



SPECIFICATIONS

Wattage: 2W

Lamp: Epistar 2W SMD 2835 LED Chips 10 *18 mil (120° Beam Angle)

Colour Temperature: CCT Switch - 3000K (Warm) / 6000K (Daylight)

Lumen Output: 220 - 240 lm

LED Life Expectancy: up to 50,000 hours

Sensor: Light / Charge Sensor

IP Rating: IP65

Battery Type: Lithium - 3.2v 12Ah LiFePO4 (replaceable)

Battery Charge Time: 6-8 hrs full sunshine (approx.)

Max Illumination Time at Full Charge: Up to 23hrs

Solar Panel: 5v / 3.5W Monocrystalline Solar Panel – Grade A

Materials: CorTen Steel & High Impact Polycarbonate

Weight: 10KG (approx.)

Mounting: Internal Surface Mount (supplied)

Lighting Function: 1hr 100% + 2hrs 80% + 2hrs 50% + 9hrs 30%

Working Temperature: -25°C ~ 55°C

Included: Head c/w Battery, Tubular Body / Internal Mount, Rubber Bung, Expanding Anchor Bolts (12mm)

Optional Accessories: Ground Spike, Security Pin-hex Screw Kit, Remote control

UK REGISTERED DESIGN: 6450830

Made in China to
Lumena Specification

160mm



800mm



UK
CA

CE

✓
RoHS



✓✓✓✓
**5 YEAR
GUARANTEE**

WARNINGS



- If a fitting is found to be damaged, cease use immediately.
- The unit may get warm whilst on for a period of time.
- Always take care when installing your solar light.
- Fitting must be mounted to a solid surface using relevant 12mm bolts or set into concrete with J-Bolts
- This Solar Light will not charge correctly if the panel is behind glass or artificial light is used.
- Ensure the waterproof bung is in place at all times, other than when turning the unit on/off or adjusting LED.
- Due to temperature difference in and outside the fitting, condensation may be present internally but will not affect use.
- Do not tamper with wiring or batteries as this may result in a short circuit or shock.

CLEANING & MAINTENANCE:

Occasional cleaning and care are recommended for this product. Wipe with a soft, slightly damp cloth to remove any surface dirt. To maintain efficiency, specifically clean the solar panel and polycarbonate lens on a regular basis. Also, keep the solar panel free of debris and snow to prevent reduced battery life or malfunction. Do not use abrasive cleaners or a lot of water as this could damage the fitting. Please refer to our website for more information on the best way to clean different materials.

CORTEN STEEL:

Corten steel is known as weathering steel. As well as its unique appearance, it creates a protective self-healing layer on the surface of the bollard as it weather, which then resists atmospheric corrosion. As a weathered steel, no two pieces will be the same, each with a unique, rust-like patina.

INSTALLATION:

The Litecharga is designed to be mounted on a low wall, patio, wood or set in concrete (J-Bolts – sold separately) via the internal surface mount. Alternatively, a heavy-duty groundspike (sold separately) can be used in private areas. Pin-Hex Security Screws (stainless steel) recommended for use where vandalism is a higher risk e.g. public areas.

Location – It is important that the installation location is carefully considered, avoiding shady areas. Ensure there is no other lights which could interfere with the light, imitating daylight and forcing the light off.

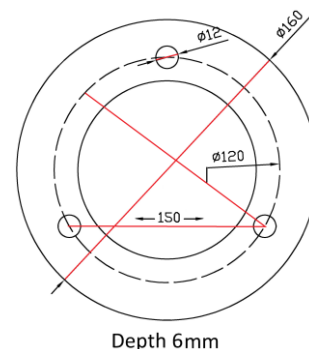
Recommended spacing is 3m apart for substantial path lighting. Closer spacing / staggering will result in a more intense light.



1. To surface mount, remove the internal base from the bollard by unscrewing the 3 x cross head screws at the bottom of the bollard tube, then lift off – slight force or manipulation may be required.
2. Use the base to mark the mounting holes on the mounting surface.
3. Remove the mounting plate and drill out the 3 holes marked at the relevant depth and diameter for the mounting screws / wall plugs being used (varies based on mounting surface) – Anchor bolts recommended, and supplied (12mm x 50mm)
4. Secure the mounting base in place – large washers may be required.
5. Replace the bollard body, lining up the 3 x holes at the base.
6. Replace the 3 cross head screws removed in point one to secure in place.

For root mounting, use J-Bolts, set in concrete instead of anchor bolts (sold separately).

IMPORTANT Drainage hole located approximately 7cm from the bottom of the bollard must be above ground and uncovered at all times.



SETTINGS:

The Litecharga has a pre-set time controlled setting which cannot be changed. At dusk, the bollard will illuminate at full brightness, and then follow a gradual dimming sequence until it reaches 30% brightness after 5 hours. From then on it will remain at 30% until dawn. This sequence is to ensure maximum charge is retained.

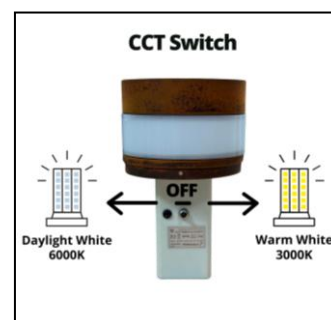
IMPORTANT – SOLAR BOLLARD MUST BE TURNED ON AT ALL TIMES AFTER INSTALLATION

If the bollard is left in the off position, you may be prompted to turn the fitting on by strobing.

Solar bollard will only charge when in the ON position.

CCT Colour Switch – Power Switch

- 1) Pull out the waterproof rubber bung located just below the polycarbonate lens, in-line with the Lumena Logo,
- 2) Using a flat head screwdriver (or similar), flick the 3 position switch to the relevant setting.
- 3) Replace the waterproof, rubber bung.



NOTE: There will be a 2-5 second delay between turning the solar light on, and the bollard illuminating. In daylight, the light will turn back off within a few seconds, in darkness it will remain on and follow the time controlled cycle. If battery charge is low, the unit will dim to low brightness to retain charge for as long as possible.

STORAGE:

When storing the bollard, be sure to turn the bollard to the off position by following the above steps (check by covering and uncovering the solar panel). Once pressed, the on/off button will release fully forward. Maximum 6 months storage when fully charged – recharge will be required periodically to prevent damage to battery over long periods of time.