

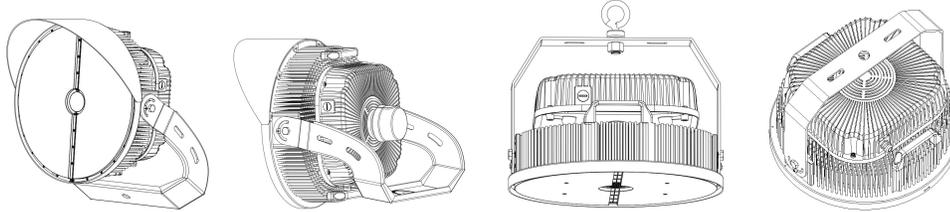
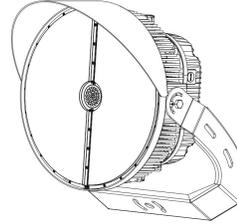
ASTRO Series Sports Light & High Mast Light Installation Manual

IMPORTANT SAFETY PRECAUTIONS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL INSTRUCTIONS

1. Disconnect power supply to avoid risk of electrical shock.
2. Proper grounding is required to ensure personal safety.
3. Make certain power is OFF before performing installation or maintenance.
4. Do not recess the fixture. For covered ceilings only.
5. A qualified electrician should do all work.
6. **DO NOT TOUCH THE LED CHIPS. DAMAGE MAY OCCUR.**



Model list:

| Item No. | Model: ASTROxxW/ccddeffghijklmn | Power (W) | Size DxH (mm) | Weight (kg) | Max. mounting height (m) | Max. projected area (m ²) |
|----------|---------------------------------|-----------|---------------|-------------|--------------------------|---------------------------------------|
| 1 | ASTRO-300W | 300 | 380*325 | 23 | 20 | 0.113 |
| 2 | ASTRO-400W | 400 | 380*325 | 23 | 20 | 0.113 |
| 3 | ASTRO-500W | 500 | 380*325 | 23 | 20 | 0.113 |
| 4 | ASTRO-600W | 600 | 477*347 | 25 | 25 | 0.179 |
| 5 | ASTRO-750W | 750 | 477*347 | 25 | 25 | 0.179 |
| 6 | ASTRO-950W | 950 | 548*374 | 35 | 30 | 0.236 |
| 7 | ASTRO-1200W | 1200 | 548*374 | 35 | 30 | 0.236 |

Remark:

- 1) 'cc' stands for CCT of LED, it can be 27 to 65 (e.g. 27=2700K, 65=6500K);
- 2) 'dd' stands for appearance colour, it can be BR, WH, BK, GR; BL, SL or GY; BR=Bronze; WH=White; BK=Black; GR=Green; BL=Blue; SL=Silver or GY=Grey;
- 3) 'ee' stands for lens angle or lens type, it can be 01, 03, 04, 06, 09, 12, 6R, T3 or T5, (e.g. 01=16°×16°, 03=30°×30°, 04=40°×40°, 06=60°×60°, 09=90°×90°, 12=120°×120°, 6R=60°×120°, T3=Type III or T5=Type V);
- 4) 'f' stands for LED model, it can be 1, 3, 4, 1=NF2W757GR-V3; 3=SAW7C22B-NZ; 4=LUXEON 3030;
- 5) 'g' stands for with or without dimming function, it can be D or 0, D=Dimmable, 0=non-dimmable;
- 6) 'h' stands for with or without wireless controlling function, it can be Z or 0, Z=with zigbee controlling, 0=without zigbee controlling;
- 7) 'i' stands for with or without photocell controller, it can be P or 0, P=with photocell controller, 0=without photocell controller;
- 8) 'j' stands for with or without surge protection device (SPD), it can be S or 0, S=with SPD, 0=without SPD;
- 9) 'k' stands for with or without visor, it can be V or 0, V= with visor, 0=without visor;
- 10) 'l' stands for with or without glare control shield, it can be G or 0, G=with glare control shield, 0=without glare control shield;
- 11) 'm' stands for power compartment fixed type, it can be I or F, I= fixed on luminaire; F= Remote power compartment by interconnection cord;
- 12) 'n' stands for ventilation ring type, it can be A, B or 0, A= with type A ventilation ring, B= with type B ventilation ring, 0=without ventilation ring;

