HIGHLIGHT HL-SL-AUR Series Integrated Solar Street Light Installation and Maintenance Manual Introduction

Using only the highest quality components, the HL-SL-AUR Series LED Light Fixture is designed for industrial applications where reliability and performance are critical as the bulb maintenance is difficult or impossible, not to mention the high cost.

Every component of the HL-SL-AUR Series LED Light Fixture has been carefully engineered to provide the most reliable performance and bring across many benefits of utilizing solid state lighting technology in industrial applications. HL-SL-AUR Series LED Light Fixture is rated IP66, suitable for both indoor and outdoor use.

Product Features:

· Multiple choice of optical lenses
· System light efficacy 130 lm/W
· Easy installation and maintenance

Warning

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

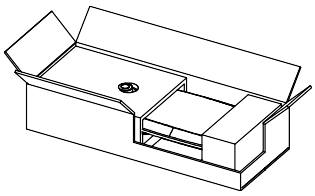
To avoid electric shock:

-- Be certain electrical power is OFF before and during installation and maintenance.
-- Luminaire must be connected to a wiring system with an equipment-grounding conductor.
-- Make sure the supply voltage is the same as the rated luminaire voltage.
-- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
-- Avoid to use in environments containing sulfur, chlorine, or other halides, methyl acetate or ethyl acetate, cyanoacrylates, glycol ethers, formaldehyde or butadiene.

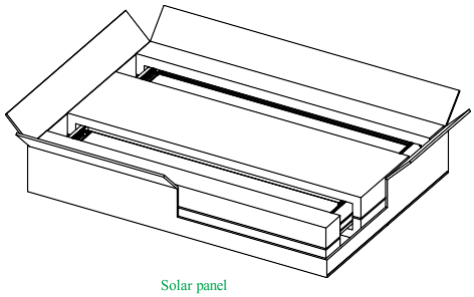
Installation

For high performance and long term reliability, the light should be installed in free air.

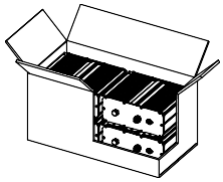
Unpacking inspection



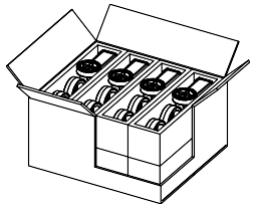
1.The condition of lamps, solar panels, batteries, mounting racks, etc. should be checked toensure they are in good working order and all accessories are complete.



Solar panel

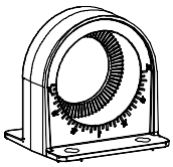


Battery pack



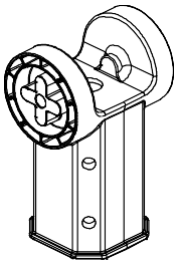
Slip fitter

Each slip fitting is as follows：



Reinforcing slip-fitter 1(2pcs)

Reinforcing slip fitter-2(2pcs)



Reinforcing slip fitter 3(1pcs)

Reinforcing slip fitter-4(2pcs)

Silicone plug (2pcs)

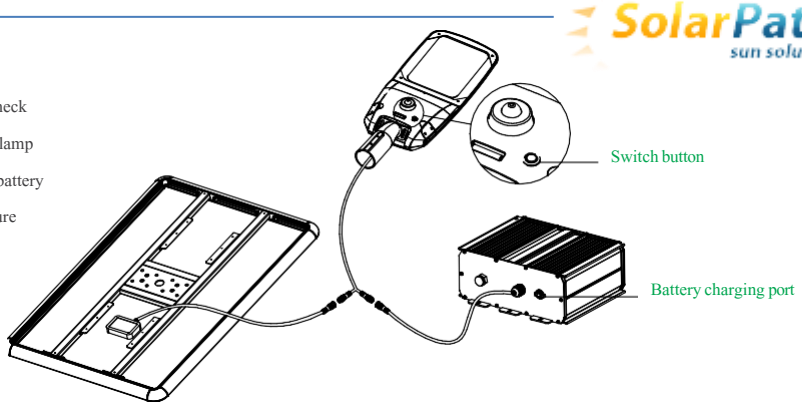
Hex socket combination screws -PM10×20(8pcs)

Hex socket combination screws-PM10×30(2pcs)

Hex socket screws-M10×20 (4pcs)

Hex socket screws-M4×6(4pcs)

2. Connect the line between the lamp and the solar panel,the battery, press the switch, and check whether the performance of the lamp is correct. Press the switch button, wait 5 seconds, the lamp is on, indicating that the lamp is normal. If the lamp is not bright, please check whether the battery power is sufficient, if the battery is out of power, you need to charge the battery. (Note: Ensure that the solar panel is not exposed to light during inspection)



