

## URPOWER SL-002

# URPOWER Solar Lights Outdoor SL-002 Instruction Manual

Model: SL-002

## 1. INTRODUCTION

Thank you for choosing the URPOWER Solar Lights Outdoor, Model SL-002. This manual provides essential information for the proper installation, operation, and maintenance of your solar-powered motion sensor security lights. Please read these instructions carefully before use to ensure optimal performance and longevity of the product.

## 2. PRODUCT FEATURES

- **Super Bright Lighting:** Equipped with 40 LEDs, providing high brightness and a 120-degree lighting angle for wide coverage.
- **Motion Activated Auto ON/OFF:** Automatically turns on for 30 seconds when motion is detected within 16-26 feet at night. The light turns off when no motion is detected and remains off during the day.
- **Extended Working Time:** Features a 2200mAh battery, capable of over 300 sensing activations at night after 8 hours of daytime sun exposure. The absence of a dim mode extends lighting duration.
- **IP65 Waterproof Rating:** Designed to withstand various outdoor weather conditions, making it suitable for front doors, garages, backyards, gardens, porches, and pathways.
- **Solar Powered & Energy-Saving:** Utilizes solar energy for power, reducing electricity consumption and environmental impact.

## 3. PACKAGE CONTENTS

Each package contains the following items:

- URPOWER Solar Motion Sensor Light (4 units)
- Mounting Screws and Wall Plugs (for each unit)
- User Manual

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your URPOWER Solar Light.

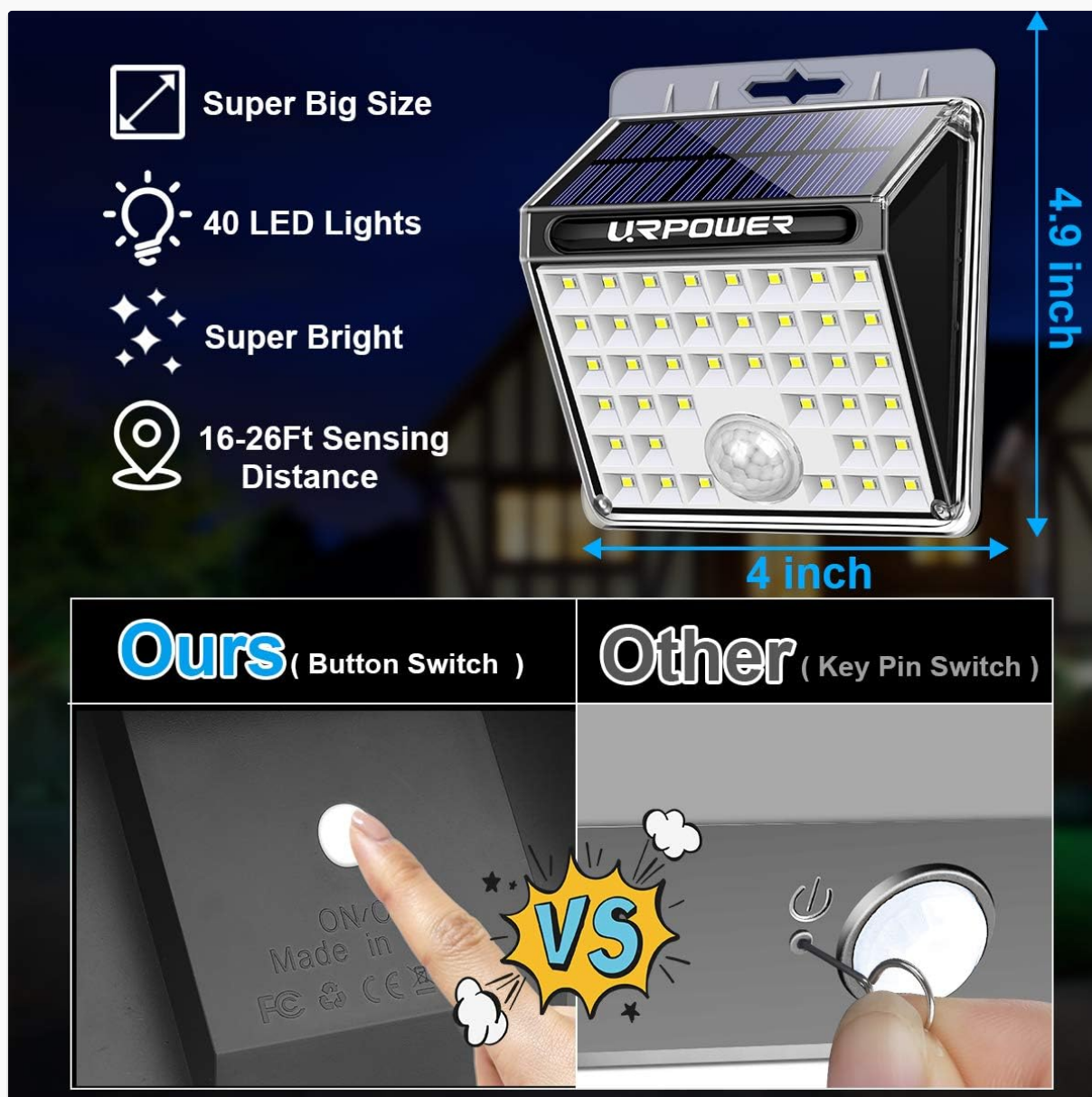


Figure 4.1: URPOWER Solar Light components and dimensions. The image displays the solar panel at the top, 40 LED lights below it, and a motion sensor at the bottom center. Dimensions are indicated as 4 inches wide and 4.9 inches high.

