



# LUMENA Endura Long Autonomy Solar Path Lights User Manual

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# LUMENA

**LUMENA Endura Long Autonomy Solar Path Lights**



## SPECIFICATIONS



- Wattage: 3W
- LED: In-built Cree 2835 SMD3030 LED Chips 6\*0.5w (120° Beam Angle)
- Colour Temperature: 3000K (Warm White) or 6000K (Daylight White)
- Lumen Output: Approx. 480 lm
- LED Life Expectancy: up to 50,000 hours
- Sensor: Light / Charge Sensor
- Light Control Level: 20 Lux
- IP Rating: IP65
- Battery Type: Sinowatt Lithium Ion INR18650 Cell – 3.7v / 2200mAh 8.14Wh (replaceable)

- Battery Charge Time: 6-8 hrs full sunshine (approx.)
- Max Illumination Time at Full Charge: 10 Nights / Over 100hrs
- Solar Panel: Highly efficient 1.2w (ETFE Laminated)
- Materials: Extruded Aluminium Alloy & Polycarbonate
- Weight: 0.68KG (excluding fixings / spike)
- Mounting: External Surface Mount / Ground Spike
- Lighting Function: COEUS Technology 1hr 100%, 2hrs 80%, 30% until dawn
- Working Temperature: -25°C ~ 65°C
- Included: 2x Anchor Bolts / 1x Ground Spike per fitting

## Warning

- 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, unless ground spike is used.
- 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 or off.
- Due to temperature difference in and outside the fitting, condensation may be present internally but will not affect use.

## 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 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](mailto:sales@lumenalights.com)

### **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.lumenalights.com](http://www.lumenalights.com)

## SOLAR TECHNOLOGY

The Endura is a highly efficient solar light with high capacity Lithium batteries and fast charging ETFE laminated solar panel. This, along with COEUS Technology ensures the Endura will re-charge efficiently and will illuminate for many hours even after just 1 hour charge in full sunshine. The light output is bright enough to illuminate paths and driveways, making them safe to navigate at night, with a downward spread light projection with minimal light pollution which gradually dims through the night.

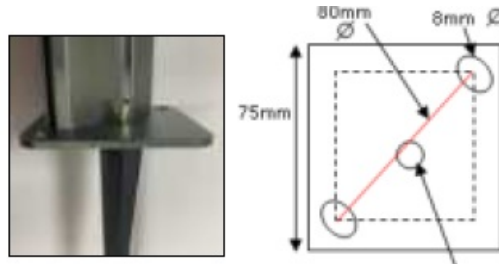
## INSTALLATION

Designed to be mounted onto decking, a patio or pathway, or into soft ground via the sturdy 4 fin anchored ground spike.

Recommended spacing is 2m apart for substantial path lighting. Closer spacing / staggering will result in a more intense light.

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.

## SURFACE MOUNTING



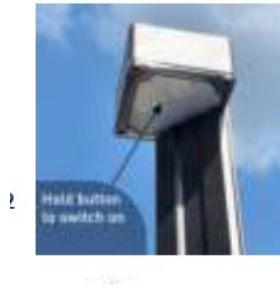
1. Mark the 2 mounting holes in the corners of the mounting surface in the desired location.
2. Remove the fitting and drill out the holes at the relevant depth and diameter for the mounting screws being used (varies based on mounting surface).  
For wood, drill a pilot hole and then screw directly to the surface using wood screws. For stone / brick pathways, use anchor bolts (8mm supplied).
3. Replace the solar light in the desired location, lining up the 2 x holes at the base and secure in place with the chosen screws / bolts. For anchor bolts, tighten the nuts to clamp in position.

## GROUND SPIKE

1. Attach the ground spike to the base at the centre 5mm mounting hole with the 4mm socket screw & washer.  
**TIP:** hold the screw in place with a 4mm allen key and twist the spike to tighten.
2. Dampen the area of installation to enable the spike to be pushed into the ground without too much resistance.
3. Firmly push the spike into the ground at the base of the fitting – do not push at the head.
4. Compact the earth around the fitting.

## TURNING ON/OFF

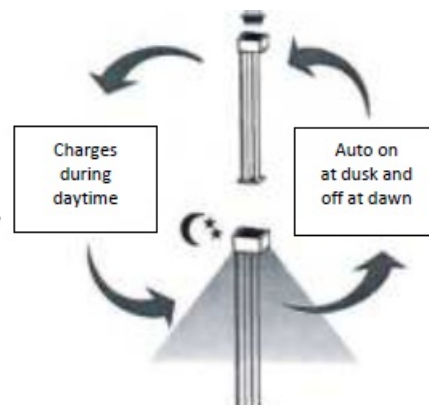
1. Hold the On/Off button for 1 second to turn on – in daylight the LEDs will turn off after 2 seconds.
2. Press the On/Off button once to turn off.
3. To check if the solar light is on, cover the solar panel. If turned on the LEDs will illuminate.



## IMPORTANT

ENSURE AT LEAST ONE FULL DAY OF CHARGING BEFORE USE

## STORAGE



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

## Documents / Resources

	<p><a href="#">LUMENA Endura Long Autonomy Solar Path Lights</a> [pdf] User Manual</p> <p>Endura Long Autonomy Solar Path Lights, Endura, Long Autonomy Solar Path Lights, Autonomy Solar Path Lights, Solar Path Lights, Path Lights, Lights</p>
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## References

- [Low Voltage Garden Lights, Outdoor Lighting & Solar | Lumena Lights](#)