

EverBrite E021038

EverBrite Solar Lights Outdoor Instruction Manual

Model: E021038

1. INTRODUCTION

Thank you for choosing EverBrite Solar Lights. These outdoor motion sensor security lights are designed to provide efficient and reliable illumination for your garden, yard, garage, patio, and pathways. Featuring a 360° rotatable design, 72 LED beads, and IP65 waterproof rating, they offer wide lighting coverage and durability in various weather conditions. Please read this manual carefully before installation and use to ensure optimal performance and safety.



Image: Two EverBrite solar lights, showing their multi-head design and waterproof capabilities with water splashes.

2. SAFETY INFORMATION

- Ensure the product is installed in a location that receives direct sunlight for optimal charging.
- Do not disassemble or modify the product. This may cause damage and void the warranty.
- Keep the solar panel clean to ensure efficient charging.
- Avoid placing the light near heat sources or in extremely high temperatures.
- This product is designed for outdoor use and is IP65 waterproof, but avoid submerging it in water.

3. PACKAGE CONTENTS

The EverBrite Solar Lights package includes:

- 2 x EverBrite Solar Motion Sensor Lights
- Mounting Hardware (screws and wall anchors)
- User Manual

4. PRODUCT OVERVIEW & FEATURES

The EverBrite Solar Light features a robust design with multiple adjustable components to maximize lighting coverage and solar charging efficiency.

- **Ultra Bright 72 LEDs:** Provides powerful illumination.
- **360° Rotatable Design:** Allows for flexible positioning of the solar panel and spotlights.
- **270° Wide Lighting Angle:** Ensures broad coverage for security and visibility.
- **PIR Motion Sensor:** Detects human motion up to 26 ft (8 m) with a 120° sensing angle.
- **IP65 Waterproof:** Durable ABS material construction suitable for all weather conditions.
- **High Conversion Efficiency:** Solar panel converts sunlight into energy with up to 18% efficiency.



Light Up From 3 Sides
360° Rotatable design provide adjustable light angle



Image: Diagram showing the dimensions of the EverBrite solar light and the location of the PIR motion sensor, highlighting the 360° rotatable design for adjustable light angle.

