

LECLSTAR 308 LED Solar Light

LECLSTAR 308 LED Solar Outdoor Motion Sensor Light User Manual

Model: 308 LED Solar Light

1. INTRODUCTION

Thank you for choosing the LECLSTAR 308 LED Solar Outdoor Motion Sensor Light. This device is designed to provide efficient, wireless illumination for outdoor areas such as gardens, patios, garages, and driveways. Featuring 308 super bright LEDs, a 270° wide lighting angle, and an IP65 waterproof rating, it offers reliable security lighting with three adjustable operating modes.

Please read this manual carefully before installation and use to ensure optimal performance and longevity of your solar light.

2. PRODUCT FEATURES

- **Ultra-Bright Illumination:** Equipped with 308 LED beads, providing up to 1200lm brightness at 6500K.
- **Wide Lighting Angle:** 270° illumination coverage for larger areas.
- **Efficient Solar Charging:** Upgraded polycrystalline silicon solar panel with up to 20% conversion rate.
- **Motion Sensor:** Integrated sensor for automatic light activation.
- **Three Lighting Modes:** Easily adjustable via a front-mounted button.
- **Durable & Weatherproof:** Made from ABS material with an IP65 waterproof rating for all-weather resistance.
- **Wireless Installation:** No wiring required, simple screw-based mounting.



Figure 1: Front view of the LECLSTAR 308 LED Solar Light, showing the solar panel, LED arrays, and motion sensor.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present:

- 1 x LECLSTAR 308 LED Solar Light
- 2 x Mounting Screws
- 2 x Wall Plugs
- 1 x User Manual (this document)

4. SETUP AND INSTALLATION

1. **Choose Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily. This is crucial for optimal battery charging. Avoid areas under eaves, trees, or other obstructions that might block sunlight or cast shadows.

- 2. **Mounting Height:** For best motion detection and light coverage, install the light at a height of approximately 6-10 feet (1.8-3 meters) from the ground.
- 3. **Prepare Wall:** Mark the positions for drilling holes using the light's mounting holes as a template.
- 4. **Drill Holes:** Drill two holes at the marked positions. Insert the wall plugs into the drilled holes.
- 5. **Secure Light:** Align the light with the wall plugs and secure it firmly using the provided mounting screws.
- 6. **Initial Charge:** Before first use, allow the solar light to charge in direct sunlight for at least 8-10 hours to ensure the battery is fully charged.



Figure 2: Illustration of the solar light absorbing sunlight during the day and providing bright illumination at night.

5. OPERATING INSTRUCTIONS

The LECLSTAR solar light features a convenient button on the front to cycle through three distinct lighting modes. The light will automatically turn on at dusk and turn off at dawn, operating according to the selected mode.

Press the button repeatedly to switch between modes:

- **Mode 1 (Motion Sensor Mode):** The light remains off until motion is detected. When motion is detected, the light turns on at full brightness for approximately 15-20 seconds, then turns off.
- **Mode 2 (Dim Light + Motion Sensor Mode):** The light stays on at a low brightness continuously. When motion is detected, it switches to full brightness for approximately 15-20 seconds, then returns to low brightness.
- **Mode 3 (Constant Light Mode):** The light turns on at a medium brightness at dusk and stays on continuously for approximately 4-6 hours or until the battery depletes, then turns off.
- **Off:** Pressing the button after Mode 3 will turn the light off.

Note: The actual duration of illumination in Constant Light Mode (Mode 3) may vary depending on the amount of sunlight received during the day and the battery charge level.

6. MAINTENANCE

- **Solar Panel Cleaning:** Regularly clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean solar panel ensures maximum sunlight absorption and efficient charging.
- **Inspection:** Periodically check the light for any physical damage or loose mounting screws.
- **Battery:** The integrated lithium-ion battery is designed for long-term use and is not user-replaceable. Do not attempt to open the unit.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	• Insufficient sunlight for charging. • Solar panel is dirty. • Light is in "Off" mode. • Battery is completely drained.	• Ensure the light is placed in an area receiving 6-8 hours of direct sunlight daily. • Clean the solar panel. • Press the mode button to select an operating mode. • Allow the light to charge for 1-2 sunny days.

Problem	Possible Cause	Solution
Light stays on for a very short period or is dim.	• Insufficient charge. • Solar panel is dirty.	• Ensure adequate sunlight exposure. • Clean the solar panel.
Motion sensor not working or too sensitive.	• Sensor obstructed. • Interference from other light sources. • Incorrect mounting height/angle.	• Ensure the sensor is clear of obstructions. • Relocate the light away from other strong light sources. • Adjust mounting height and angle for optimal detection.

8. SPECIFICATIONS

Model	308 LED Solar Light
LED Quantity	308 LEDs
Brightness	Up to 1200 Lumens
Color Temperature	6500K (Cool White)
Lighting Angle	270°
Power Source	Solar Powered
Battery	18650 - 2000 mAh rechargeable lithium-ion battery
Material	Acrylonitrile Butadiene Styrene (ABS)
Waterproof Rating	IP65
Dimensions (L x W x H)	Approx. 5"L x 4"W x 3"H
Voltage	3.7 Volts
Wattage	7.4 Watt-hours

9. WARRANTY AND SUPPORT

LECLSTAR products are manufactured to high-quality standards. For warranty information, technical support, or any questions regarding your product, please contact LECLSTAR customer service through the retailer where the product was purchased or visit the official LECLSTAR website.

Please retain your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question