LITECHARGA Professional Solar Bollard Light

LCHARG800-CCT

USER MANUAL

THANK YOU FOR YOUR PURCHASE
PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION / MAINTENANCE

SPECIFICATIONS

LED: Epistar 2W SMD 2835 LED Chips 10 *18 mil (120° Beam Angle)
Colour Temperature: 3000K (Warm White) / 6000K (Daylight White)
Lumen Output: 220 - 240 lm
LED Life Expectancy: up to 50,000 hours
Sensor: Light / Charge Sensor
Illumination area: Up to 3m (diam.)
IP Rating: IP65
IK Rating: IK10 – MAIN BODY (polycarbonate lens & solar panel IK06)
Battery Type: Lithium - 3.2v 12Ah LiFePO4 (replaceable)
Battery Charge Time: 6-8 hrs full sunshine (approx.)
Discharge Time from Full Charge: Up to 23hrs
Solar Panel: 5v / 3.5W Monocrystalline Solar Panel – Grade A
Lighting Function: 1hr 100% + 2hrs 80% + 2hrs 50% + 9hrs 30%
Materials: 6063 Die Cast Aluminium & High Impact Polycarbonate, SS Screws
Net Weight: 4.95KG (approx.)
Mounting: Internal Surface Mount (supplied)
Working Temperature: -25°C ~ 55°C
Included: Bollard & Internal Mount (assembled), Mounting Bolts,
6x M5 Pin Security Torx Screws (3x Head / 3x Base) and 1x T25 Pin Security Torx Key
Optional Accessories: Root Mount J-Bolt Kit, Pin-hex Security Screw Kit

UK REGISTERED DESIGN: 6074583

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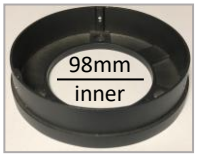
5 YEAR GUARANTEE
see website for more details



SAFETY WARNINGS

Made in China to Lumena Specification

- 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 or using relevant anchor bolts / J-Bolts
- This Solar Light will not charge correctly if the panel is behind glass or artificial light is used.
- Ensure the head is screwed in place at all times, other than when turning the unit on/off.
- Ensure sufficient drainage around the base of the bollard.
- Due to temperature difference in and outside the fitting, condensation may be present internally but will not affect use.
- Do not look directly at the light source
- **BATTERY WARNING:** Damaged batteries can leak, swell, catch fire or explode. Always handle with care and recycle correctly. If batteries have signs of damage, cease use immediately. If batteries are swallowed this can result in chemical burns, damage to soft tissue or death. Seek medical attention immediately. **KEEP OUT OF REACH OF CHILDREN**
- Do not tamper with wiring or batteries as this may result in a short circuit or shock.

CLEANING & MAINTENANCE:

Occasional cleaning and care is 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, scourers 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.

GUARANTEE, RETURNS & DISPOSAL:

If purchased from a 3rd party, please contact your supplier. If purchased direct, contact us by phone or email:
Lumena Lights Ltd, Centre 33 Long March, Daventry, NN11 4NR Tel: +44 1327 871161 Email: sales@lumenalights.com
Our full returns policy is available on our website.

DISPOSAL / RECYCLING: Waste Electrical Products & Batteries should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging.

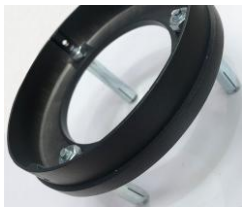
Producer Registration Numbers: WEE/KC3440XY / BPRN0843

Full product range & more information: **www.lumenalights.com**

2026-04-07-v2b

INSTALLATION:

Designed to be mounted on a low wall, patio, wood or set in concrete (J-Bolts – sold separately) via the internal surface mount. **Recommended spacing is 3m apart for constant path lighting. Alternative spacing / staggering will affect intensity of light.**

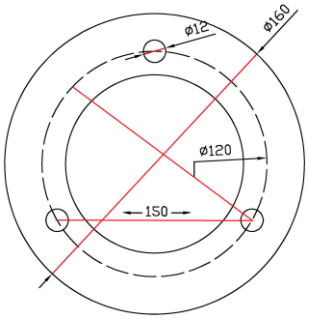


Location – It is important that the installation location is carefully considered, avoiding shady areas. Ensure there are no other lights which could interfere with the light, imitating daylight and forcing the light off.