Installation Manual

Mounting options:

Shroud is installed on the back of the heat sink when you open the packing box, need to dismount the shroud and re-install it (see FIG.1). If the fixture is used as high bay, there is no shroud, no need to dismount or re-install the shroud. The fixture is with U shape bracket. (see FIG.2)

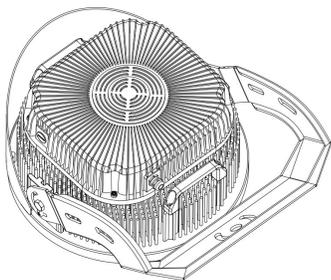


FIG.1

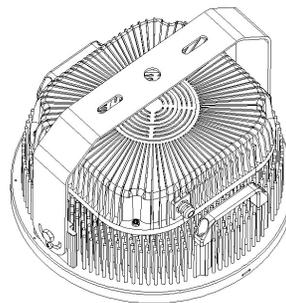


FIG.2

Twist-Lock Photocell options:

If need to add a photocell, please refer to below two diagrams.

Disconnect power. Push the photocontroller on and twist it clockwise to lock it into the receptacle.(See FIG.3)

Adjust the receptacle position if necessary.(See FIG.4)

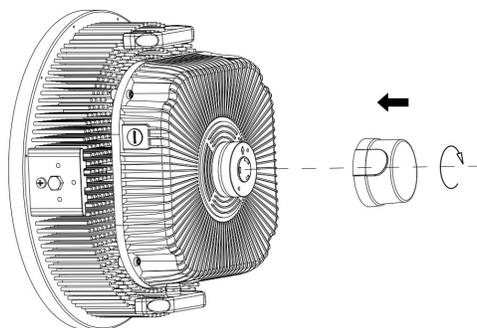


FIG.3

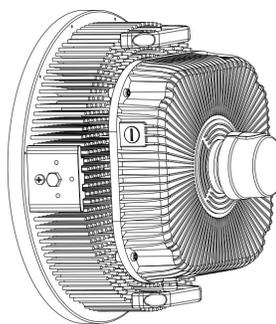


FIG.4

Anti-glare Module Plate options:

If need to add an Anti-glare Module Plate, please refer to below two diagrams.

Disconnect power. Removing the Anti-glare module plate screws located on the lens plate, and attach the Anti-glare Module Plate on the front of the lens, and then tighten the screws to fix the Anti-glare module plate.

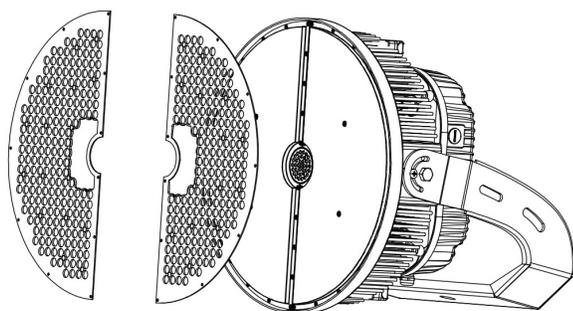


FIG.5

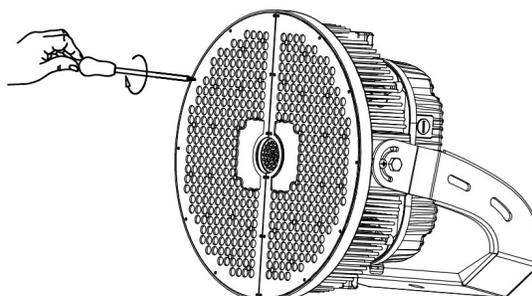


FIG.6

1. Install the shroud

- 1) Dismount 6 pcs screws which are used to fix shroud onto the fixture (anticlockwise direction), take the shroud down. See FIG.7 to FIG.9:

