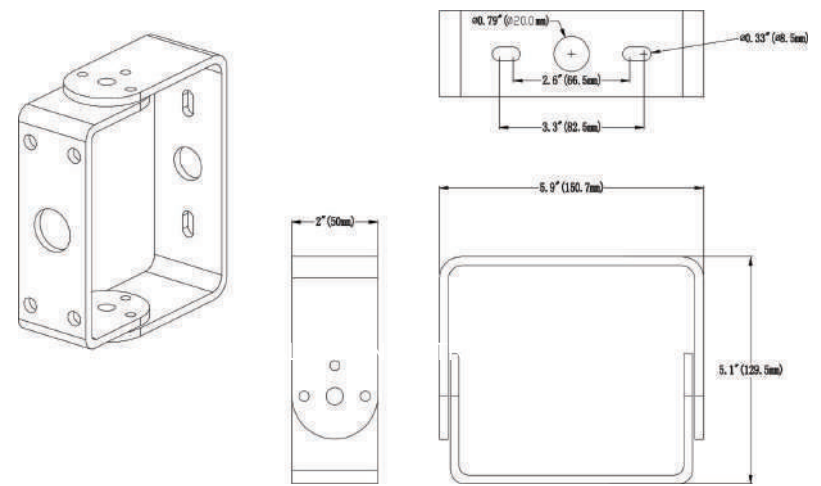


Replacement



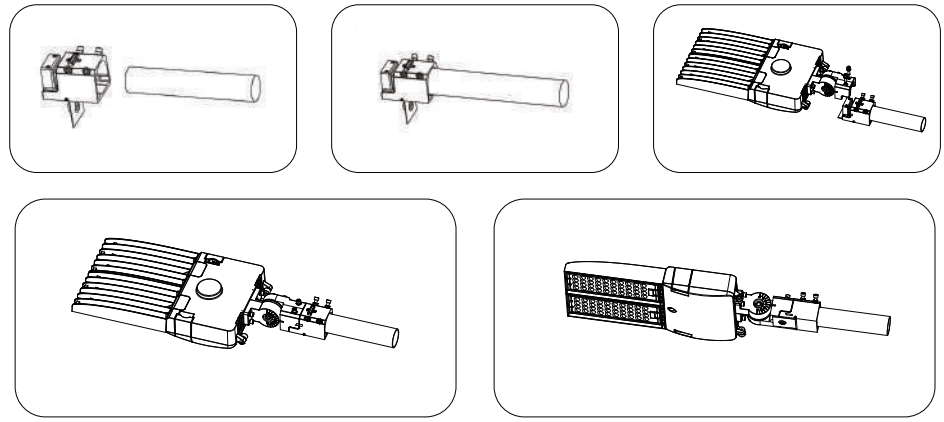
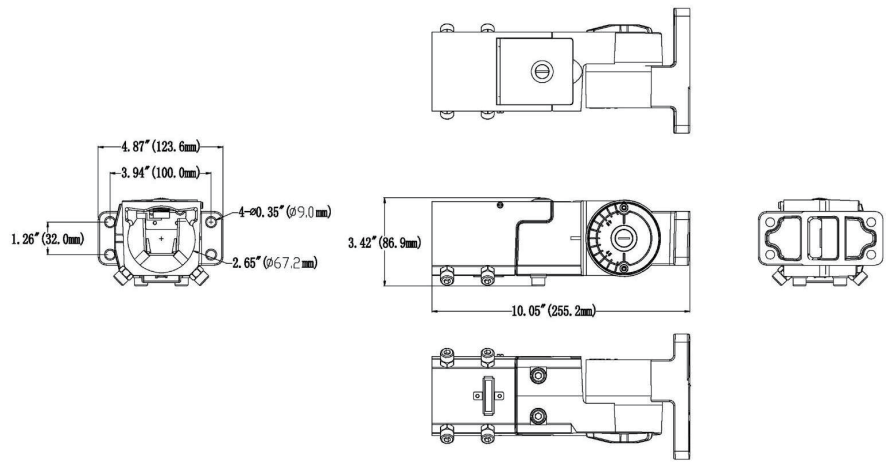
1. Open the driver compartment
2. Loosen the screws
3. Replace with other LED engine modules
4. Loosen the screws on driver plate and replace with other drivers.