Triggered by human and animals

Sensitive PIR Motion Sensor

26 ft/8 m

Detection Distance

120°

Sensing Angle

1000LM

Brightness

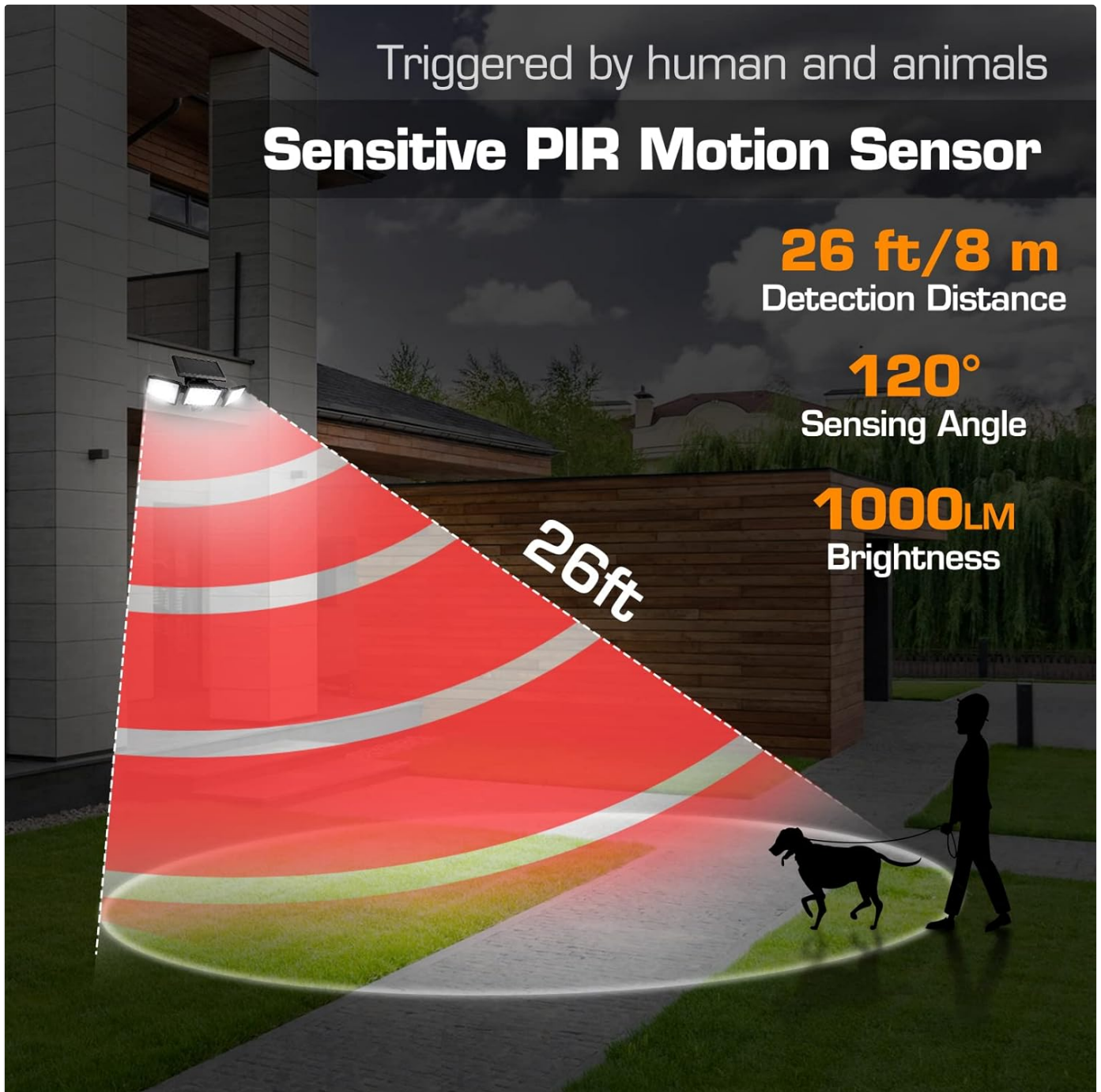


Image: Illustration of the motion sensor's detection range, showing a 26 ft (8 m) detection distance and a 120° sensing angle, with 1000 lumens brightness.



