OREiN OL3300150

OREiN Solar Outdoor Light User Manual

Model: OL3300150

1. INTRODUCTION

Thank you for choosing the OREiN Solar Outdoor Light. This product is designed to provide efficient and reliable outdoor illumination with advanced solar technology and motion detection capabilities. It is built to withstand various outdoor conditions, ensuring long-lasting performance.

The OREiN outdoor solar spotlight is crafted from durable polycarbonate and ABS materials. Its solar panel features advanced LED solar technology with a tempered glass surface, making it waterproof and sun-resistant. A black rubber ring around the motion sensor prevents water ingress, ensuring precision engineering for outdoor rain and snow conditions.

Figure 1: OREiN Solar Outdoor Light - Front View
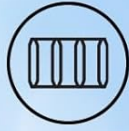
2. PRODUCT FEATURES

- **Fast Charging & Efficient Operation:** Equipped with a monocrystalline silicon battery panel, offering 30% higher charging efficiency than polycrystalline silicon. Features a high-capacity 2600 mAh battery for extended operation (over 5 hours recommended sunlight).
- **3 Convenient & Energy-Saving Modes:** Easily switch modes with a single red button.
- **800 lm Super Bright & Anti-Glare:** Internal plate with focusing holes for concentrated light. Anti-glare outer cover prevents direct bright light exposure. Provides 800 lumens and 5000K daylight white light for night illumination.
- **Motion Detector for More Scenarios:** Suitable for pathways, garages, and portable camping. Wide application for home fronts, gutters, sidewalks, yards, garages, pools, and gardens. (Detection angle 120°, distance: 8 m).
- **IP65 Waterproof & Durable:** Constructed from durable PC + ABS material with a tempered glass solar panel, resistant to water and sun. Rubber ring around the sensor prevents water penetration.

Product Features

3 Modes

2600mAh Battery

120° Motion Sensor

IP65 Waterproof

Solar Energy

Figure 2: Key Product Features including 3 Modes, 2600mAh Battery, 120° Motion Sensor, IP65 Waterproofing, and Solar Energy.

Figure 3: The IP65 waterproof rating and solar glass panel ensure suitability for outdoor weather, offering heat resistance, snow resistance, anti-dust properties, and overall waterproofing.
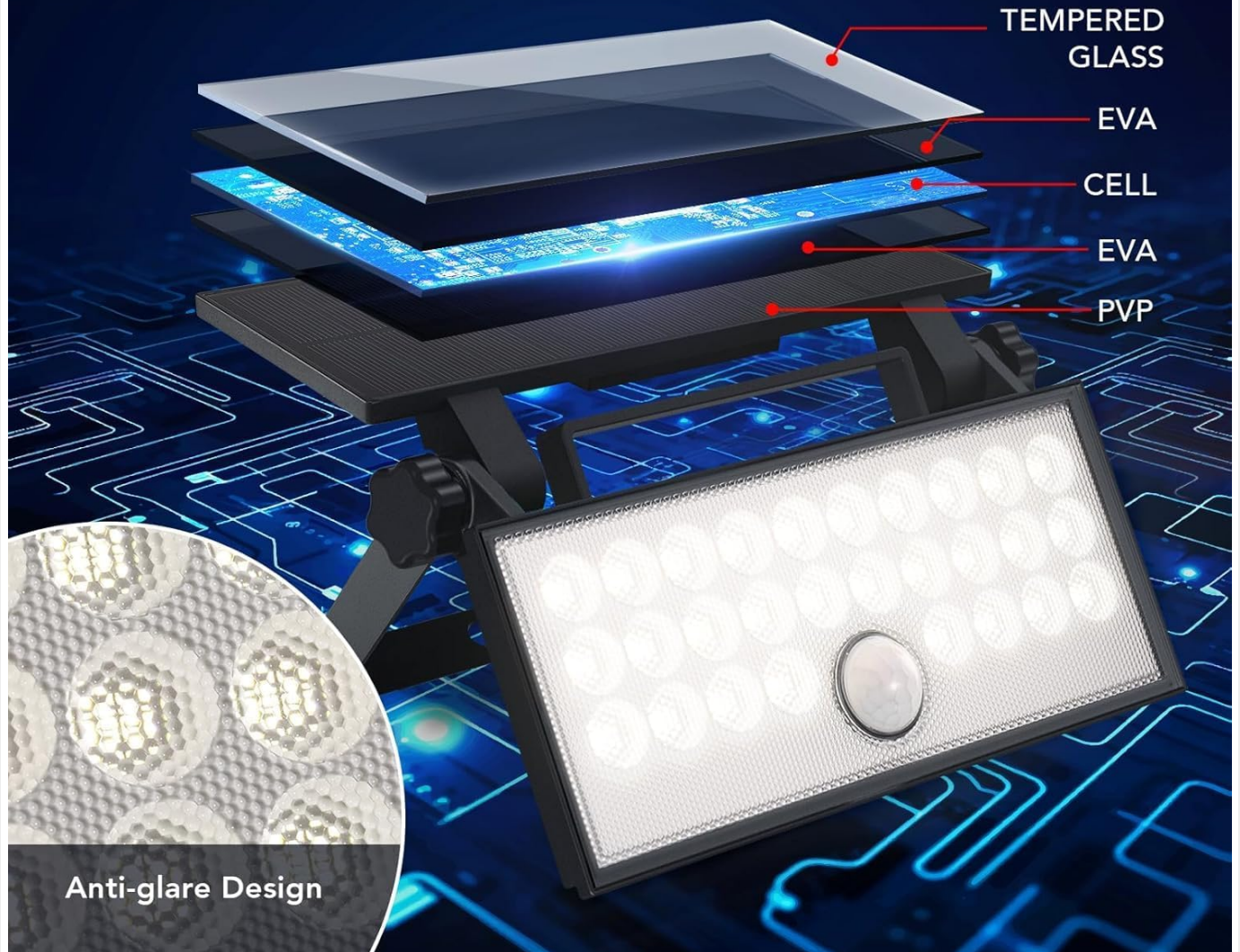
Figure 4: Diagram illustrating the layers of the upgraded solar panel, including tempered glass, EVA, cell, and PVP, designed for increased charging efficiency and anti-glare properties.