1.Trunnion



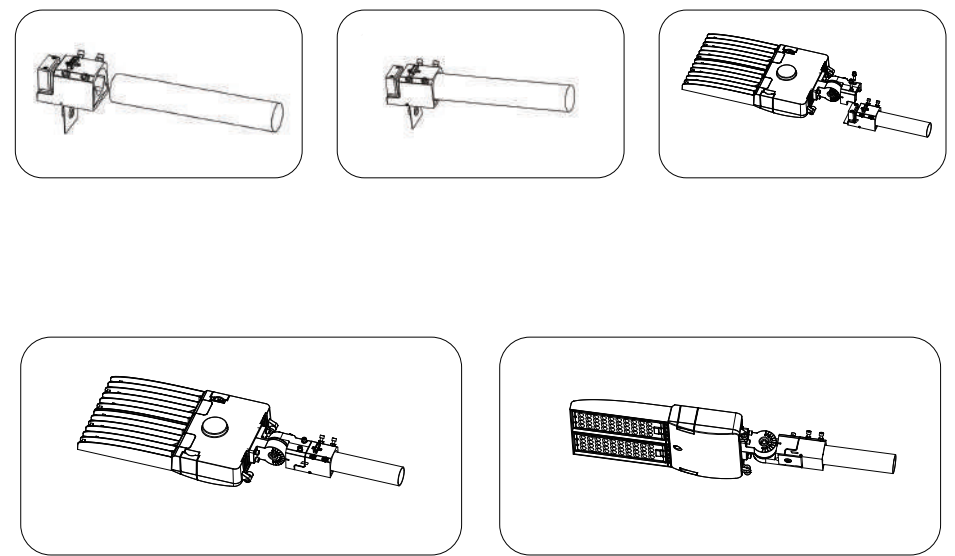
- Step1: Put the fixture on the pole, then tighten the screws tightly.  
 Step2:Connect the AC wire of the fixture.

2.(SLA)For 2.36" round tenon



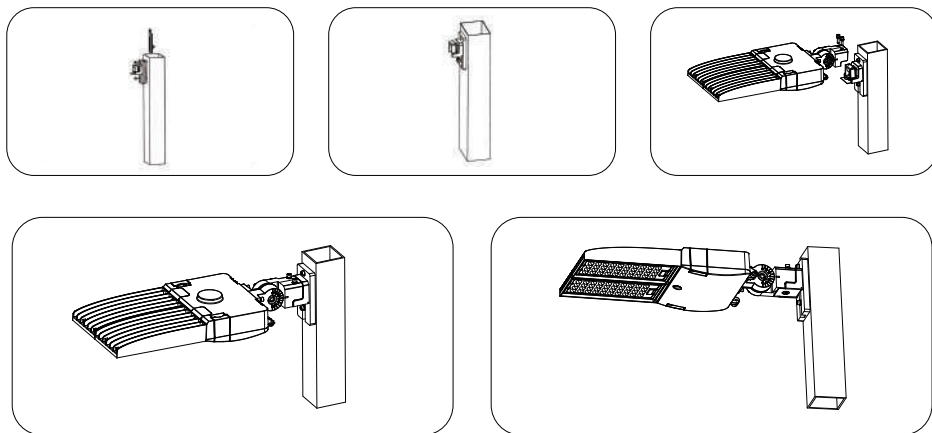
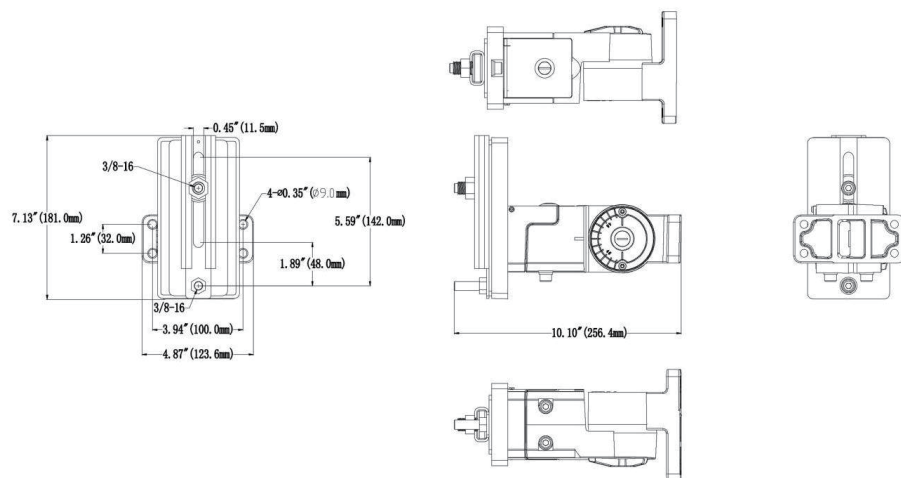
- Step1:Install the bracket to the 60mm round tenon.
- Step2:Tighten the four screws.
- Step3:Install the fixture to the bracket.
- Step4:Tighten the two screws.
- Step5:Connect the AC wire of the fixture.
- Step6:Close the cover of the bracket.