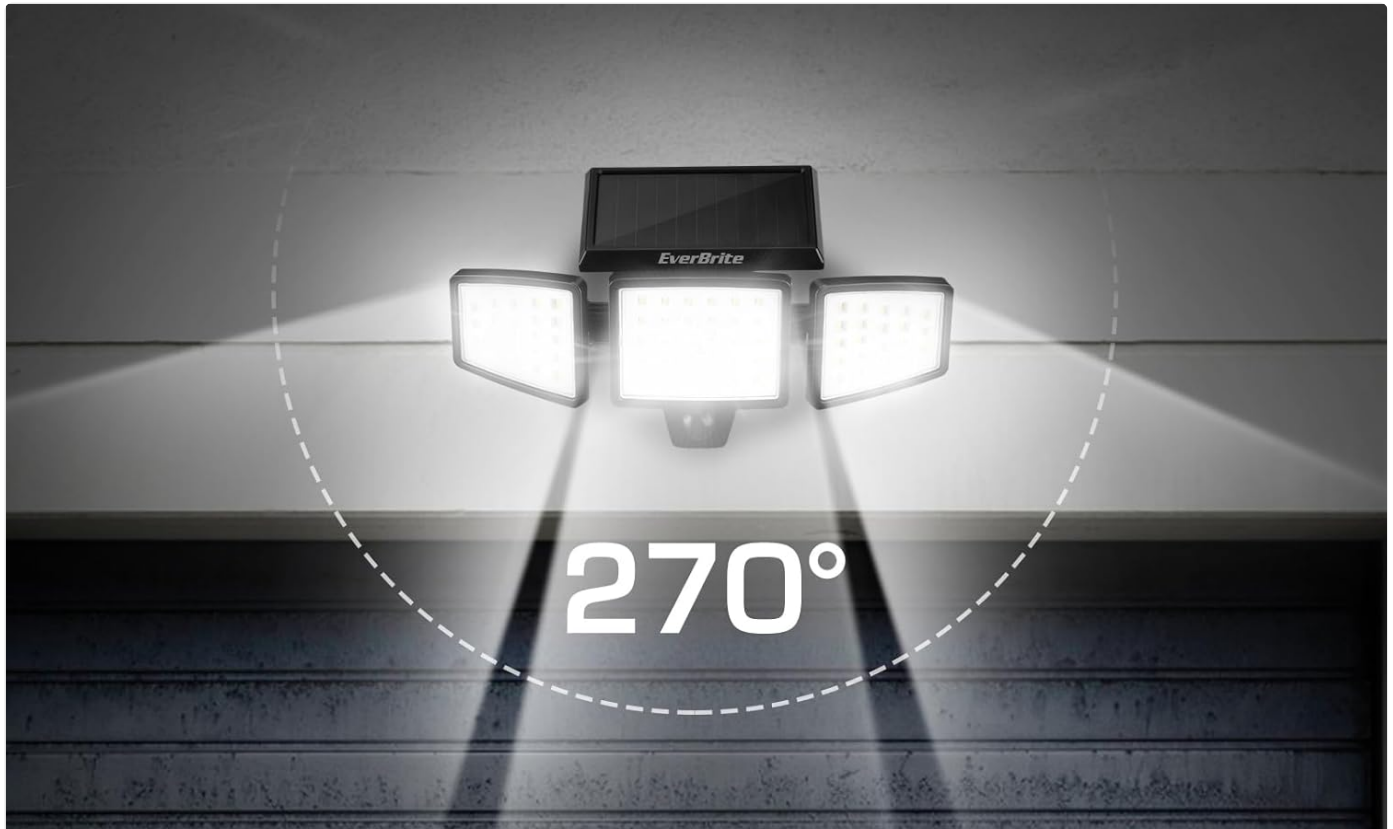
Image: The solar panel of the EverBrite light under sunlight, indicating up to 18% conversion efficiency for charging the internal battery.

5. SETUP & INSTALLATION

Follow these steps to install your EverBrite Solar Lights:

1. **Choose a Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily to ensure the solar panel can fully charge the battery. The light should also be positioned where its motion sensor can effectively detect movement and provide desired illumination.
2. **Drill Holes:** Use the provided mounting bracket as a template. Mark the positions for drilling. Drill holes using an appropriate drill bit size for the included wall anchors and screws.
3. **Install Mounting Bracket:** Securely attach the mounting bracket to the wall using the screws and wall anchors.
4. **Activate the Light:** Before hanging, locate the power switch on the bottom of the solar light. Turn the switch to the "ON" position.
5. **Hang the Light:** Carefully hang the solar light onto the installed mounting bracket. Ensure it is securely seated.

6. **Adjust Light Heads:** Adjust the three light heads and the solar panel to your desired angles to maximize light coverage and solar charging. The light heads provide a 270° wide lighting angle.



1. Drill holes and install the mounting bracket with the anchors and screws.



2. Turn the power switch on at the back of solar light.



3. Hang the wall light onto the mounting bracket.

Image: Step-by-step visual guide for installation: 1. Drilling holes and installing the mounting bracket. 2. Turning on the power switch at the back of the solar light. 3. Hanging the wall light onto the mounting bracket.

Installation Video Guide

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Video: An official EverBrite video demonstrating the installation process and showcasing the features of the solar motion sensor light, including its adjustable heads and lighting modes.

