

LECLSTAR 4336508496

LECLSTAR Solar Outdoor Lights User Manual

Model: 4336508496 | Brand: LECLSTAR

1. PRODUCT OVERVIEW

The LECLSTAR Solar Outdoor Lights are designed to provide bright, efficient, and reliable outdoor illumination. Featuring 268 high-quality LED lamp beads, these lights produce up to 4000 lumens of 6500K daylight, offering a unique 4-sided, 2800 wide-angle illumination. They are equipped with an upgraded PIR motion detector for enhanced sensing range and sensitivity, detecting motion up to 30 feet away within a 1600 angle. Built with IP65 waterproof technology, these lights are all-weather resistant, ensuring performance in various conditions. With a large 4400mAh rechargeable battery and solar panel, they are energy-efficient and require zero wiring or maintenance after installation.



Image: Two LECLSTAR Solar Outdoor Lights, showcasing their design and LED layout.



Battery	4400 mAH (2x2200 mAh)	2000 mAH
Brightness	4000 lumen	600-2500 lumen
Lighting Area & Angle	1600 SQFT & 360°	800 SQFT & 120-270°

Image: A comparison table highlighting the advantages of LECLSTAR solar lights, including battery capacity, brightness, and lighting area.

2. SETUP AND INSTALLATION

The LECLSTAR Solar Outdoor Lights are designed for easy, wire-free installation. Follow these steps for

optimal performance:

1. **Choose a Location:** Select a location that receives direct sunlight for at least 6-8 hours a day to ensure the solar panel can fully charge the battery. Avoid areas under eaves, trees, or other obstructions that might block sunlight.
2. **Activate the Light:** Locate the mode button on the back of the device. Press the button to select your desired lighting mode before mounting.

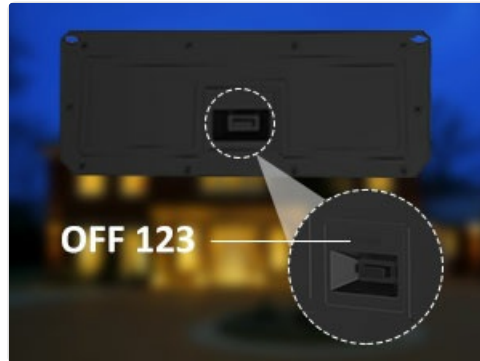


Image: Close-up of the back of the solar light, showing the mode selection button labeled 'OFF 123'.

3. **Mark Drilling Points:** Hold the light in the desired mounting position. Use a pencil to mark the two drilling points for the screws.

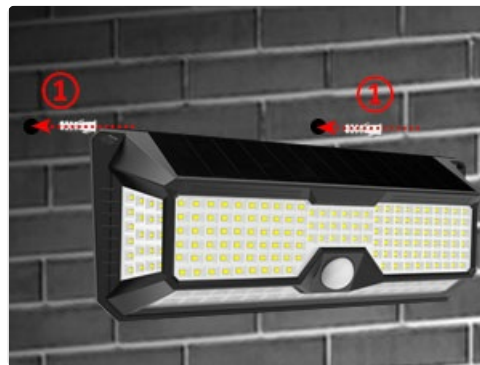


Image: The solar light held against a brick wall, with red arrows indicating where to mark and drill holes for mounting.

4. **Drill Holes and Insert Anchors:** Drill holes at the marked points. If installing on masonry or concrete, insert the provided wall anchors into the drilled holes.
5. **Mount the Light:** Align the light with the drilled holes and secure it using the provided screws. Ensure the light is firmly attached to the surface.



Image: The solar light partially mounted on a brick wall, with screws visible in the mounting holes.

6. **Verify Solar Panel Exposure:** After mounting, confirm that the solar panel on top of the light is exposed to direct sunlight throughout the day for efficient charging.



Image: The solar light mounted on a wall, with red arrows pointing to the solar panel, indicating the importance of direct sunlight exposure.

Large size & Easy to install

4.5in

11.4in

OFF 123

Image: A diagram illustrating the dimensions of the solar light (11.4 inches long, 4.5 inches high) and a visual guide for installation.



Image: A diagram highlighting the 2.5W solar panel and the 4400mAh battery capacity of the LECLSTAR solar light.

3. OPERATING INSTRUCTIONS

The LECLSTAR Solar Outdoor Lights feature an intelligent motion sensor and three distinct lighting modes to

suit various needs:

Motion Sensor Functionality

The upgraded PIR motion detector offers increased sensitivity and range, activating the light from up to 30 feet away with a 160° wide sensor angle. This ensures reliable lighting and enhanced security for your property.



humans



animals



cars



27FT
PIR distance



BRIGHT LIGHT MODE



DIM ALL NIGHT MODE



DIM & BRIGHT MODE



Image: A visual representation of the three lighting modes and the motion detection capability, showing detection of humans, animals, and cars up to 27 feet.

Lighting Modes

Use the mode button on the back of the light to cycle through the following options:

- **Mode 1: Motion Detection (Strong Light) > Off**

In this mode, the light remains off until motion is detected. Upon detection, it illuminates with strong light for a set period (typically 15-30 seconds) and then turns off again. This mode is ideal for security and energy saving.

