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JACKYLED 1000 Lumens 299 LED Solar Lights Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JACKYLED 1000 Lumens 299 LED Solar Lights. Please read this manual thoroughly before using the product to ensure proper function and longevity.

SAFETY INFORMATION

- Ensure all components are securely fastened during installation to prevent accidental falls.
- Do not attempt to disassemble or modify the product. This may void the warranty and cause damage or injury.
- Keep the solar panel clean to ensure optimal charging efficiency.
- Avoid placing the solar panel in shaded areas, as this will reduce its charging capability.
- This product is designed for outdoor use and is IP65 waterproof. However, avoid submerging it in water.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x LED Light Panel (299 LEDs)
- 1 x Solar Panel
- 1 x 16.4ft Extension Cord
- 2 x Mounting Brackets
- Screws and Anchors for installation

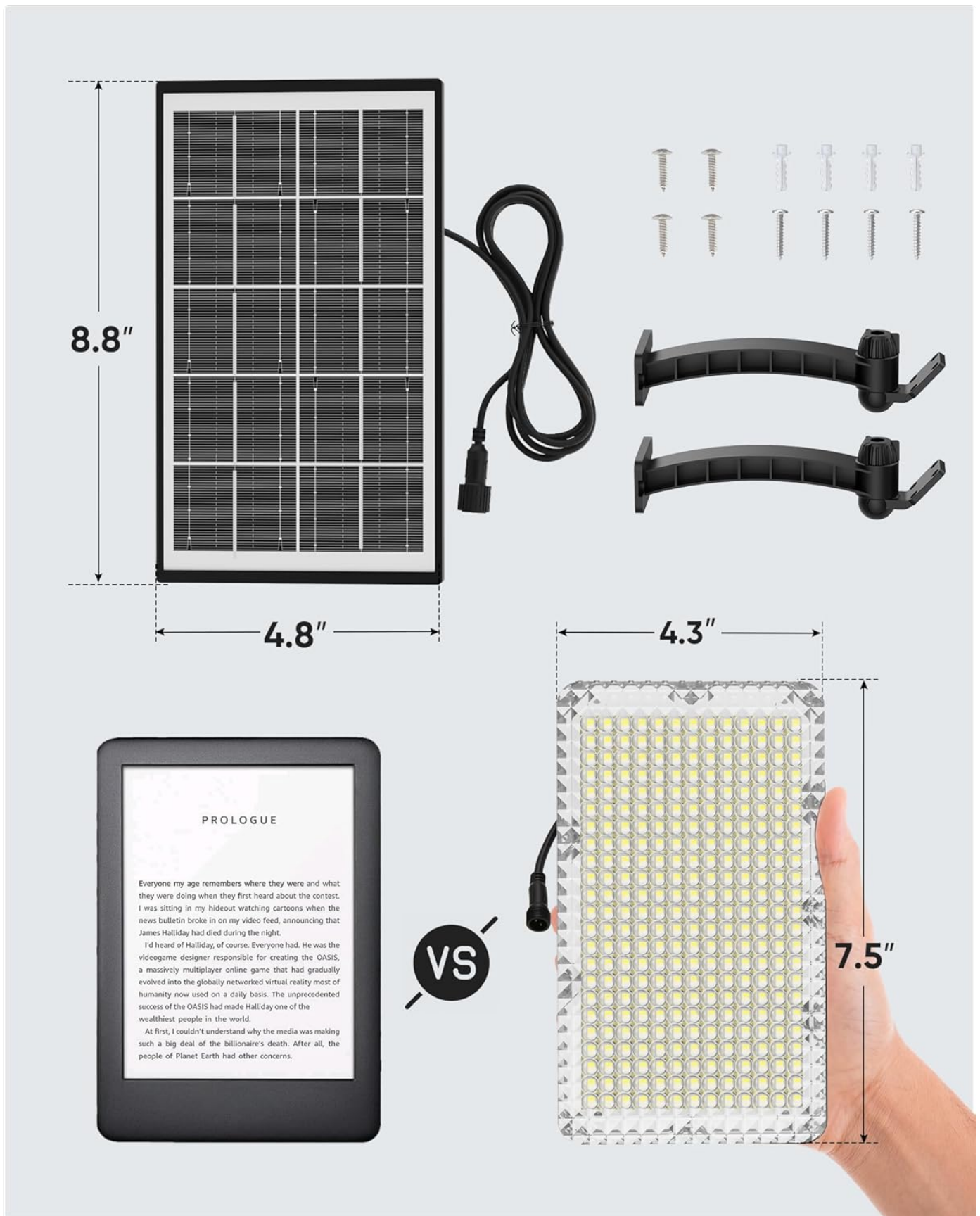


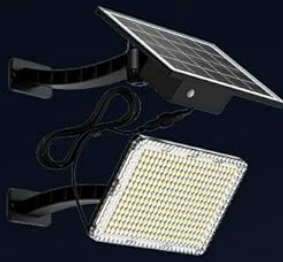
Image: Overview of the product components, including the solar panel, LED light unit, extension cable, and mounting accessories. Dimensions for the solar panel (8.8" x 4.8") and light unit (7.5" x 4.3") are also shown.

PRODUCT FEATURES

- **High Brightness:** Equipped with 299 LEDs, providing 1000 lumens of brightness.
- **Adjustable Lighting:** The LED lamp panel can be adjusted left, right, up, and down to customize the lighting direction, covering a 120° area.

- **Efficient Solar Charging:** Features a monocrystalline solar panel for faster charging, reducing full recharge time to 6.25 hours for the 4000mAh battery.
- **Extended Illumination:** Provides up to 15 hours of light on a full charge.
- **Long Extension Cord:** A 16.4ft extension cord allows flexible placement of the solar panel for optimal sun exposure and the light panel in desired locations.
- **Durable Design:** IP65 waterproof rating with high-strength PC/ABS material, suitable for various outdoor weather conditions.

Upgraded to **2.0** Version