TEST BEFORE INSTALLATION

To surface mount:

1. Remove the base from the tube using the T25 pin security torx key provided.
2. Use the base to mark the 3 x mounting holes on the mounting surface in the correct position.
3. Remove the mounting base and drill out the 4 holes marked at the relevant size for the type of screws / bolts to be used (varies based on mounting surface) – Anchor bolts recommended.
4. Replace the bollard body / tube, lining up the 3 x holes at the base.
5. Secure in place with screws / bolts.
6. Replace the 3x M5 Pin Security Torx Screws removed in point one to secure in place.



Depth 6mm

IMPORTANT: Always allow sufficient drainage at the base of the bollard and ensure the drainage hole located in the lower tube is uncovered at all times, with no obstructions.

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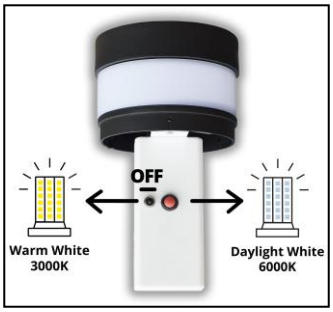
MAX. SCREW DIAMETER = 12MM (M12) – recommended 70-100mm length.
DO NOT OVERTIGHTEN.

For root mounting: use J-Bolts attached to the mounting base and set in concrete (sold separately).

MODES / SETTINGS:

This bollard 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. Active Smart Power System reduces brightness when battery is low to retain illumination for as long as possible.

CCT Switch **Fig.1**



CCT Colour Switch – Power Switch

1. Before installation, remove the head from the tube and locate the **RED Power Button**. Press once to turn on the power.
2. Select preferred colour temperature by flicking the **CCT Switch** left (warm white) or right (daylight white), as displayed in **Fig.1**.
3. Test by covering the solar panel fully & await illumination (within 5 seconds)
4. Secure the head using the 4x screws provided, loosely fastening initially for correct alignment and rotating screw tightening until fully secured.

IMPORTANT – SOLAR BOLLARD MUST BE TURNED ON AT ALL TIMES AFTER INSTALLATION
If the bollard is left in the off position outside, you may be prompted to turn the fitting on by strobing. Solar bollard will only charge when ON.

ADDITIONAL INFORMATION:

- The internal power button and CCT switch must be switched on/selected for the light to work and charge as expected.
- 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, until the end of the 12 hour cycle, first light or battery depleted (whichever comes first).
- To test during daylight, cover the panel.
- Memory Function:- previously selected setting will be remembered each night and when turned on/off.

STORAGE & CHARGE CYCLES:

When storing the bollard, be sure to turn the bollard to the off position (see above). Check it is off by covering and uncovering the solar panel to see if the light illuminates. It is recommended to drain the battery prior to storage. Once turned off, the on/off button will release fully forward. Stored solar bollards must be put through a full charge cycle at least every 6 months to prevent damage to battery.

6 MONTH CHARGE CYCLE PROCESS:

1) Turn on, cover panel and leave illuminated until battery fully depleted (test by uncovering and recovering)
2) Once depleted, remove the panel cover and leave outside to charge for a full day.
3) Leave on after charging and recharge the following day. It can now be turned off and stored for another 6 months.

TROUBLESHOOTING: If in doubt, or you have any issues or queries, please contact the retailer / manufacturer

If the luminaire is not illuminating, check the location for shade and obstructions, and check for signs of damage / water ingress. If weather has been poor, charge during the day, turn off overnight, and turn on to recharge for a second day (supercharge). If it illuminates as expected, it is likely the result of particularly poor weather conditions. If light is dim, try the supercharge – if this does not fix the issue, it may be down to a worn out / weak battery. Debris or dirt on the solar panel may also reduce charging and illumination time – keep panel clean and clear. When battery is at a very low capacity, the light output will be dimmer than usual. If testing during daylight, the solar panel must be covered to mimic night time.