JACKYLED JACKYLED790

JACKYLED Solar Lights Outdoor with Motion Sensor Instruction Manual

Model: JACKYLED790 | Brand: JACKYLED

1. Product Overview

The JACKYLED Solar Lights are designed for outdoor use, providing bright, cool white illumination with an integrated motion sensor. These waterproof flood lights are solar-powered, offering an energy-efficient security lighting solution for various outdoor areas.



Figure 1: JACKYLED Solar Light with separate solar panel and connection cable.

2. Package Contents

Please ensure all items are present upon unboxing:

- Motion Sensor Solar Light Outdoor Waterproof x 1
- Solar Panel x 1
- Installation Accessories (screws, anchors) x 1 set
- User Manual x 1

3. Key Features

- **16.4ft Cord Separate Installation:** Allows flexible placement of the solar panel in optimal sunlight and the light where illumination is needed.
- **113 Lensed Bright LEDs:** Densely embedded LEDs with convex lenses focus light for bright, concentrated illumination.
- **High-Power Solar Panel:** Efficient 1500mAh rechargeable battery for all-night illumination, even on cloudy days.
- **Motion Sensor & 3 Lighting Modes:** Sensitive PIR motion sensor (22ft/120° range) with adjustable modes for

various security and lighting needs.

- **Easy Installation & IP65 Waterproof:** Innovative slide-in mounting bracket for simple setup and robust durability against weather conditions.

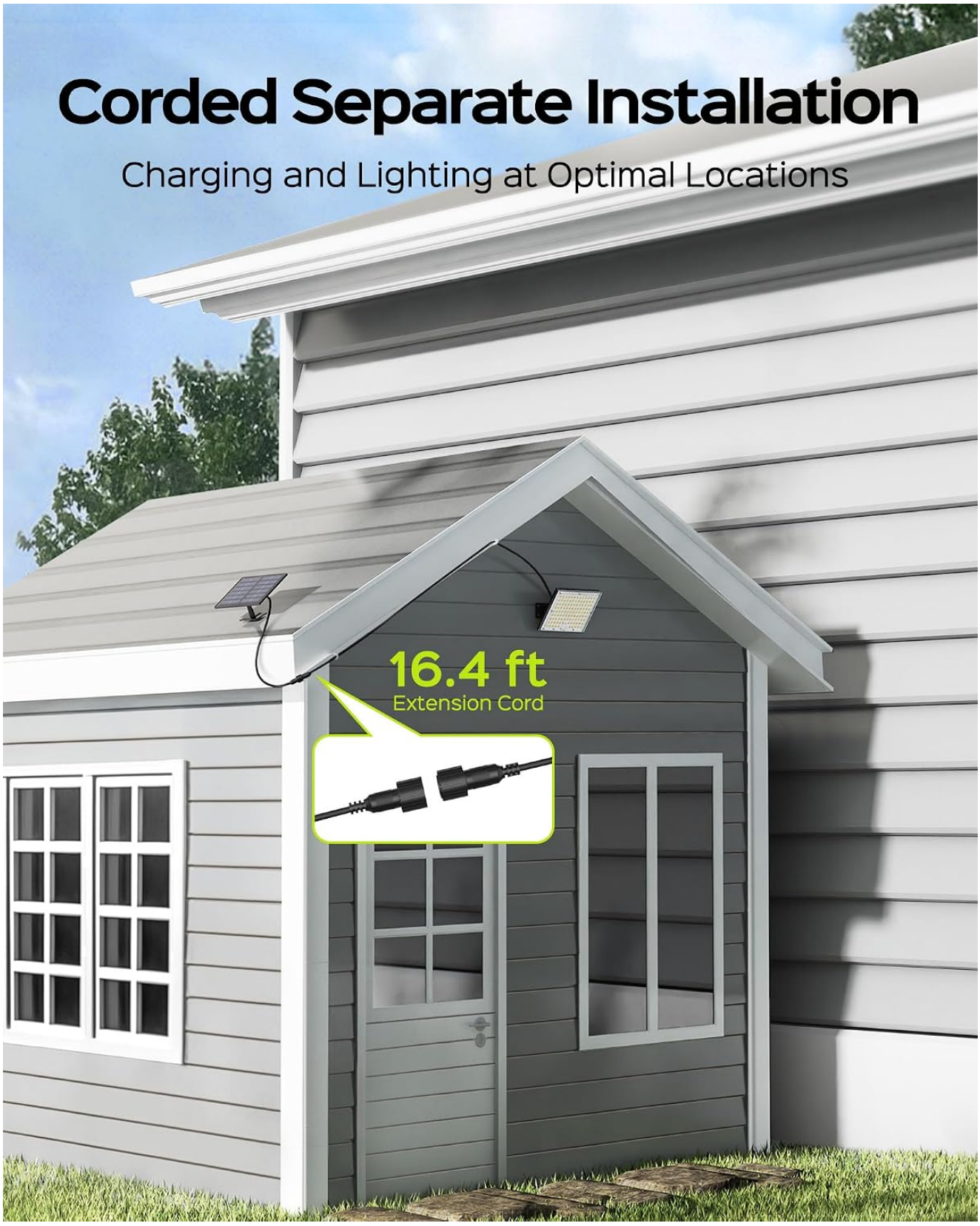


Figure 2: Corded Separate Installation for optimal charging and lighting.