6. OPERATING INSTRUCTIONS

The EverBrite Solar Lights operate automatically based on ambient light and motion detection. They feature two distinct operating modes:

Initial Charge

For optimal performance, allow the solar light to charge in direct sunlight for 2-3 days before its first use. This ensures the internal battery is fully charged.

Automatic Operation

- During the day, the light will automatically turn off and charge its internal battery using the solar panel.
- At night, the light will activate based on the selected mode and motion detection.



Image: Visual representation of the solar light's automatic operation: charging during the day and activating at night upon motion detection, remaining on for 30 seconds after movement stops.

Operating Modes

The light offers two modes to suit different illumination requirements. The mode can be selected via the switch on the back of the unit.

Operating Modes Overview

Mode	Description
Mode I (Induction Mode)	The light remains off until motion is detected. When motion is detected, it illuminates at full brightness for 30 seconds, then turns off if no further motion is detected.
Mode II (Dim Light/Motion Sensor Mode)	The light stays on at a dim level throughout the night. When motion is detected, it switches to full brightness for 30 seconds, then returns to dim light if no further motion is detected.



Image: Visual demonstration of Mode I (Induction Mode), showing the light activating to full brightness only when motion is detected, then turning off.



Image: Visual demonstration of Mode II (Dim Light/Motion Sensor Mode), showing the light staying dim and brightening upon motion detection.

7. MAINTENANCE

To ensure the longevity and optimal performance of your EverBrite Solar Lights, consider the following maintenance tips:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Clear Obstructions:** Ensure no trees, buildings, or other objects are blocking direct sunlight from reaching the solar panel, especially during peak sunlight hours.
- **Check for Damage:** Periodically inspect the light for any physical damage, loose connections, or signs of wear.
- **Battery Care:** While the battery is designed for long life, extreme temperatures can affect its performance. If storing the light for an extended period, ensure it is fully charged and store it in a cool, dry place.



Image: The EverBrite solar light shown in various weather conditions (rain, sun, snow), emphasizing its IP65 waterproof, heat-resistant, and frost-resistant features.

8. TROUBLESHOOTING

If your EverBrite Solar Light is not functioning as expected, try the following troubleshooting steps:

Troubleshooting Guide

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night.	1. Power switch is OFF. 2. Insufficient sunlight for charging. 3. Solar panel is dirty or obstructed. 4. Battery is depleted or faulty.	1. Ensure the switch on the back is set to "ON". 2. Relocate the light to an area with more direct sunlight. 3. Clean the solar panel. Remove any obstructions. 4. Allow 2-3 days of full sunlight charging. If issue persists, contact support.
Light stays dim or flickers.	1. Insufficient charge. 2. Partial obstruction on solar panel. 3. Ambient light interference.	1. Ensure full charge by placing in direct sunlight for 2-3 days. 2. Clean the solar panel thoroughly. 3. Ensure no other light sources (streetlights, porch lights) are interfering with the sensor.
Motion sensor not detecting.	1. Sensor is obstructed. 2. Object is outside detection range/angle. 3. Incorrect mode selected.	1. Clear any debris or obstructions from the sensor lens. 2. Adjust the light's position or angle to cover the desired area. 3. Verify the light is in Mode I or Mode II for motion detection.

9. SPECIFICATIONS

Feature	Detail
Brand	EverBrite
Model Number	E021038
Light Source Type	LED (72 beads)
Brightness	1000 Lumen
Motion Sensor Detection Range	26 ft (8 m)
Motion Sensor Sensing Angle	120°
Lighting Angle	270°
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	Solar Powered
Battery	1 Lithium Ion battery (included)
Product Dimensions	11.1"L x 5.87"W x 4.65"H
Item Weight	1.39 Pounds

10. WARRANTY & SUPPORT

EverBrite products are manufactured with quality and reliability in mind. For warranty information or technical support,

please contact our customer service team through the retailer's platform or visit the official EverBrite store online.
For more products and information, visit the[EverBrite Store](#).