II Installation

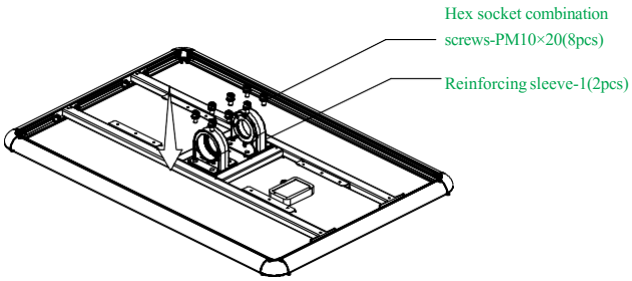
1.Slip fitter installation

a. Install the reinforcing sleeve-1,as shown in the figure.

Use the screws listed below to secure the reinforcing sleeve-1 to the base.

Note: The scale faces outward.

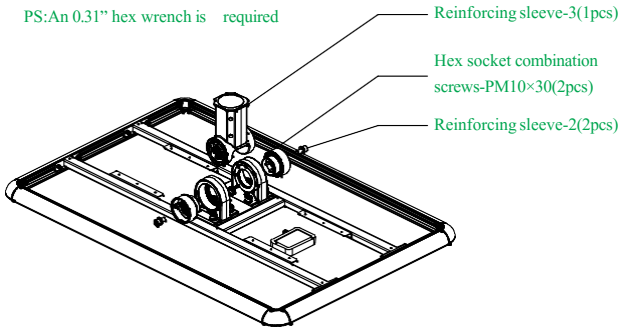
PS:An 0.31" hex wrench is required



b. As shown in the figure, slide the reinforcing sleeve-3 into the reinforcing sleeve-1, insert the reinforcing sleeve-2 into the side of the reinforcing sleeve-3, and then fix them with screws.

Note: The side of the notch in the reinforcing sleeve -2 should face the lamp.

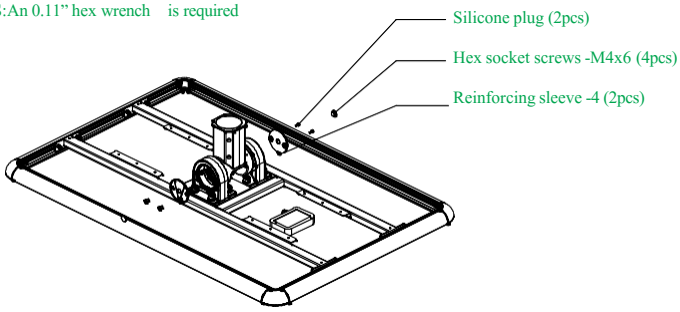
PS:An 0.31" hex wrench is required



c. As shown in the figure, slide the reinforcing sleeve-4 into the reinforcing sleeve-2, fix it with screws, and then plug the holes on the reinforcing sleeve-4 with silicone plugs.

Note: The arrow on the reinforcing sleeve -4 points towards the lamp

PS:An 0.11" hex wrench is required

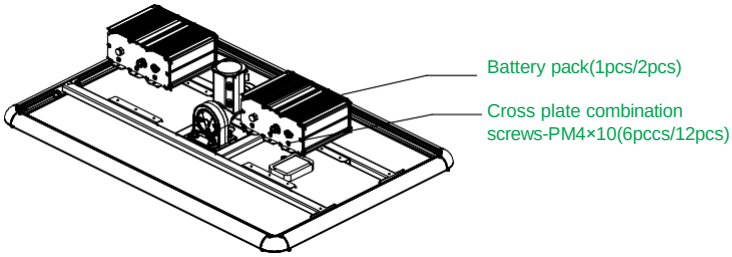


2.Battery installation

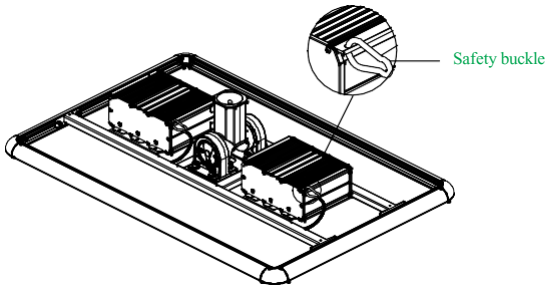
a. Install the battery pack, as shown in the figure.

If there are two battery packs, the outlet cables of the battery packs must face the same direction.

PS: A 0.19" Phillips screwdriver is required

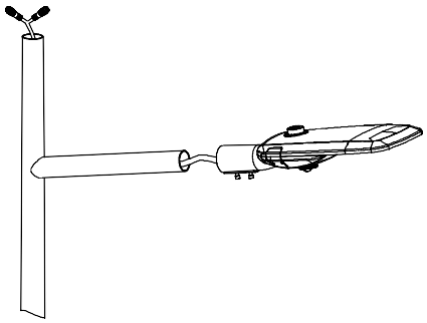


b.Fasten the safety cord to the battery pack,as shown in the figure.