2.0

1.0



6.25H

Shorter Charging Time

8H

8.5"×5"

Larger Solar Panel

7.5"×4.3"

Max 15H

Longer Lighting Duration

Max 12H

299 LEDs

Brighter Light

48 LEDs

**Left-right &
up-down**

More Flexible Orientation

Left-right



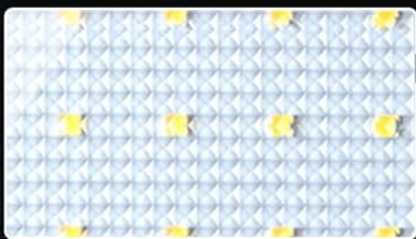
Image: This graphic illustrates the enhancements of the Version 2.0 solar light. Key improvements include a shorter charging time of 6.25 hours, a larger 8.5"×5" solar panel, a longer lighting duration of up to 15 hours, an increased LED count of 299, and more flexible orientation with left-right and up-down adjustments.

Lensed LEDs Are Brighter

Convex lenses concentrate light to brighten up a longer distance



Now: Lensed LEDs



Then: Bare LEDs



Image: A visual comparison demonstrating the effectiveness of lensed LEDs. Convex lenses are used to concentrate light, resulting in a brighter and more focused beam that illuminates a longer distance, as opposed to bare LEDs which provide a more diffused light.

IP65 Weatherproof

Brave the elements all year round



Image: The solar light is shown mounted on an outdoor fence during a rain shower, illustrating its IP65 weatherproof construction designed to withstand various elements throughout the year.

SETUP AND INSTALLATION

Follow these three steps for easy installation:

1. **Connect the Cord:** Connect the extension cord between the solar panel and the LED light panel. Ensure the

connection is secure.

2. **Assemble Light and Panel:** Attach the solar panel and the LED light panel to their respective mounting brackets.
3. **Mount Components:** Choose suitable locations for both the solar panel and the LED light panel. Mount them using the provided screws and anchors. The 16.4ft extension cord allows for separate installation, enabling the solar panel to be placed in an area with maximum sunlight exposure (e.g., rooftop) and the light panel in the desired illumination area.

After installation, locate the power switch behind the solar panel and turn it ON. The light will automatically recharge during the day and illuminate at night.