3.(SLB)For 1.57" round tenon



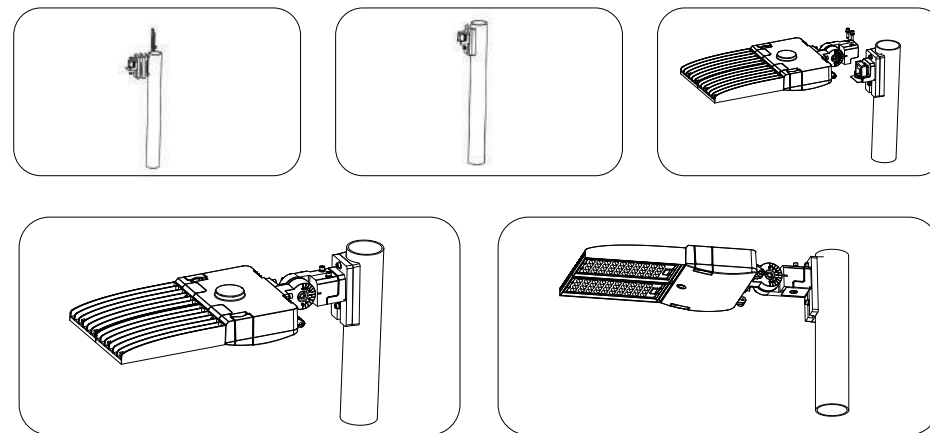
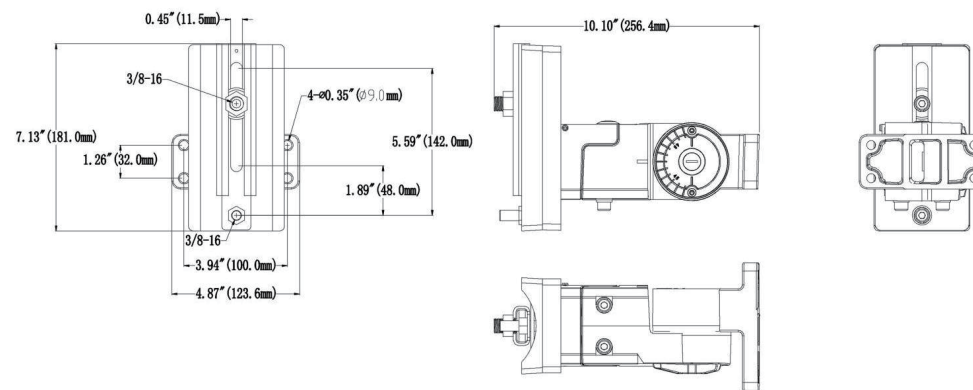
- Step1:Install the bracket to the round tenon.
- Step2:Tighten the four screws.
- Step3:Install the fixture to the bracket.
- Step4:Tighten the two screws.
- Step5:Connect the AC wire of the fixture.
- Step6:Close the cover of the bracket.

