

# USER MANUAL

## Streetmaster Solar Street Light



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

### SPECIFICATIONS

**Wattage:** 80W

**Lamp:** 160 pcs Sanan 2835 0.5w LED chips

**Colour Temperature:** 6000K (Daylight White)

**Lumen Output:** 2700 lm

**LED Life Expectancy:** Up to 5 Years

**Sensor:** Light / Charge Sensor (15 Lux)

**IP Rating:** IP65

**Battery Type:** Lithium Ion – LifePO4 3.2v 30AH (Zhoucai) Replaceable

**Battery Charge Time:** 3-5 hrs full sunshine (approx.)

**Max Illumination Time at Full Charge:** Up to 12 hours

**Solar Panel:** 5v / 25W Single Silicon

**Materials:** Die Cast Aluminium, UV Stop Polycarbonate & Tempered Glass

**Weight:** 7KG (approx.)

**Collar:** 76mm Diameter

**Install Height:** 3-5m recommended

**Lighting Function:** Constant On / 1 hour 100%, 1 hour 80%, 1 hour 60%, 4 hours 40%, 5 hours 20%

**Working Temperature:** -20°C ~ 55°C

**Included:** Solar Light, Rubber Bung, 4 x Socket Screws

**UK REGISTERED DESIGN:** 6148070



**5 YEAR  
GUARANTEE**

see website for  
more details



### 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, especially when installing in high places (2 person install).
- Ensure the fitting is mounted out of range of head height to avoid injury.
- Fitting must be mounted to a secure post.
- 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.
- Due to temperature difference in and outside the fitting, condensation may be present internally but will not affect use.
- For replacement battery, contact the manufacturer.

### 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 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.

### RETURNS:

**If purchased from a 3<sup>rd</sup> party, please contact your supplier. If purchased direct, contact us by phone or email:**

Exterior Lights UK Ltd Tel: +44 1689 606342

Email: [sales@exteriorlights.co.uk](mailto:sales@exteriorlights.co.uk)

**Our full returns policy is available on our website.**

Waste Electrical Products should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging whenever possible.

**Producer Registration Numbers: WEE/KC3440XY / BPRN0843**

Full product range & more information: [www.exteriorlights.co.uk](http://www.exteriorlights.co.uk)

## STREETMASTER TECHNOLOGY:

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The Streetmaster is a highly efficient solar street light with high capacity LiFePO4 Lithium batteries and a fast charging Monocrystalline solar panel. This means that even on partially cloudy and rainy days, it will re-charge efficiently. The high battery capacity gives enough power for up to 12 hours. The 2700 lumen light output is bright enough to illuminate driveways, entrances, car parks and paths, with a downward spread light projection, making them safe to navigate at night.

In particularly long periods of dull weather, illumination time is likely to be affected. To boost charge, turn the light off for 1-2 nights which will result in the light charging but not illuminating. Then turn the light back on as normal.

## INSTALLATION:

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**Recommended mounting height for UK solar street lighting is 3-5m.**

**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.

1. Unscrew the 4 x socket screws on the collar of the solar light with a 4mm allen key. Do not fully remove the screws, simply loosen until the screws are clear from inside the collar to allow the light to slot onto the post.
2. Place the Solar Street Light Head onto the 76mm lamp post / adaptor.
3. Ensure the solar light is in the correct position and is fully aligned with the post.
4. Re-tighten the 4 x socket screws in step 1 to lock the solar light into place on the lamp post / adaptor.



**TIP:** Tighten each screw a little bit at a time to keep the post central.

## SETTINGS:

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The Streetmaster has a pre-set time controlled setting which cannot be changed. At dusk (or below 15 lux), the light will illuminate at full brightness, and then follow a gradual dimming sequence until it reaches 20% brightness after 7 hours. From then on it will remain at 20% until dawn (or above 15 lux). If the battery percentage reaches 10%, the light will dim down to 10% brightness. If the battery charge is exhausted, the light will turn off. This sequence is to ensure maximum charge is retained.

**USEFUL INFORMATION: THE SOLAR STREET LIGHT CAN STILL CHARGE IF TURNED OFF.**

### Turning on the solar street light

- 1) Remove the waterproof rubber bung located on the black rim just above the polycarbonate lens, marked 'ON/OFF'. This will reveal the black on/off button.
- 2) Using an allen key (or similar), push the on button inwards until it clicks and allow to pop back out (this will be partial). The solar street light is now in the ON position.
- 3) Replace the waterproof, rubber bung.
- 4) To turn off for storage or to boost charge, repeat the same procedure as above. When off, the button will pop out fully.



**NOTE:** There is a 2-5 second delay between turning the solar light on, and the light 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 unsure, cover the solar panel to check if the fitting turns on.

## STORAGE:

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When storing the solar light, be sure to turn the light 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.