- **Solar Panel:** Converts sunlight into electrical energy to charge the internal battery.
- **LED Lights:** 40 bright LEDs provide illumination.
- **Motion Sensor (PIR):** Detects movement to activate the light.
- **On/Off Button:** Located on the back of the unit for manual control.

## 5. SETUP AND INSTALLATION

### 5.1 Before First Use

Before initial use, ensure the solar light is fully charged. Place the light in direct sunlight for at least 8 hours with the switch turned ON. This allows the internal battery to reach full capacity.

### 5.2 Choosing a Mounting Location

Select a location that receives direct sunlight for the majority of the day to maximize charging efficiency. Avoid areas under eaves, trees, or other obstructions that may block sunlight. The motion sensor works

best when mounted at a height of 6-8 feet (1.8-2.4 meters) from the ground.

### 5.3 Installation Steps

1. **Turn on the Switch:** Locate the ON/OFF button on the back of the light and press it to activate the unit. You should feel a click.
2. **Mark and Drill:** Hold the light against the desired mounting surface. Mark the positions for the screws. Drill two holes at the marked spots using an appropriate drill bit.
3. **Insert Wall Plugs:** If installing on masonry or drywall, insert the provided wall plugs into the drilled holes.
4. **Mount the Device:** Align the light with the holes and secure it firmly using the provided screws.
5. **Automatic Operation:** Once installed and charged, the light will automatically detect motion and illuminate at night.



## Easy to Install



1. Turn on the switch



2. Drill a hole



3. Install the device



4. Automatically lighting when detected

Figure 5.1: Visual guide for installation. Step 1 shows pressing the ON/OFF button. Step 2 shows drilling a hole. Step 3 shows installing the device on a wall. Step 4 shows the light automatically illuminating when motion is detected.