4.(SLD)For Square pole



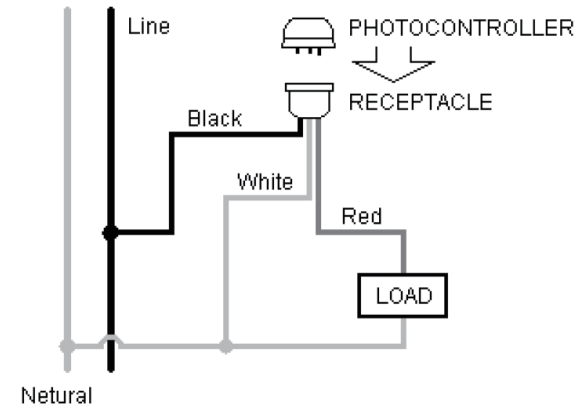
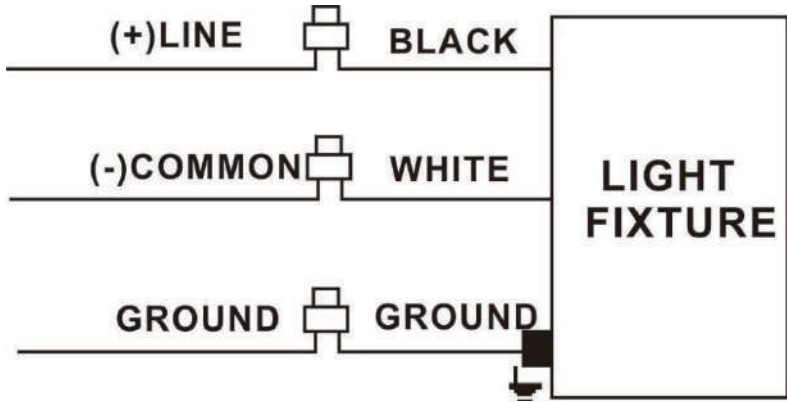
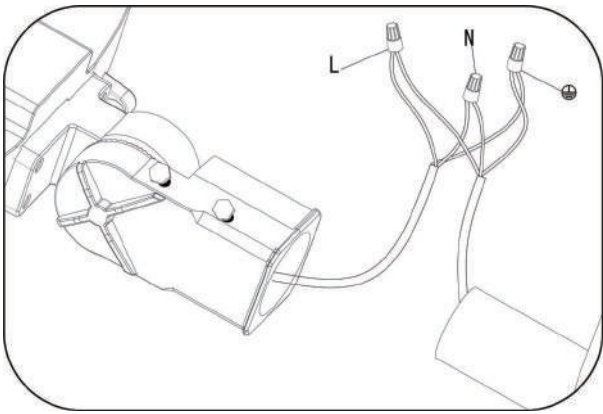
- Step1:Install the bracket to the square pole.
- Step2:Tighten the plate.
- Step3:Install the fixture to the bracket.
- Step4:Tighten the two screws.
- Step5:Connect the AC wire of the fixture.
- Step6:Close the cover of the bracket.

5.(SLE) For Round Pole

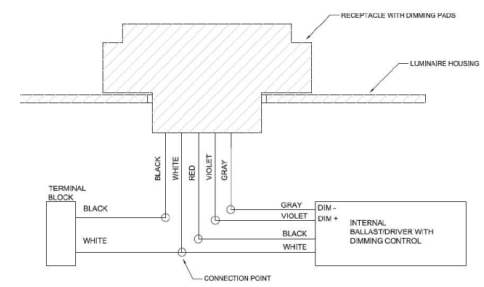


- Step1:Install the bracket to the round pole.
- Step2:Tighten the plate.
- Step3:Install the fixture to the bracket.
- Step4:Tighten the two screws.
- Step5:Connect the AC wire of the fixture.
- Step6:Close the cover of the bracket.

**ON-OFF WIRING**

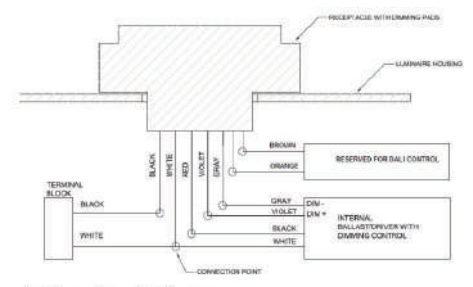


3-Pin Photocell



Adjust the receptacle position if necessary.

5-Pin Photocell



Adjust the receptacle position if necessary.

7-Pin Photocell

Make the wire connections outside the mounting arm. Refer to the wire diagram for power connections.

Step1: Connect the black fixture lead to the (+)LINE supply lead.

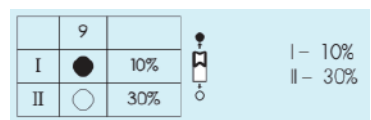
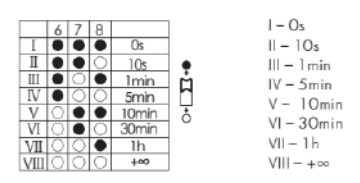
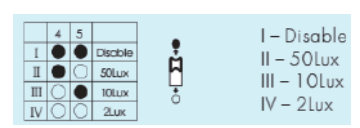
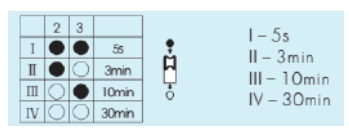
Step2: Connect the white fixture lead to the (-)COMMON supply lead.

Step3: Connect the GROUND wire from fixture to supply lead.