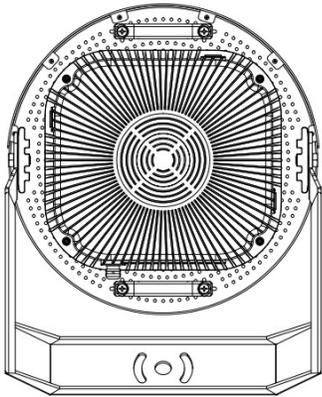


FIG.7

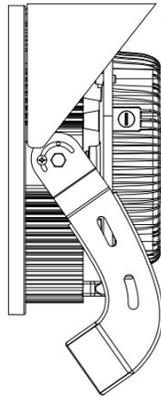


FIG8

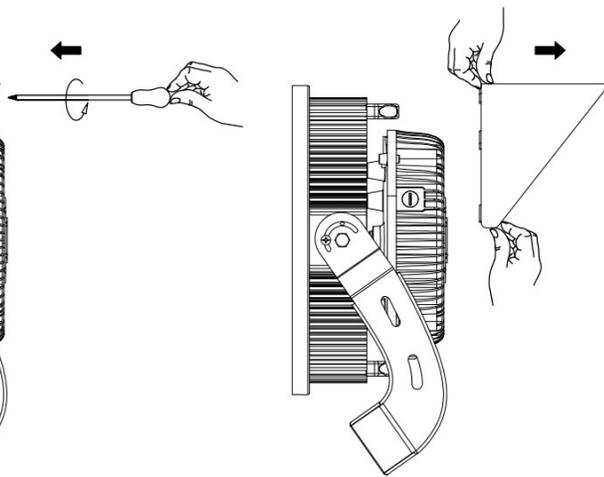


FIG9

- 2) Turn around, slide the shroud onto the fixture from the back, align screw holes and lock with screws. See FIG.10 and See FIG.11.

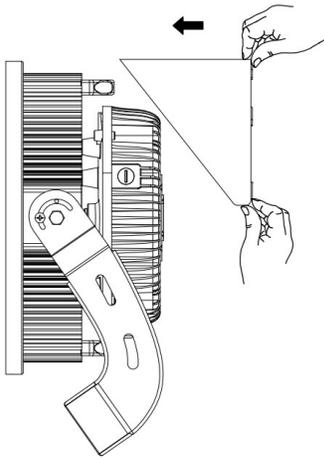


FIG.10

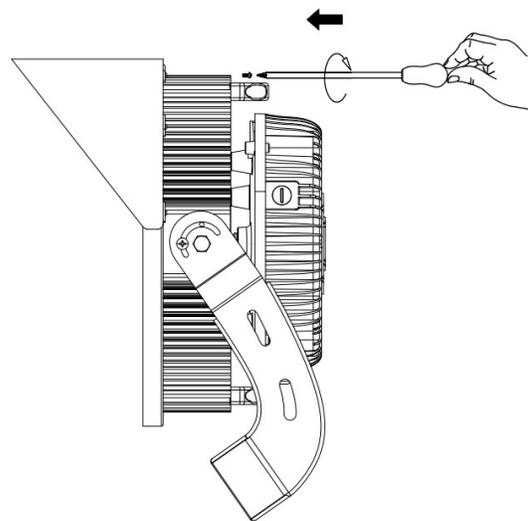


FIG.11

2. Adjust bracket angle

- 1) Loosen 4 pcs screws with cross screwdriver and internal hexagonal wrench, adjust needed angle and tighten screws. See FIG.12 to FIG.15.