3. 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 void the warranty and pose safety risks.

- Keep away from flammable materials.

- Do not immerse the product in water, despite its waterproof rating, to prevent damage.

- Handle with care during installation to avoid injury.

- Dispose of the battery according to local regulations.

4. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x OREiN Solar Outdoor Light (with integrated LED light, battery, and motion detector)
- 1 x Mounting Bracket
- Screws and Drywall Anchors (for installation)
- User Manual (this document)

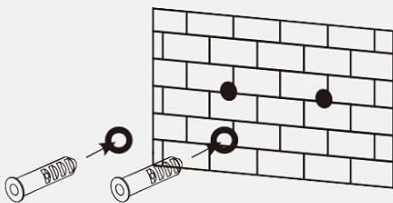## 5. SETUP AND INSTALLATION

For optimal performance, ensure the solar panel is placed in an area that receives at least 5 hours of direct sunlight daily.
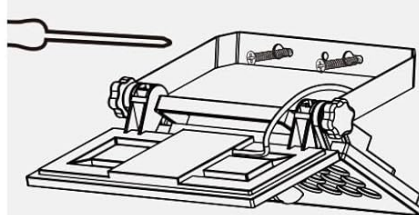
Installation Steps:

1. **Step 1: Drill Holes and Insert Anchors.** Mark the desired installation location. Drill holes and hammer the drywall anchors into them.
2. **Step 2: Secure the Light Bracket.** Use screws through the light bracket to secure it firmly to the wall.
3. **Step 3: Adjust Solar Panel and Joint Direction.** Attach the solar light to the secured bracket. Adjust the angle of the solar panel and the light itself to optimize sunlight exposure and illumination area.

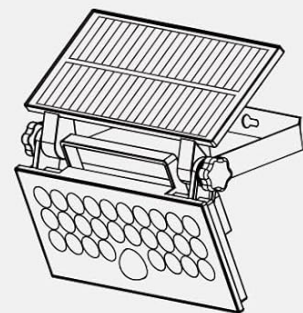*Note:* If installing on a wooden wall, use screws directly without drywall anchors.

Easy to install

Step 1:
Drill holes and hammer the drywall anchor into it.

Step 2:
Use screws through the light bracket and secure.

Step 3:
Adjust the solar panel and the joint direction.

P.S. Install on wooden wall: Using the same way as above but NO need to use drywall anchor.

Light blink once:
Enter OFF-ON-OFF Mode
x1

Light blink twice:
Enter DIM-BRIGHT-DIM Mode
x2

Light blink three:
Enter DIM LIGHT Mode
x3

Press fourth time:
Turn on/off the light
x4

6. OPERATING INSTRUCTIONS

The OREiN Solar Outdoor Light features three operating modes, controlled by a single red button. Press the button to cycle through the modes.

Mode Selection:

Press 1x (Light blinks once): OFF-ON-OFF Mode
The light turns on at full brightness when motion is detected at night and turns off after 20 seconds of no motion.