Figure 3: Lensed LEDs provide brighter and longer-lasting uniform light rays.

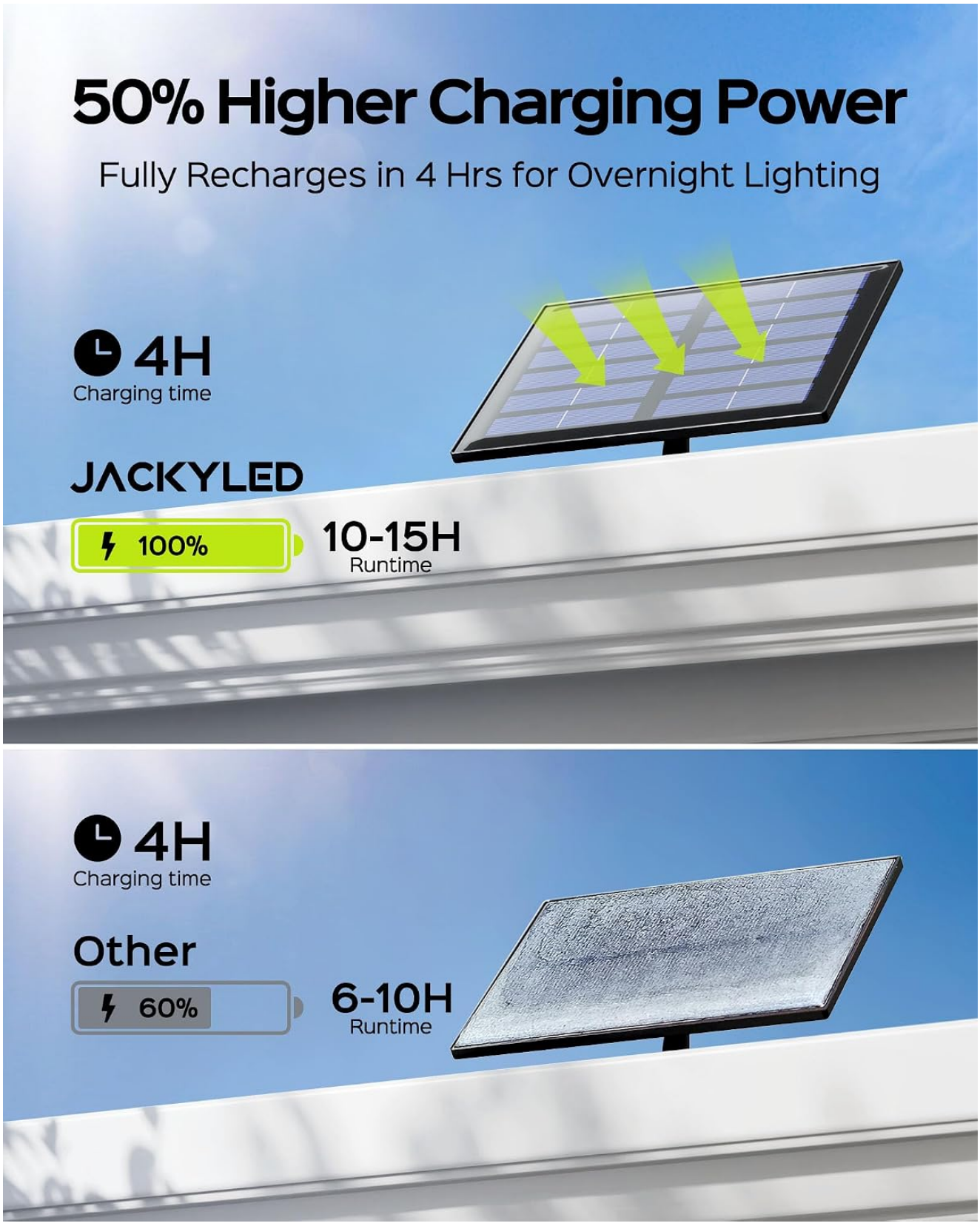


Figure 4: High-power solar panel ensures sufficient charge for overnight illumination.

4. Setup and Installation

Recommended light installation height: 6-9 ft.