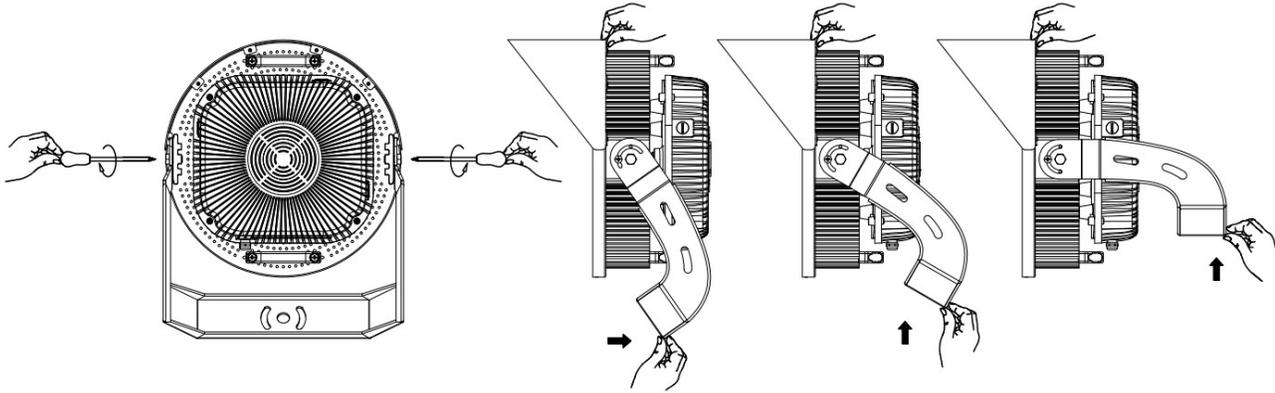


FIG.12

FIG.13

FIG.14

FIG.15

High Mast Mounting

- 1) Drill two holes on the plane, diameter 12mm, 62mm distance, put fix plate on the bracket. See FIG.16 and See FIG.17.

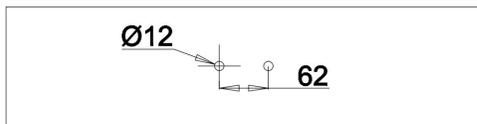


FIG.16

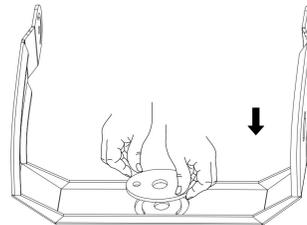


FIG.17

- 2) Put bolts into the fix plate, through the drilled holes. Put flat washer and spring washer on the bottom of the bolt, lock with nuts. See below pictures:

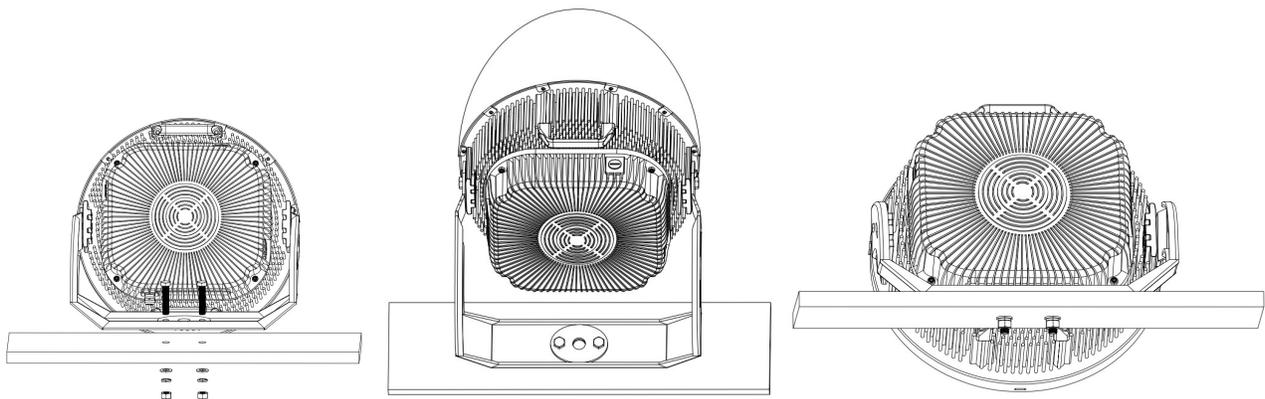


FIG.18

FIG.19

FIG.20

High Bay Mounting

- 1) Drill two holes on the ceiling, diameter 12mm, 150mm distance, dismount the U shape bracket with screwdriver and wrench. See below pictures:

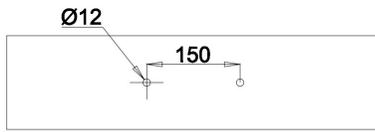


FIG.21

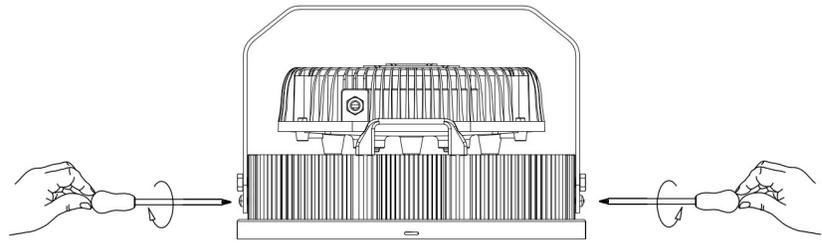


FIG.22

- 2) Align U shape bracket to the drilled holes on the ceiling, use expansion screws, fix the bracket onto the ceiling. See below pictures:

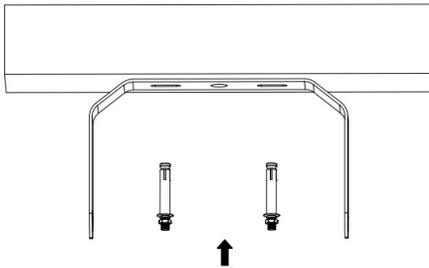


FIG.23

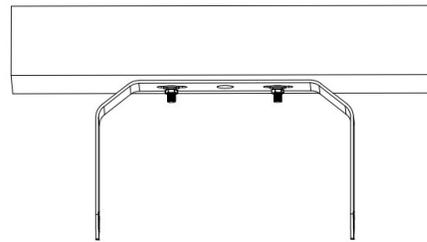


FIG.24

- 3) Install fixture onto the U shape bracket, adjust the angle, tighten screws with screwdriver and wrench. See below pictures:

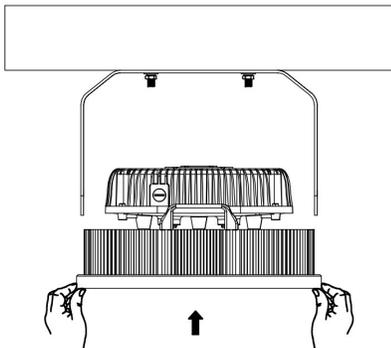


FIG.25

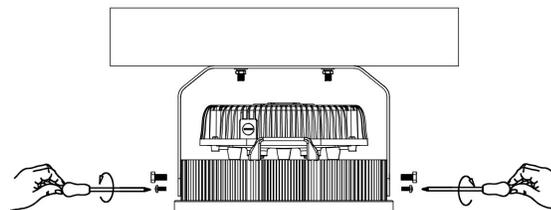


FIG.26

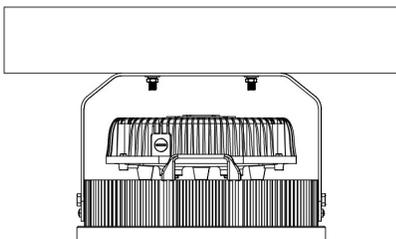


FIG.27

Hook Mounting:

Disconnect power. Adjust the bracket vertically by loosening the screws located on the sides of the bracket (See FIG 28). Attach the hook tightly to existing mounting hardware with offered shim-screw (See FIG.29). Hang up the fixture to the hook from the ceiling securely. (See FIG.30). (IMPORTANT: PLEASE MUST MAKE SURE THE HOOK PROPERLY TIGHTENED.)