## 6. OPERATING INSTRUCTIONS

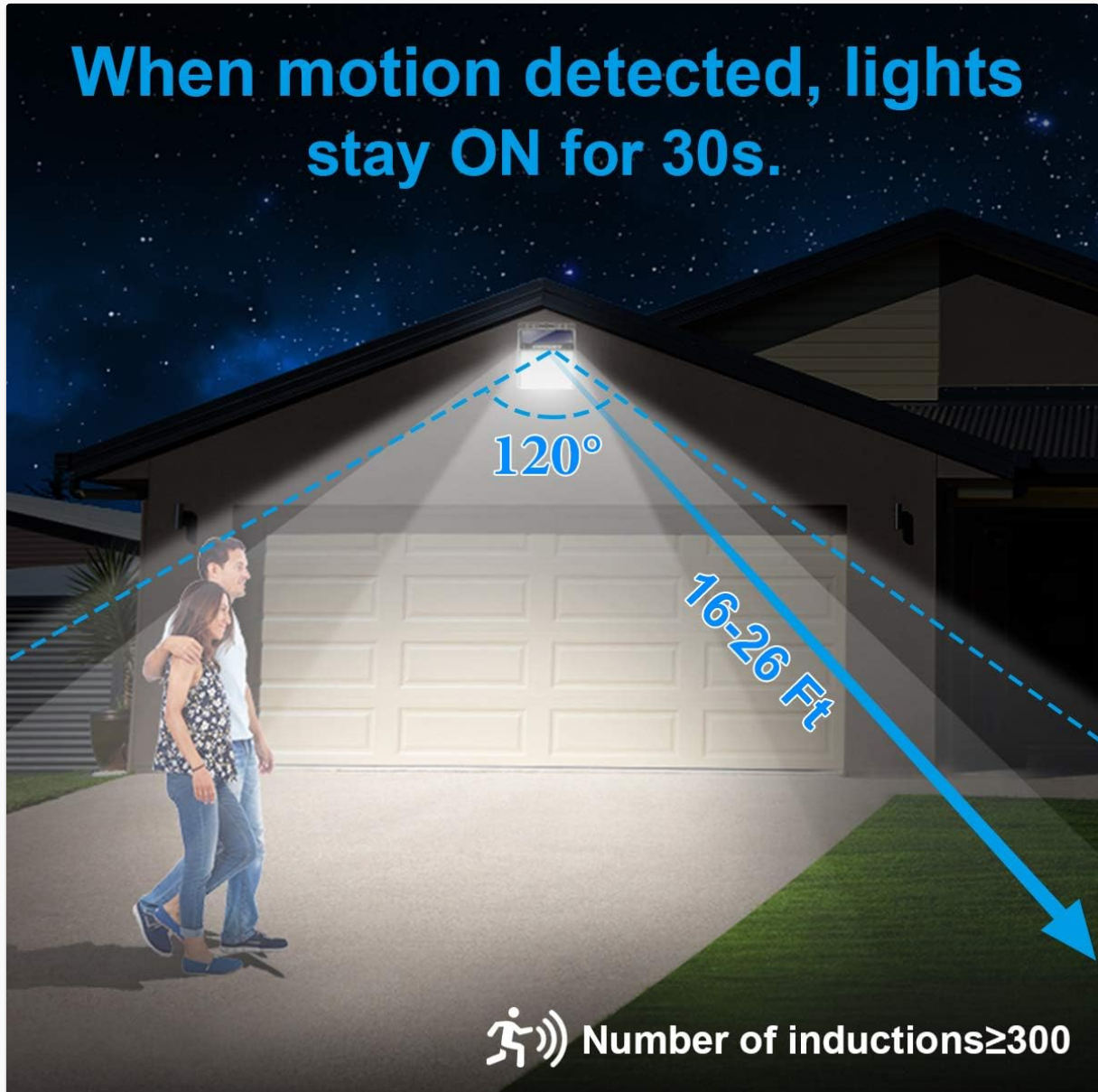
### 6.1 Power On/Off

To activate the light, press the ON/OFF button located on the back of the unit. Press it again to turn the

light off. Ensure the light is in the ON position for solar charging and automatic operation.

## 6.2 Motion Sensor Functionality

The URPOWER Solar Light operates in a single mode: motion-activated. During daylight hours, the light remains off and charges. At night, when motion is detected within its 16-26 foot range and 120-degree angle, the light will illuminate at full brightness for approximately 30 seconds. If motion continues, the light will remain on. After 30 seconds of no detected motion, the light will turn off.



**Figure 6.1:** Motion detection range and angle. The image shows a couple walking towards a garage, activating the light. The detection range is indicated as 16-26 feet with a 120-degree angle.

## 7. MAINTENANCE

- **Cleaning the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient charging.
- **Battery Care:** The internal battery is designed for long-term use. Avoid prolonged storage in a completely discharged state. If storing for an extended period, ensure the light is fully charged before storage and recharge every few months.
- **Environmental Factors:** While IP65 waterproof, extreme weather conditions (heavy snow, prolonged freezing temperatures) may temporarily affect performance. Ensure the solar panel is clear of snow or

ice for optimal charging.

## 8. TROUBLESHOOTING

If you encounter issues with your URPOWER Solar Light, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none"><li>◦ Switch is OFF.</li><li>◦ Insufficient solar charge.</li><li>◦ Solar panel is dirty or obstructed.</li><li>◦ Motion sensor is faulty.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure the ON/OFF button is pressed to the ON position.</li><li>◦ Relocate the light to an area with more direct sunlight for 8+ hours.</li><li>◦ Clean the solar panel.</li><li>◦ Contact customer support if the issue persists after charging and cleaning.</li></ul>
Light stays on constantly or flashes.	<ul style="list-style-type: none"><li>◦ Sensor interference.</li><li>◦ Faulty sensor.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure no constant movement or heat sources are within the sensor's range.</li><li>◦ Turn the light off and then on again. If the problem persists, contact customer support.</li></ul>
Light is dim or only stays on for a short time.	<ul style="list-style-type: none"><li>◦ Insufficient solar charge.</li><li>◦ Battery degradation.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure the light receives full direct sunlight for 8+ hours daily.</li><li>◦ Consider replacing the unit if it's old and battery performance has significantly decreased.</li></ul>

## 9. SPECIFICATIONS

<b>Model Name:</b>	SL-002
<b>Brand:</b>	URPOWER
<b>Light Source:</b>	40 LED
<b>Brightness:</b>	100 lumen
<b>Motion Sensor Range:</b>	16-26 feet (5-8 meters)
<b>Motion Sensor Angle:</b>	120 degrees
<b>Battery Capacity:</b>	2200mAh
<b>Charging Time:</b>	8 hours direct sunlight (approx.)
<b>Waterproof Rating:</b>	IP65
<b>Material:</b>	Acrylonitrile Butadiene Styrene (ABS)
<b>Product Dimensions:</b>	4.7"L x 5.7"W x 8.8"H
<b>Item Weight:</b>	1.4 Pounds

<b>Power Source:</b>	Solar Powered
<b>Installation Type:</b>	Wall Mount

## 10. SAFETY INFORMATION

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- Do not disassemble or modify the product. This may cause damage, reduce performance, or void the warranty.
- Keep the product away from fire and high temperatures.
- Avoid direct eye exposure to the LED light, as it can be very bright.
- Ensure the mounting surface is stable and can support the weight of the light.
- Dispose of the product and its components responsibly according to local regulations at the end of its lifespan.

## 11. WARRANTY AND SUPPORT

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URPOWER products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please contact URPOWER customer service through the retailer where the product was purchased or visit the official URPOWER website. Please retain your purchase receipt as proof of purchase.