- **Mode 2: Dim Light (All Night)**

The light stays on at a continuous dim level throughout the night, regardless of motion. This provides constant ambient lighting.

- **Mode 3: Dim Light > Motion Detection (Strong Light) > Dim Light**

The light stays on at a dim level. When motion is detected, it brightens to strong light for a set period, then returns to dim light after motion ceases. This mode offers a balance between constant illumination and motion-activated brightness.

Super Bright 4000 Lumens

280° illumination Wider Range



Image: A LECLSTAR solar light mounted on a house, brightly illuminating the area below, with text indicating "Super Bright 4000 Lumens" and "280° illumination Wider Range".

4. MAINTENANCE

The LECLSTAR Solar Outdoor Lights are designed for minimal maintenance. To ensure optimal performance and longevity, consider the following:

- **Clean the Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient charging.
- **Clear Obstructions:** Ensure that no new obstructions (e.g., growing tree branches, new structures) block direct sunlight from reaching the solar panel.
- **Inspect for Damage:** Occasionally check the light for any physical damage, such as cracks in the casing or solar panel. While the lights are IP65 waterproof and weather-resistant, extreme conditions or impacts could cause damage.

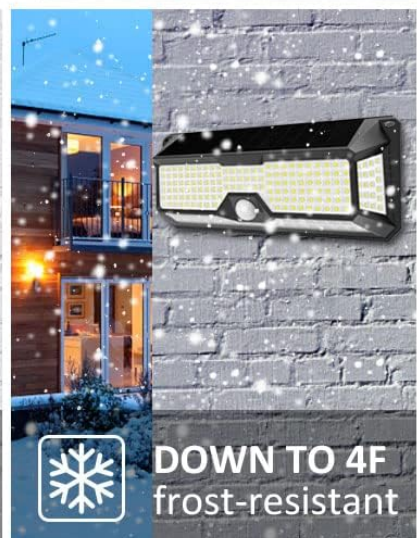


Image: A series of images showing the solar light enduring various weather conditions, including rain (IP65 waterproof), intense heat (up to 122F heat-resistant), and frost (down to 4F frost-resistant).

5. TROUBLESHOOTING

If your LECLSTAR Solar Outdoor Light is not functioning as expected, please refer to the following common issues and solutions:

- **Light Does Not Turn On at Night:**
 - **Insufficient Charging:** Ensure the solar panel receives 6-8 hours of direct sunlight daily. Relocate the light if necessary.
 - **Mode Selection:** Verify that the light is set to an active mode (Mode 1, 2, or 3) and not in the 'OFF' position.
 - **Initial Activation:** For first-time use, allow the light to charge for at least 24 hours in direct sunlight before expecting it to operate at night.
- **Light Flickers or Stays Dim:**
 - **Partial Charge:** The battery may not be fully charged. Ensure adequate sunlight exposure.
 - **Solar Panel Cleanliness:** Clean the solar panel surface to remove any dirt or debris that might be hindering charging efficiency.
 - **Incorrect Orientation:** As noted by some users, ensure the light is mounted upright and not laid flat, as this can affect sensor and light performance.
- **Motion Sensor Not Activating:**
 - **Obstructions:** Ensure there are no physical obstructions blocking the motion sensor's field of view.
 - **Distance/Angle:** Confirm that the motion is occurring within the 30-foot range and 1600 detection angle.
 - **Ambient Light:** The sensor is designed to work in low-light conditions. If there is too much ambient light (e.g., from streetlights or other fixtures), the light may not activate.
- **Water or Condensation Inside the Light:**
 - While rated IP65 waterproof, extreme conditions or improper sealing during manufacturing can sometimes lead to moisture ingress. If this occurs, contact customer service for assistance under warranty.

6. SPECIFICATIONS

Feature	Specification
Brand	LECLSTAR
Model Number	4336508496
Light Source Type	LED
Number of Light Sources	268

Feature	Specification
Brightness	4000 Lumen
Light Color	Cool White (6500K)
Power Source	Solar Powered
Battery Capacity	4400mAh (rechargeable)
Solar Panel Wattage	2.5 watts
Voltage	5.5 Volts (DC)
Motion Sensor Range	Up to 30 feet
Motion Sensor Angle	1600
Illumination Angle	2800 (4 sides)
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene
Product Dimensions	12.5"L x 2.3"W x 4.4"H
Item Weight	2.16 pounds
Installation Type	Wall Mount
Included Components	Light kit included

Why Choose Our Solar Lights?

Energy-sacing & Cost-effective








	 LECLSTAR Solar Lights	 Ordinary Bulb	 Fluorescent Lamp
Cable	No Need	Need	Need
Environmental friendly	✓	High power consumption	High power consumption
Electricity fees	No Need		
Lifespan	30000+H	1000H 	1000H 

Image: A chart comparing LECLSTAR Solar Lights to ordinary bulbs and fluorescent lamps, highlighting no cable needed, environmental friendliness, no electricity fees, and a longer lifespan.

7. WARRANTY AND SUPPORT

All LECLSTAR products are backed by a **100% lifetime warranty service**. We are committed to providing exceptional customer support.