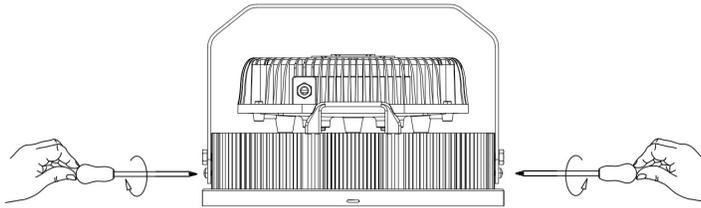


FIG.28

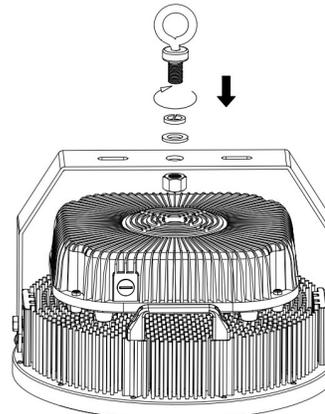


FIG.29

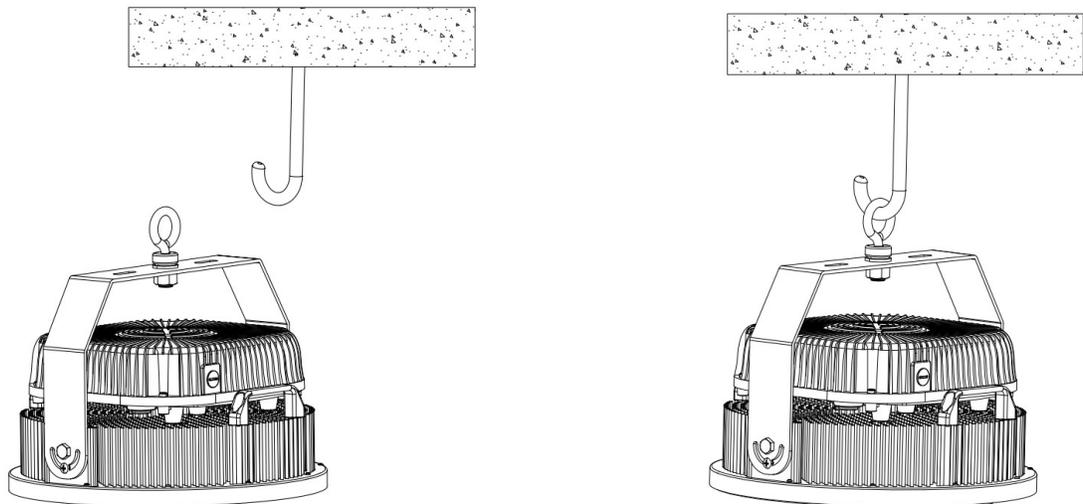


FIG.30

Wall Mounting & Ground Mount

- 1) Select U shape bracket and M10*90mm expansion screws, drill two holes on the wall or ground, 150mm distance. Align U shaped bracket to the holes on the wall or ground, use expansion screws to fix the bracket. Install fixture on the U bracket, adjust the angle, tighten screws with screwdriver and wrench. See below pictures:

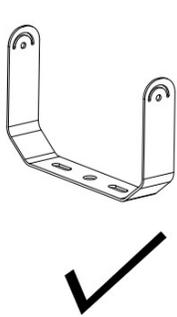


FIG.31

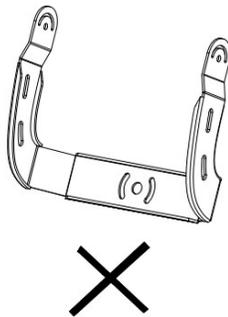


FIG.32

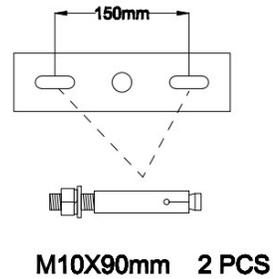


FIG.33

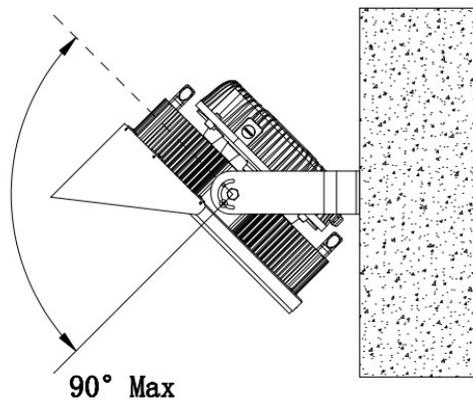


FIG.34

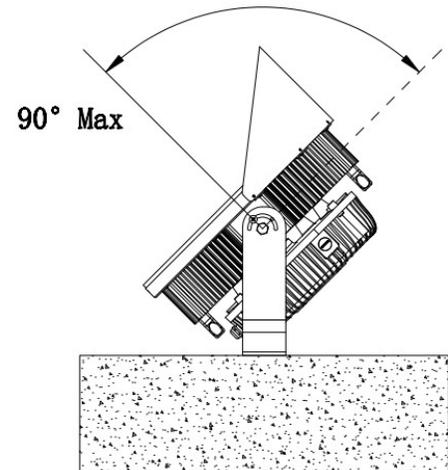


FIG.35

Slip Fitter Bracket Mounting (only for 300W to 500W models)

- 1) Align slip fitter bracket with U shape bracket, use 2pcs M8*24mm bolts and nuts to fix them. Use 4pcs M8*24mm bolts to fix slip fitter bracket on the pole. See below pictures:

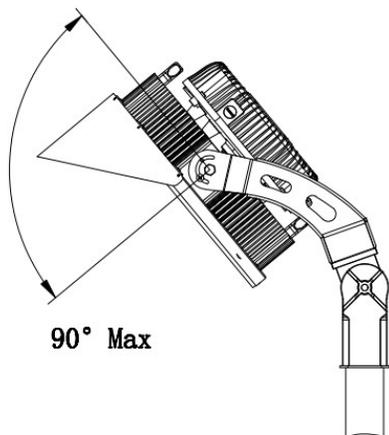


FIG.36

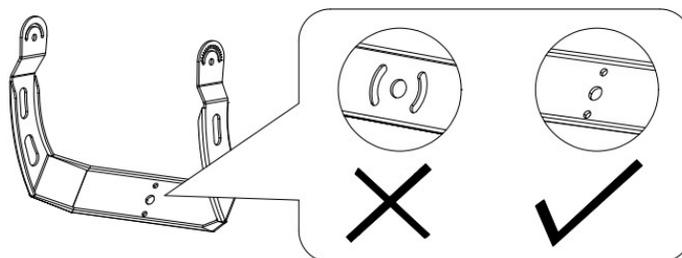


FIG.37

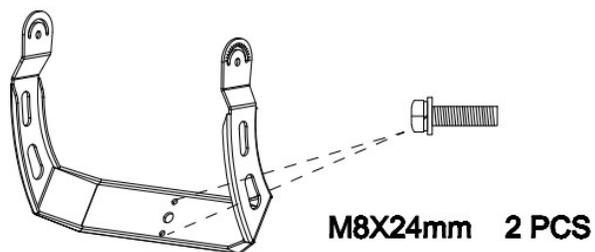


FIG.38

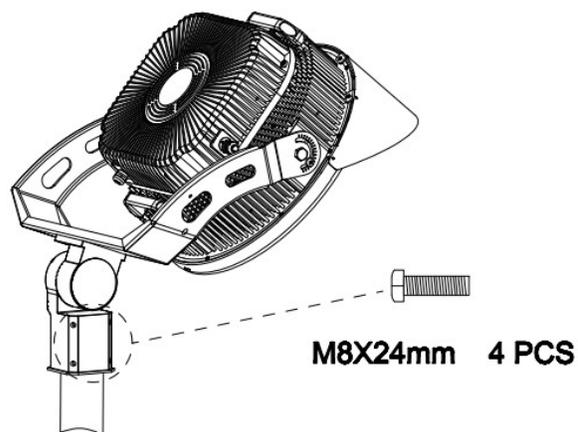


FIG.39

Separate Driver Away from Fixture Installation:

Disconnect power. Fix the fixture on the pole, and put the driver's box at the bottom of the pole or other places. (See FIG 40)

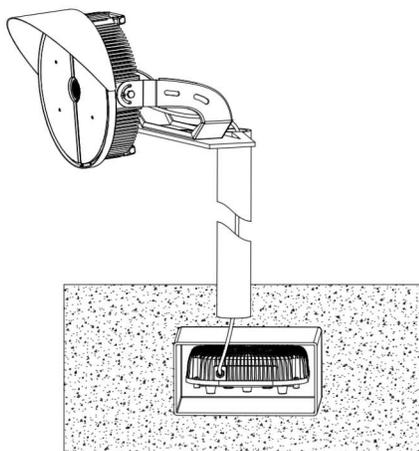
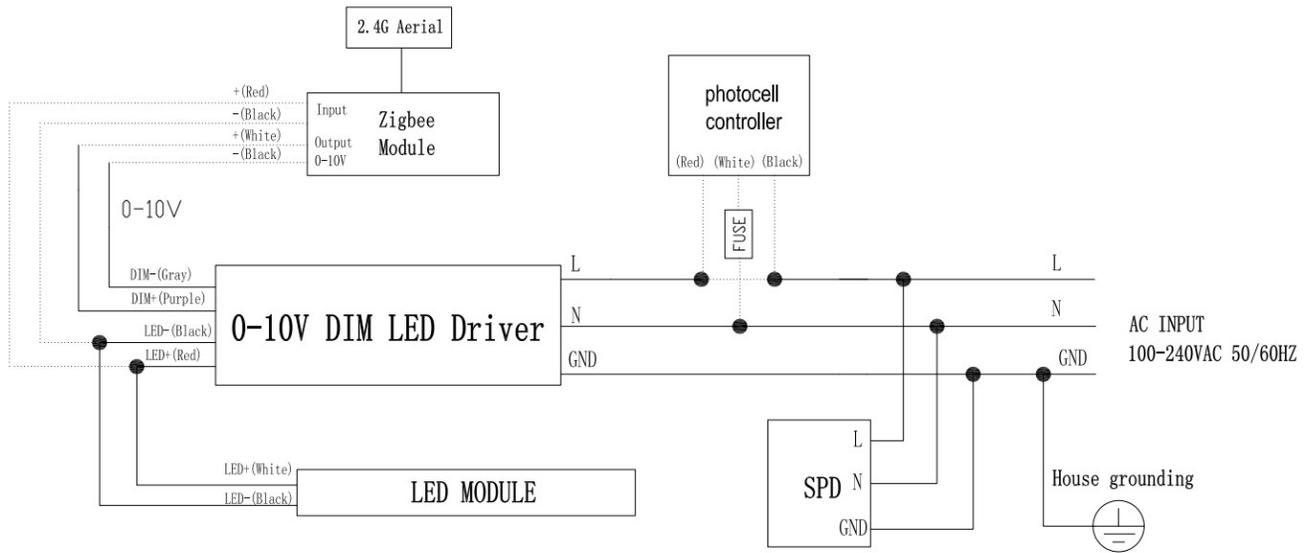


FIG.40

Wiring diagram (dimming and Photocell controller or Photocontrol)



NOTE: ● This refers to the terminal block.

FIG.41

Warning:

- 1, Degree of Protection: IP66, for indoor and outdoor use;
- 2, Normal working temperature range: -20 to 40°C;
- 2, Terminal block not included. Installation may require advice from a qualified person. Installer need to connect the product in an approved junction box with the corresponding IP rating;
- 3, The products with non-user replaceable light source - light source which can only be replaced by the manufacturer, his service agent, or similar qualified person;
- 4, The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed;
- 5, No insulation between dimming circuit and output circuit and dimming cord shall be connected to SELV control system