**MOTION SENSOR INSTALLATION (MICROWAVE)**

**Setting**

- Detection range**  
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.
- Hold-time**  
Hold-time means the time period to keep the lamp on 100%, after all motion has ceased (detection area vacated).
- Daylight sensor**  
The daylight threshold can be set on DIP switches, to fit for particular application.
- Stand-by period (tri-level control)**  
This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.  
Note: "0s" means on/off control;  
"+8" means bi-level control, fixture never switches off when daylight sensor is disabled.
- Stand-by dimming level**  
This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

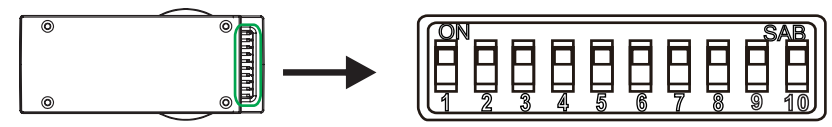


Standard Technical Data	
Operating voltage	120-277 Vac
Detection area	100%
Hold-time	3 Min
Stand-by period	5 Min
Stand-by dimming	10%
Daylight threshold	10 Lux
HF (microwave) frequency	5.8GHz+/-75MHz
Detection angle	30°~150°
Mounting height	Max.15 m

**MOTION SENSOR INSTALLATION (PIR)**

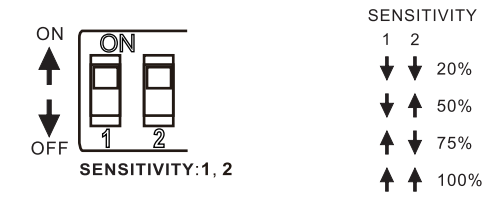
**PARAMETER SETTING BY DIP SWITCH**

Consider the picture: 1,2 set sensitivity; 3,4 set hold time; 5,6 set the lux; 7,8 stand-by light level; 9,10 set stand-by time;



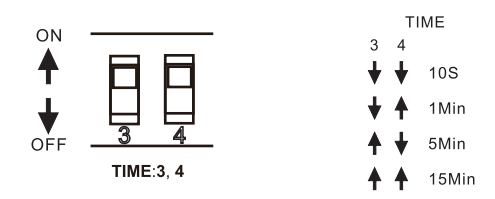
**Detection Range Setting (sensitivity)**

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 40ft, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:



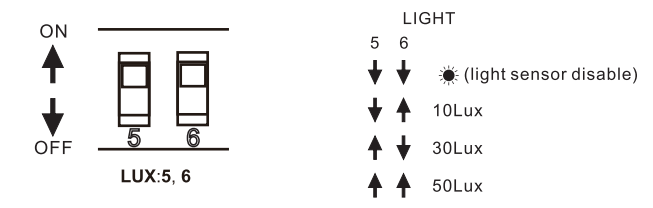
**Hold Time Setting**

The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:



**Light-control Setting**

The chosen light response threshold can be infinitely from approx. 10-50lux, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and light-control of the corresponding table is as follows:



**Stand-by Light Level Setting**

Switch to the on is"↑",switch to the off is"↓";the corresponding file of switch location and detection distance as follow:



**Stand-by Time Setting**

File of switch location and detection distance as follow:file of switch location and detection distance as follow:



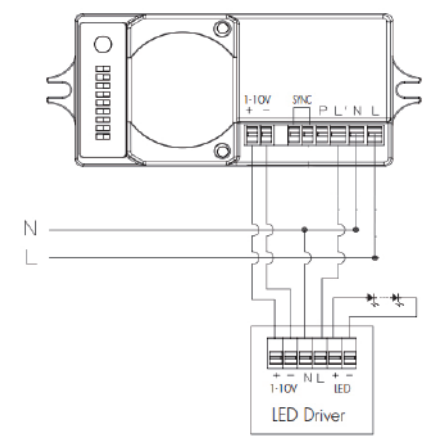
**Technical Parameters**

- 120/277 VAC,50/60Hz
- Resistive/Halogen-800W@120V/1200W@277V
- Fluorescent Ballast-660W@120V/1200W@277V
- Electronic Ballast(LED/CFL)-5A@120V/5A@277V
- Detect Area:360°, maximum coverage 60'diameter from 40'height
- High mode:0-10V;default 10V
- Low mode:Off,0-9.8V;default 1V
- Operating temperature:-40-158°F (-40-70°C)
- OperatingHumidity:20-90%
- IP66 for PIR LEN(top part of the sensor)

**⚠ WARNING**

NOTE: After the sensor is connected and initialize for the first time, the light will keep on for 40 seconds and go off. Afterward the sensor will function as programed. Warm up time is 40 seconds.

**WIRING DIAGRAM**



Motion Sensor

BR1823-B-D wiring with dimming ballast or LED driver  
Dimming Driver

BR1823-B-D wiring with non-dimming ballast or LED driver  
Non-Dimming Driver