Press 2x (Light blinks twice): DIM-BRIGHT-DIM Mode
The light stays in dim mode at night and brightens to full intensity when motion is detected. It returns to dim mode after 20 seconds of no motion.

Press 3x (Light blinks three times): DIM LIGHT Mode
The light automatically turns on at a constant dim level at night and stays on until dawn. Motion detection is inactive in this mode.

Press 4x: Turn Off Light
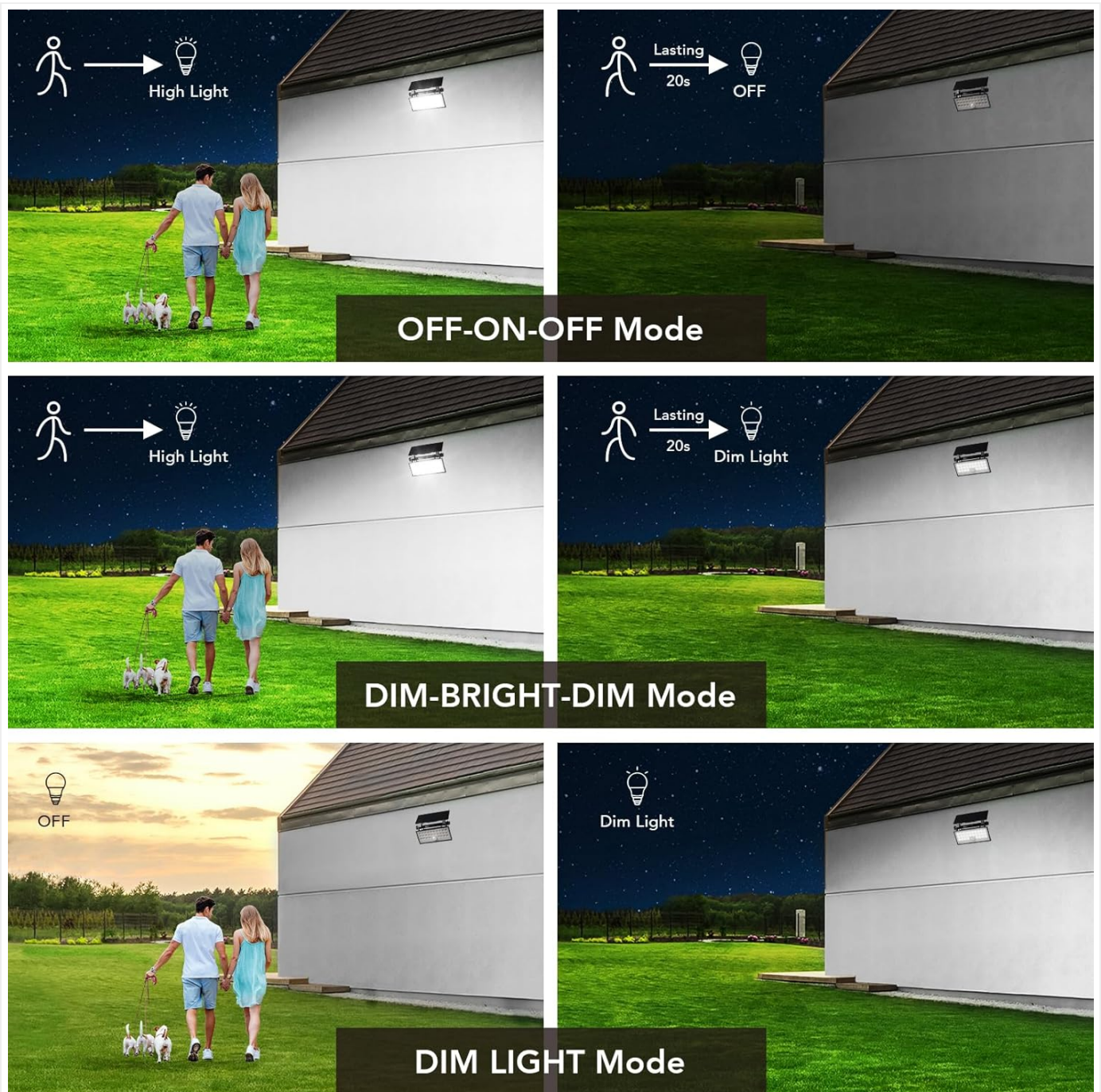Pressing the button a fourth time will turn the light off completely.

Figure 6: Visual representation of the three operating modes: OFF-ON-OFF, DIM-BRIGHT-DIM, and DIM LIGHT Mode, illustrating light behavior with and without motion.

