LED Street Light Installation Guide

- Before Installation

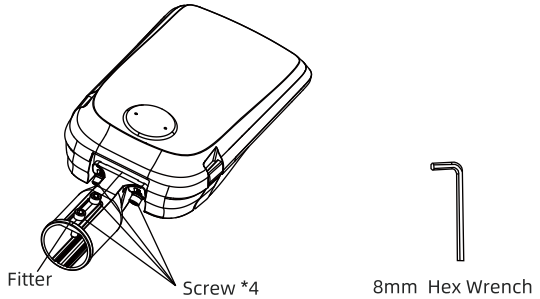
This procedure is designed as an installation aid. Skilled tradespeople who are familiar with general construction and electrical installation techniques should perform the installation. Licensed electricians should provide electrical installation connections. Installations and connections should be done in accordance with all national and local codes and permits. This document is not intended to convey any warranty or fitness for use of the products described, nor is it intended to provide safety instructions for those installing the product.

WARNING

Before proceeding with installation or service maintenance of this product.

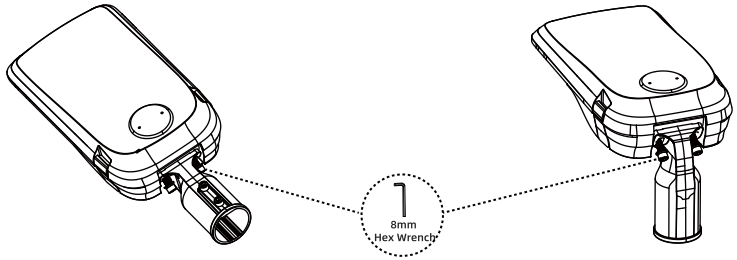
- Disconnect power to reduce electrical shock risk.
- Review the entire Installation Guide.
- Inspect this properly packaged product for any damage that may have occurred during transit.
- Verify product application complies with manufacturer design recommendations.
- Verify the availability of necessary tools and incidental material.
- Verify applicable code requirements. Field assembly and installation are subject to acceptance by local inspection authority.
- Appropriate safety equipment to be determined by end user, per applicable safety standards and precautions.

Installation Tools



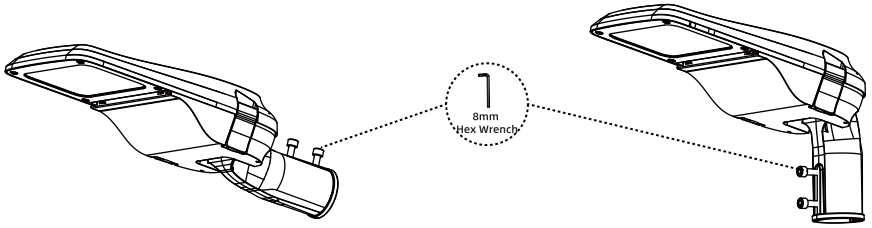
Suitable for light pole diameter

Determine the installation method according to the design of the light pole, adjust the direction of the fitter to support horizontal or vertical installation, and finally use an 8mm hexagonal wrench to fix the fitter and the light body with screws, as shown below.

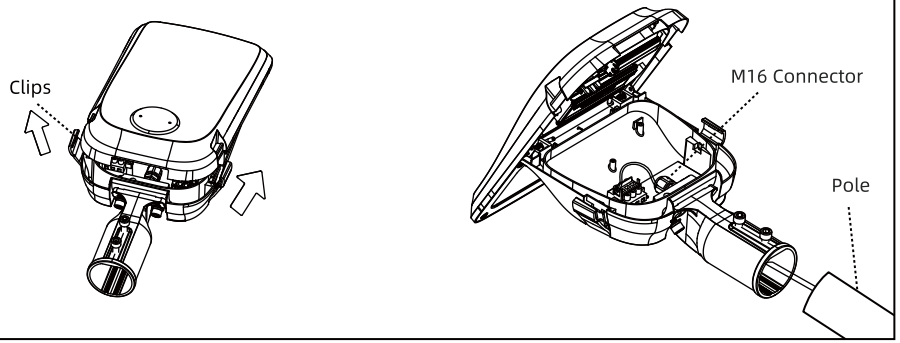


- Installation Steps

1. Loosen the 2 screws on the fitter but do not fully unscrew them.

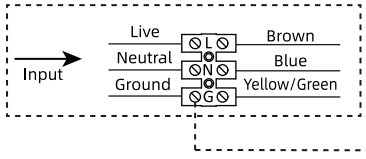


2. Open the clips and Insert the pole and external power cord into the luminaire. Tighten the M16 connector.



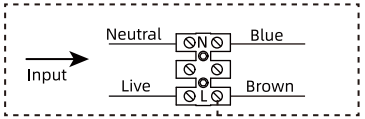
3. Connect the input cable to terminal block or knife switch by screwdriver, be sure to connect the cable correctly. Brown-Live, Blue- Neutral, Yellow/Green-Ground (only Class I version).

