

TAYLOR SOLAR BOLLARD

SKU# 221120

Rated Voltage 5 VDC

Battery: 2 x 18650 Li-ion 3.7V 2200 mAh

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

Warranty

- This luminaire 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 luminaire is suitable for outdoor use only.
 - This luminaire is protected against water penetration to IP54 standards, which is splashing 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 luminaire which appears damaged in any way. Return the complete luminaire to the place of purchase for inspection, repair or replacement.

Sensor Information

MICROWAVE SENSOR:

This luminaire has a 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 increase up to 250 lumens automatically to illuminate the area.

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

SENSOR LOCATION & DETECTION:

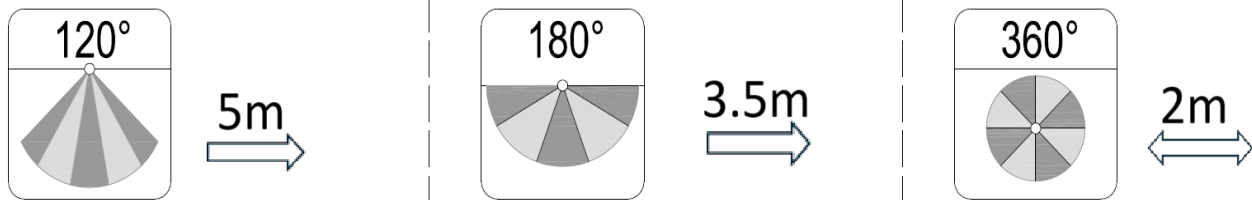
- This luminaire is equipped with a microwave sensor that adjusts its detection angle based on the proximity of movement. The detection coverage is as follows:
 - Up to 5 meters: The sensor detects motion within an angle of 120°.
 - Within 3.5 meters: The detection angle expands to 180°.
 - Within 2 meters: The sensor provides full 360° detection.
- The detection area will vary depending on the mounting height and items in the detection area.
- If movement is made walking directly towards or away from the sensor and not across its detection area, the detection range will be substantially reduced.
- The detection area may also alter at different temperatures. Microwave sensors are more sensitive in cold weather than warm weather.

NOTE: Sensor can detect movements through thin walls and glass.

- To avoid false triggering:
 - The sensor should be directed away from potential heat sources such as barbecues, air conditioners, exhaust vents etc.
 - Avoid areas with strong electromagnetic disturbance, outside lighting, moving cars, trees, or pets etc.
 - Do not aim towards reflective surfaces, such as smooth white walls, swimming pools, ponds etc.

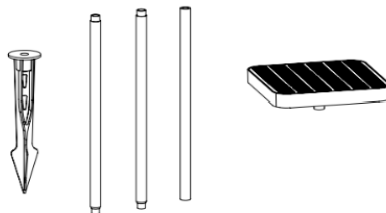
NOTE:

- 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.
- The detection angle and distance shown in the image below refer to motion in the direction facing the sensor.

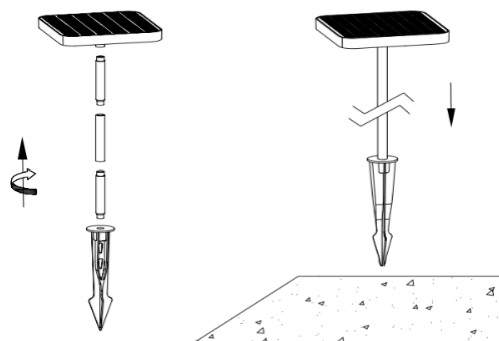


Installation directions

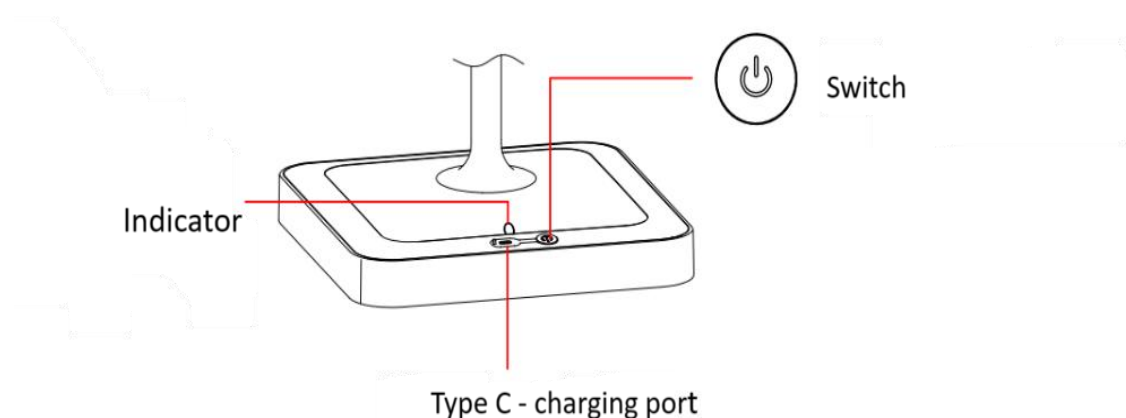
1. Remove all packaging material from the luminaire and be careful not to throw away accessories that may be hidden within the packaging materials.