Figure 7: Illustration of the 120° wide-angle motion sensor's detection range, covering an area of 16ft-26ft (5m-8m) with 800LM brightness.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum charging efficiency.
- **Placement:** Periodically check that the solar panel's location is still optimal for sunlight exposure, especially after seasonal changes or new obstructions (e.g., growing trees).
- **Battery:** The integrated Lithium-ion battery is designed for long life. If the light's performance significantly degrades over time, ensure it's receiving adequate sunlight.
- **Winter Care:** In areas with heavy snow, ensure the solar panel is clear of snow to allow charging.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	- Insufficient sunlight exposure during the day. - Battery is not charged. - Light is in "OFF" mode.	- Relocate the light to an area with more direct sunlight (at least 5 hours). - Allow the light to charge for 1-2 sunny days before first use. - Press the red button to cycle through modes and select a desired operating mode.
Light duration is short.	- Insufficient charging. - Solar panel is dirty. - Frequent motion detection (in motion sensor modes).	- Ensure optimal sunlight exposure. - Clean the solar panel regularly. - Consider using "DIM LIGHT Mode" if constant light is preferred over frequent motion activation.
Motion sensor is not working.	- Light is in "DIM LIGHT Mode". - Sensor is obstructed or dirty. - Detection range issues.	- Switch to "OFF-ON-OFF Mode" or "DIM-BRIGHT-DIM Mode". - Clean the sensor lens. - Ensure no objects are blocking the sensor's view. Verify placement within the 8m detection range.

9. SPECIFICATIONS

Feature	Detail
Brand	OREiN
Model Number	OL3300150
Dimensions (L x W x H)	20 x 12 x 7.5 cm
Weight	500 g
Battery Type	1 Lithium-ion (2600 mAh capacity)
Material	Polycarbonate (PC), Acrylonitrile Butadiene Styrene (ABS), Glass
Color	Black
Light Source Type	LED
Luminous Flux	800 lumens
Color Temperature	5000K (Daylight White)
Power	8 Watts
Voltage	12 Volts (DC)
Special Features	Waterproof (IP65), Solar Glass Plate, 3 Modes, Motion Sensor
Motion Sensor Angle	120°

Feature	Detail
Motion Sensor Distance	8 meters
Installation Type	Wall mount or portable

10. WARRANTY AND SUPPORT

OREiN provides a **12-month warranty period** for this product. If you encounter any doubts or difficulties during use, please do not hesitate to contact us. We are committed to responding within 24 hours to assist you.
For customer support, please refer to the contact information provided on the product packaging or the official OREiN website.

11. ADDITIONAL INFORMATION

Figure 8: Examples of product usage in various outdoor settings, including front doors, gardens, garages, and camping sites.

Figure 9: OREiN company profile highlighting 23 years of manufacturing experience, 10 years of brand registration, and top supplier status.

Figure 10: Awards and certifications received by OREiN, including ISO 9001, UL, CE, FC, RoHS, and Intertek.

Figure 11: Map indicating OREiN's global sales presence in over 20 countries, including North America, Mexico, Brazil, Germany, France, Russia, Japan, and Korea.

Figure 12: Aerial view of OREiN's advanced global manufacturing facilities.

Related Documents - OL3300150

	OREIN Sensor Adjustment Instructions A guide to adjusting the settings for OREIN motion sensor outdoor lights, covering TIME, SENS, and LUX adjustments for various lighting modes.
	OREiN Motion Sensor Security Light Outdoor User Manual User manual for the OREiN Motion Sensor Security Light Outdoor, model OL27001-DW-EU. Features 24W LED floodlight, adjustable white light, IP65 waterproofing, PIR motion detection, and dusk-to-dawn functionality.
	OREiN LED Security Lights with Motion Sensor: Installation and Operation Manual Comprehensive guide for installing and operating OREiN LED Security Lights with Motion Sensor (30W, 4500LM). Includes safety precautions, setup instructions, troubleshooting, and care tips.
	Orein LED Area Light Use and Care Guide Comprehensive use and care guide for the Orein LED Area Light, model SLFAL01LM416001. Includes safety information, troubleshooting, warranty details, specifications, installation instructions for various mounting options, photocell details, and cleaning recommendations.

	[OREIN One Button User Guide - Smart Lighting Control](#) Comprehensive user guide for the OREIN One Button remote control, detailing setup, operation, pairing, troubleshooting, safety information, and specifications for smart lighting systems.
	[OREIN LED Recessed Spotlight KD3 Installation Guide](#) Detailed installation and user guide for the OREIN LED Recessed Spotlight KD3 (Model OL0901430/OL0901541). Includes safety warnings, specifications, dimmer compatibility, step-by-step installation, removal, and disposal instructions.