Wiring Diagram 1 - Class I BASED



Screwdriver

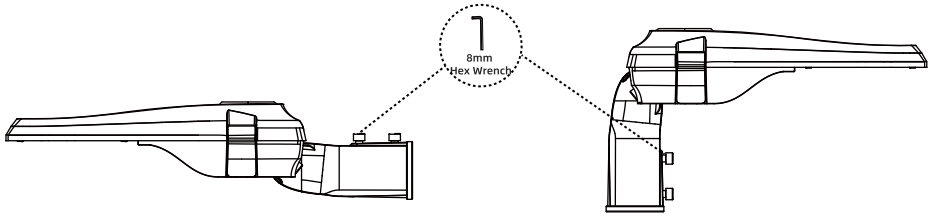
Wiring Diagram 2 - Class II BASED



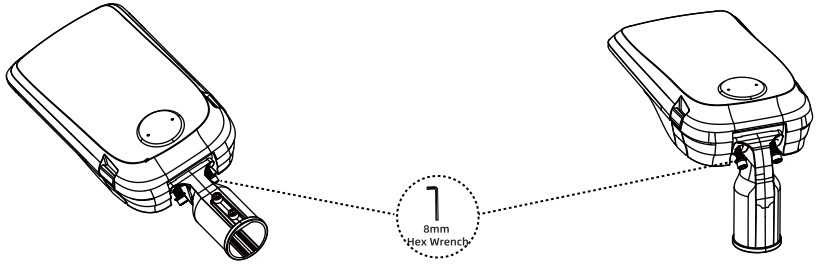
Note: Input cable should be at least H05RN-F 3x1.0mm2(Class I) or 2x1.0mm2(Class II) (SJTW 18AWG) or outdoor grade cable with rubber sheathed(not supplied). The cable must have a minimum cross sectional area of 1.0mm²(18AWG).

- Installation Steps

4. Tighten the two screws.

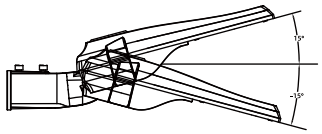


5. If you need to adjust the angle, loosen the two screws by 2-3 turns, but do not fully unscrew them.

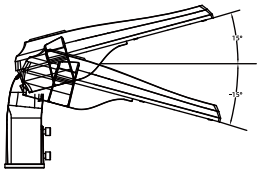


6. Rotate the fixture to the proper angle based on the actual requirement, then tighten two screws behind the fixture on the fitter.

Adjustable tilt angle: ±0-5-10-15°



Horizontal Installation

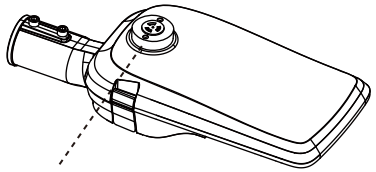


Vertical Installation

-Attention

1. When choosing a light controller for the light fixture, please see the following installation steps.

Photocell Short Cap Smart Controller



NEMA/ ZHAGA Socket

PHOTOCELL (OPTION 1)

If the fixture with PHOTOCELL function, the NEMA Socket will be installed on the cover of fixture. Fit the pins of Photocell to NEMA Socket, firmly insert and rotate Photocell to proper position.
<Verifying>
Make sure all the connections done and photocell is well installed on the fixture, switch on the power supply and cover the window of photocell, wait 5 seconds, the fixture will be turned on.

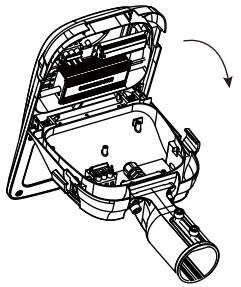
SHORT CAP (OPTION 2)

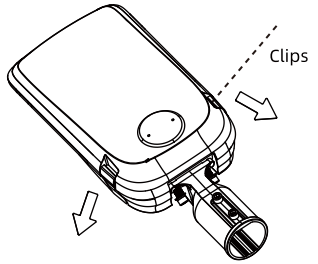
When the light fixture is pre-installed with a 5P or 7P base for future access to a smart control system, it needs to be used with a short cap. Fit the pins of short cap to NEMA Socket, firmly insert and rotate short cap to proper position.

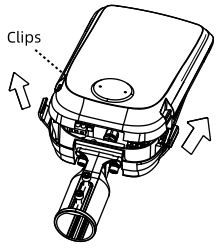
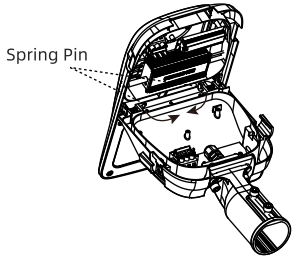
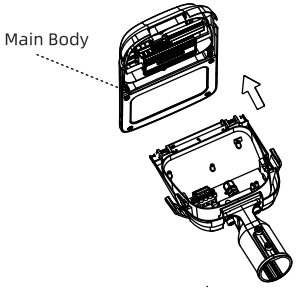
SMART CONTROLLER (OPTION 3)

When the light fixture is used with a smart controller, whether the controller is provided by us or by user, fit the pins of smart controller to NEMA/Zhaga Socket, firmly insert and rotate smart controller to the proper position.

2. Close the cover of driver box, be careful to ensure that the clips are firmly in place.





Removable for easy maintenance

First, open the light fixture by releasing the retaining clips manually. Next, simultaneously press the left and right spring pins inward to detach the main body. Finally, proceed to replace the LED driver, surge protector, or PCB board as needed.