2. Attach threaded rods to the top of spike by rotating clockwise. Luminaire is installed to the top of threaded rod and insert the spike spot end of the luminaire into the ground.



3. To turn ON/OFF, long press the switch button for 5 seconds.



4. The luminaire will be on for 6 hours with 30 lumens when the daylight is less than 30 lux until the sensor detects movement within the sensor range. The luminaire will turn on at 250 lumens during detection and return to 30 lumens after 30 seconds.
5. Luminaire will be reset when the daylight is more than 30 lux.

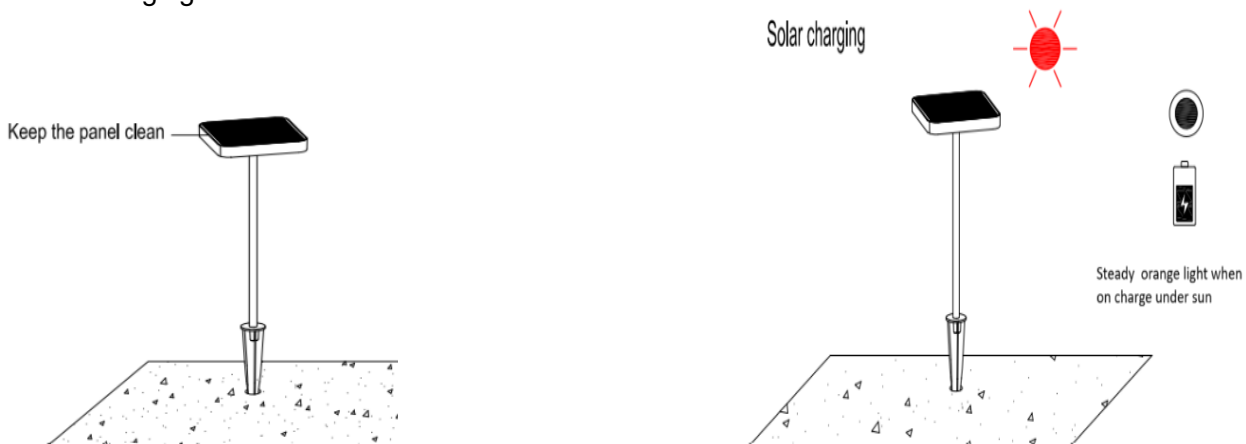
This luminaire has a built-in rechargeable lithium battery. (18650E, 3.7VDC, 4400mAh). Battery can be charged by two methods, please refer below for solar charging and USB-C charging.

NOTE:

- **Battery uses overload protection function to avoid overcharging issues.**
- **Full charge the battery before initial use and should be charged in regular intervals to prolong battery lifetime.**
- **At least charge every three months to avoid battery damage.**

SOLAR CHARGING:

The average time of luminaire to get charged under sun is 10 hours. Keep the panel clean and make sure the shadows of trees and buildings do not fall on panel. Steady orange light on indicator occurs when luminaire is on solar charging.



USB-C CHARGING

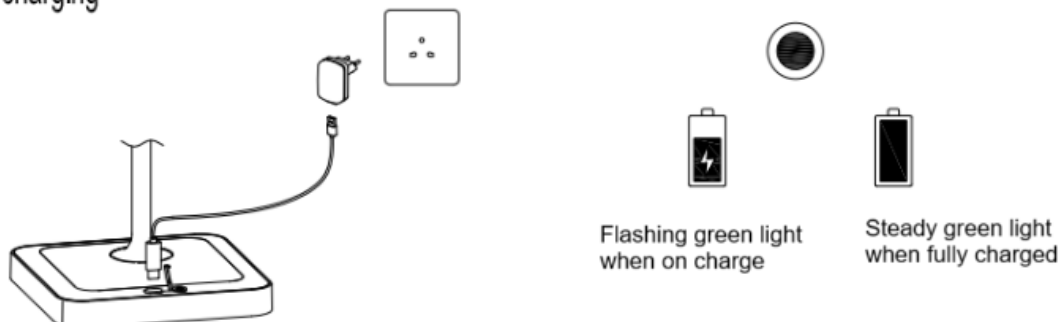
Use the C-type cable provided with the compatible adapter (not included) to charge luminaire. Remove the waterproof plug and use the USB-C Port for charging. Different modes of charging indicate if:

- Green light is flashing on indicator, then luminaire is under charging.
- Green light is steady on indicator, luminaire is fully charged.

NOTE:

- **Do not charge the luminaire more than 5 hours.**
- **Restore the waterproof plug back to luminaire after charge to maintain IP standards.**

Type-C charging



Safety tips

- Always ensure the power is OFF and the luminaire has cooled down before performing any maintenance, cleaning or making any adjustment to the luminaire.
- Young children should be supervised to ensure that they do not play with the luminaire.
- Handle the luminaire with care to avoid any damage or breakage.
- 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	221120
Solar Rated Voltage	5 VDC
Battery specs	2 * Li-ion 18650 (3.7V 2200 mAh)
LED light	250 lumens, 2W max, 3000K
IP Rating	IP54
Light up time	Approximately 8 hours when fully charged
Dimensions	H: 1110mm W: 165mm L:165mm
Weight	1.1kg