

RAYA LED SOLAR PILLAR MOUNT

SKU# 221160

Solar Rated Voltage 4.5 VDC

Battery: LiFePo4 32700 3.2V 6000 mAh

To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation and use of the product. Please keep instructions for future reference.

Warranty

- This product is covered by a 5-year warranty (excluding battery) valid for in-store replacement or refund only.
- The warranty period starts from the date of purchase. Please retain the proof of purchase.
- Warranty will be void if there is any damage due to improper usage or modification to the fitting.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void warranty.

Installation Requirements

- Select a suitable location for installation.
 - This product is suitable for outdoor use only.
 - This product protects against water penetration to IP65 standards, which is low pressure jet of water in every direction and is not designed to be immersed in water.
 - Keep the solar panel clean and make sure the shadows of trees and buildings do not fall on solar panel.
- Lay out all the components on a smooth surface and make sure there are no components missing before assembling. If parts are missing, return the complete product to the place of purchase for inspection or replacement.
- Check whether the fitting has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.

Sensor Information

RADAR SENSOR:

The luminaire has a radar sensing device which continuously scans the operating zone and immediately switches the luminaire to higher lumens when it detects any movement in that area. Whenever movement is detected within the sensor range, the luminaire will illuminate the area up to 1500 lumens.

NOTE: While there are movements within the sensor range, the luminaire will remain on

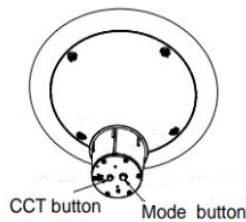
SENSOR LOCATION & DETECTION:

- The detection range is approximately less than 8m, with an angle of 120°.
- The detection area will vary depending on the mounting height and items in the detection area.
- Please install the sensor away from metal objects, as metal may interfere with radar signals.
- To avoid interference between radar sensors, maintain sufficient distance between each fixture during installation.
- Avoid installing the sensor in areas with trees, bushes, animals, or other natural elements within the radar detection range as these can cause false alarms.
- Do not install the radar sensor in environments with strong electromagnetic interference such as power stations, signal towers, high-voltage lines, power distribution boxes, industrial machinery, or household appliances, as these may disrupt sensor operation.

NOTE: Please refer to the sensor label (☞) on the luminaire before installation to ensure the intended detection area is accurately covered and to avoid false triggers or blind spots.

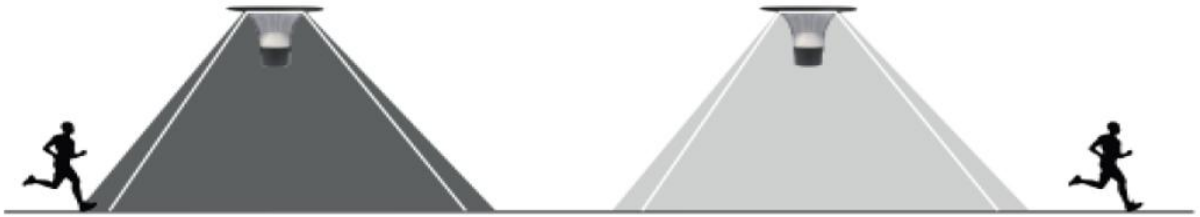
Operation Directions

1. Remove all the packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging materials.
2. Using mounting base as a template drill 3 holes with a diameter of 8mm and a depth of 65mm on the mounting surface. Lock the mounting base onto the mounting surface using expansion bolts.
3. Set colour temperature & work mode by using the buttons located under the lamp:
 - CCT Button – Press to switch between warm white and cool white.
 - Working Mode Button – Press to switch modes:
 - Press 1st time: Lamp flashes once → Sensor Mode
 - Press 2nd time: Lamp flashes twice → Lighting Mode
 - Press 3rd time: Turns OFF



- **SENSOR MODE:**

Luminaire automatically lights up at night, automatically turns to full brightness when motion is detected in the range less than 8m, then dims to lower brightness after 20 seconds of no motion.

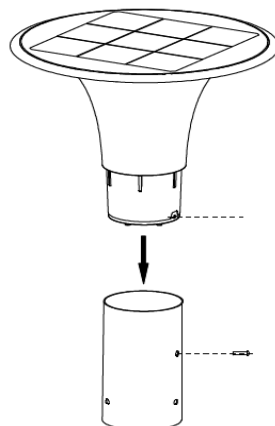


- **LIGHTING MODE:**

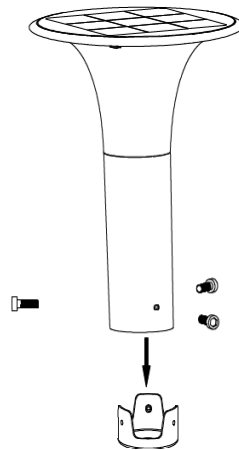
Luminaire automatically lights up at night and keeps 60% brightness, after 5 hours it turns automatically to sensor mode.



4. Insert the lamp head into the pole in the correct direction and secure with provided (M4* 8) screws.



5. Now attach luminaire onto the base and secure with 3 screws (M5 * 10) provided.



6. This fitting has a built-in 32700 6000mAh rechargeable battery, where charging time is 6 to 7 hours under direct sunlight. Light up time is approximately 24 hours (sensor mode) and 12 hours (lighting mode) when fully charged.

Safety tips

- Do not drop the system or make impact to the system.
- Do not turn on the ON/OFF switch during transportation, faulty condition, or dangerous condition (battery leakage, control unit box damaged / burned / high temperature).
- Do not install the fitting in a position where sunlight cannot reach the solar panel.
- Young children should be supervised to ensure that they do not play with the luminaire.
- To clean wipe with a soft damp cloth. Do NOT soak or immerse the luminaire in water or other liquids.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life, the whole luminaire shall be replaced. There are no serviceable parts, do not attempt to dismantle or open the luminaire.
- Dispose of exhausted batteries immediately and safely (so they cannot be retrieved by children). Contact your local council to dispose of the battery safely.

Specifications

SKU	221160
Solar Rated Voltage	4.5 VDC
Battery specs	LiFePo4 32700 (3.2V 6000 mAh)
LED light	1500 lumens, 15W max, 3000K/4000K
IP Rating	IP65
Light up time	Approximately 24 hours (sensor mode) and 12 hours (lighting mode) when fully charged
Dimensions	H: 230mm D: 257mm
Weight	1.3kg