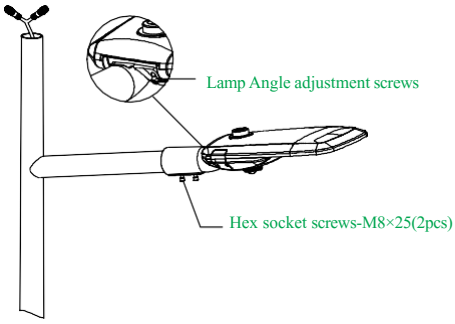
3.Lamp installation

a. As shown in the figure, first thread the lamp outlet into the installation location of the lamp, and then thread out the lamp post from the installation location of the solar panel.



b. Tighten the fixing screws of the lamp, and adjust the lamp to an appropriate angle.

PS:A 0.23" hex wrench is required

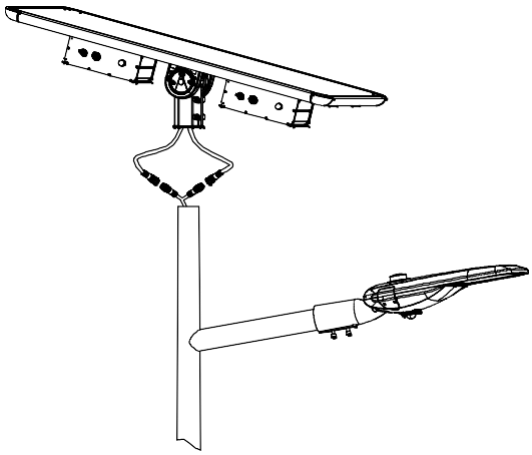


4.Solar panel installation

a. Connect the solar panel to the battery wires and lighting lamp.

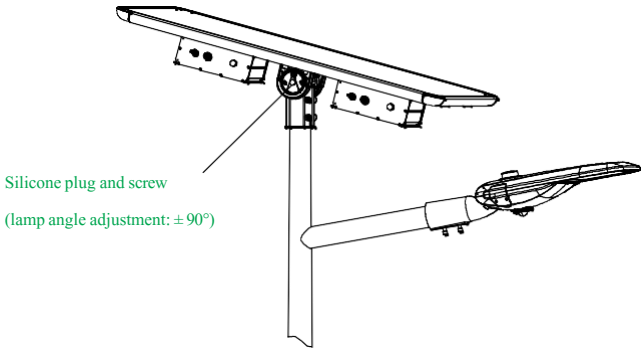
Note: 1. The wires of the solar panel and battery should not be reversed.

2. Two battery packs require an additional one to two towing cable.



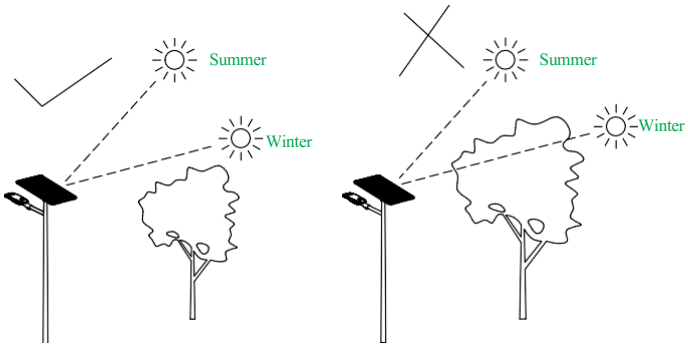
b. Install the solar panel on the top of the lamp post firstly.

Solar panel angle adjustment: Remove the rubber plug, loosen the screw, adjust the solar panel angle to maximize sunlight exposure, and tighten the screw.

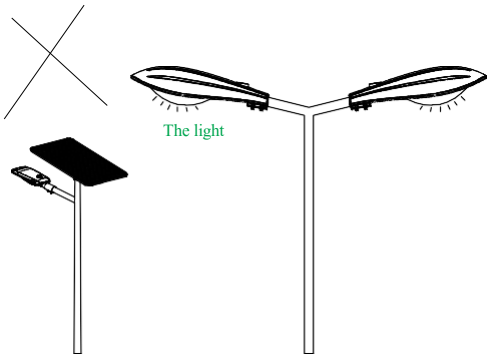


Ⅲ. Matters need Attention

1. The installation position of solar lamps should let solar panel faces the direction of the sun, and there should without any obstructions such as leaves or houses.



2.The installation position of solar lamps should not be illuminated by other light sources of lamps.



All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof is not guaranteed.