1. **Step 1: Install Mounting Bases**
   Drill holes at your desired installation location. Use the provided plastic anchors and screws to securely fix the mounting bases to the surface.

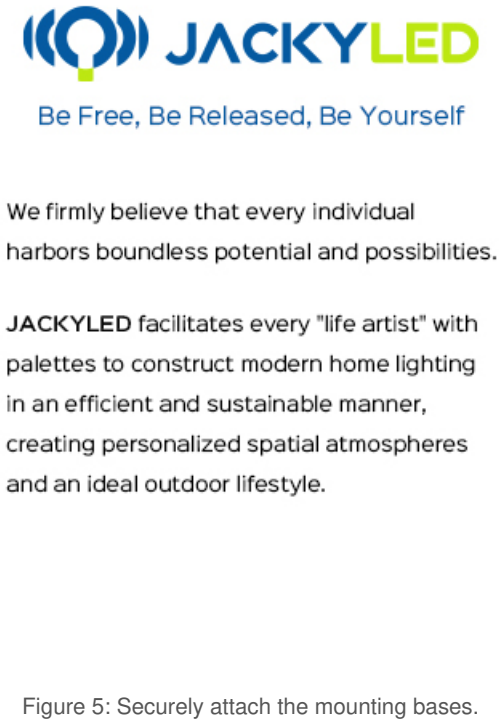


Figure 5: Securely attach the mounting bases.

2. **Step 2: Attach Light and Solar Panel**
   Plug the solar panel and light panel into their respective mounting bases. Connect the 16.4ft extension cord between the solar panel and the light unit. Ensure the connection is secure and waterproof.



Figure 6: Connect the solar panel and light unit.

For a visual guide on installation, please refer to the video below:

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Video 1: Brighter Cool White Solar Panel Lights with Motion Sensor - Installation overview and demonstration.

5. Operating Modes

The solar motion sensor light features a sensitive PIR motion sensor and three distinct working modes. Press the

switch located behind the solar outdoor light to cycle between these modes:

- **Mode 1: OFF-to-Bright (Motion Activated)**
  The light remains OFF until motion is sensed. Upon detecting movement (humans, animals, or vehicles), the light turns on at full brightness for 20 seconds, then turns OFF again.
- **Mode 2: ALWAYS ON (Dusk to Dawn)**
  The light stays ON from dusk to dawn at a low light level. The motion sensor is inactive in this mode.
- **Mode 3: Dim-to-Bright (Motion Activated)**
  The light stays ON from dusk to dawn at a dim light level. When motion is sensed, the light turns bright for 18 seconds, then returns to dim.



Figure 7: Visual representation of the 3 working modes.

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Video 2: JACKYLED Solar LED Motion Sensor Lights Setup & Demo - Demonstrates the different lighting modes.

6. Maintenance

To ensure optimal performance and longevity of your JACKYLED Solar Lights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may accumulate and reduce charging efficiency.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel throughout the day.
- **Inspect Wiring:** Periodically check the extension cord and connections for any signs of wear, damage, or loose connections.
- **Winter Care:** In areas with heavy snow or prolonged freezing temperatures, ensure the solar panel is clear of snow and ice to allow for charging.

7. Troubleshooting

If your solar light is not functioning as expected, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel.
Light flickers or has low brightness.	Low battery charge or dirty panel.	Allow for full day's charge. Clean solar panel. Check for obstructions.
Motion sensor not detecting.	Sensor obstructed or incorrect mode.	Ensure sensor is clear of debris. Cycle through modes to select motion-activated setting.
Light turns on during the day.	Solar panel not detecting darkness.	Relocate solar panel to an area not exposed to artificial light at night.

8. Specifications

- **Brand:** JACKYLED
- **Model Name:** Solar Lights
- **Part Number:** JACKYLED790
- **Light Source Type:** LED (113 units)
- **Light Color:** Cool White
- **Brightness:** 1130 lumen
- **Power Source:** Solar Powered
- **Battery:** 1500mAh (rechargeable)
- **Extension Cord Length:** 16.4 ft
- **Motion Sensor Range:** 22ft / 120°
- **Water Resistance Level:** IP65 (wet-rated)

- **Material:** Polycarbonate, Acrylonitrile Butadiene Styrene
- **Product Dimensions:** 5.9"L x 0.6"W x 4.3"H
- **Item Weight:** 15.1 ounces
- **Certifications:** MSDS, CE, FCC, UN38.3, RoHS

9. Warranty and Support

The JACKYLED Solar Lights are backed with a **1-year warranty**.
For any product inquiries, technical assistance, or warranty claims, please visit the official JACKYLED Store on Amazon or contact their customer support directly. JACKYLED offers 24/7 customer service and professional assistance to help with your products.
Visit the JACKYLED Store for more information.

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.

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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