Separate Installation

With a 16.4ft extension cord

Charge in the sun

Auto ON at night

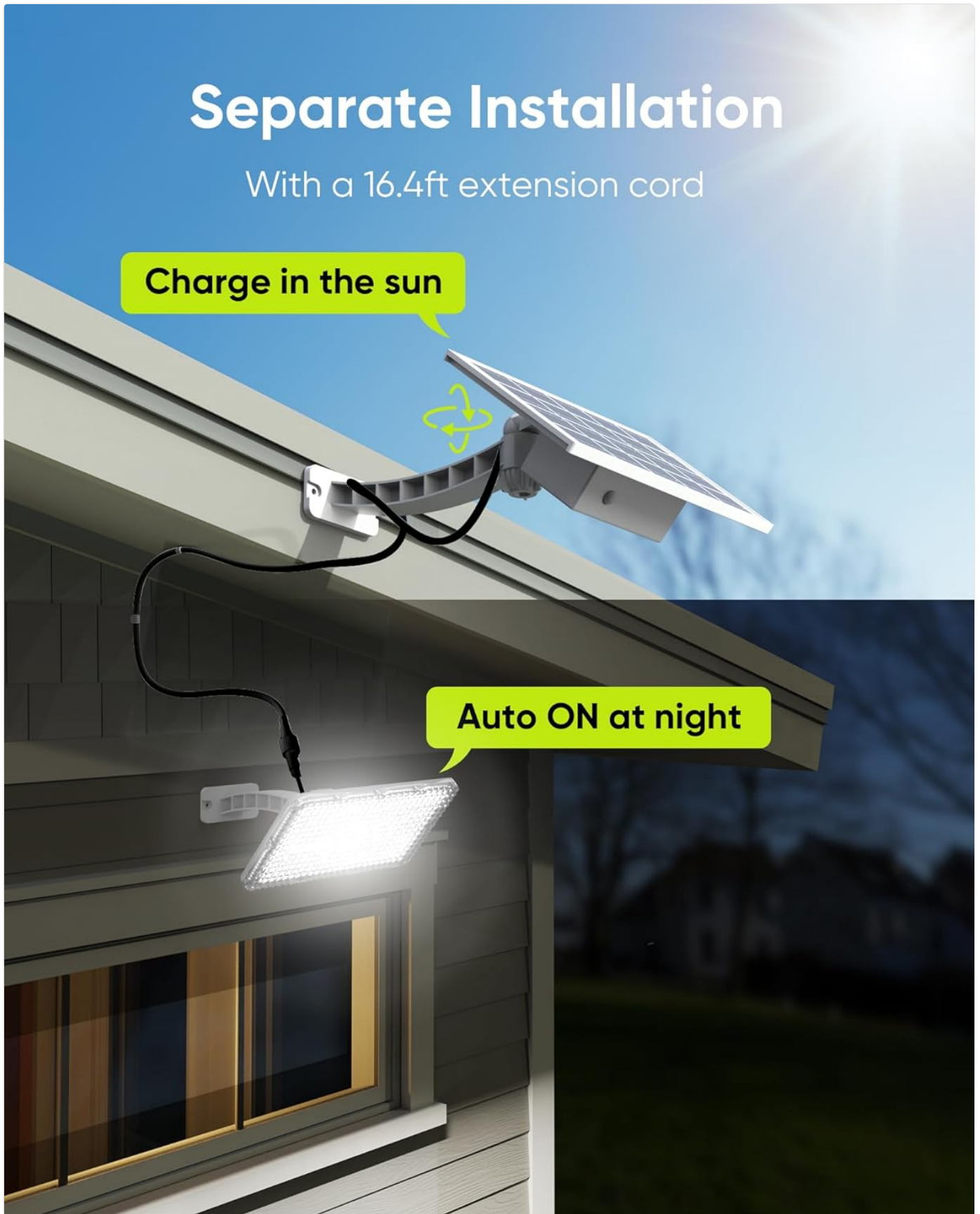


Image: This diagram illustrates the separate installation capability of the solar light. The solar panel is positioned on a roof to maximize sun exposure for charging, while the LED light unit is mounted below a window to provide illumination. Both components are connected by a 16.4ft extension cord.

OPERATING INSTRUCTIONS

The JACKYLED Solar Light operates automatically once the power switch is turned ON.

- **Automatic Operation:** The solar panel charges the internal battery during daylight hours. At dusk, the light sensor detects low light conditions and automatically turns the LED light ON. At dawn, it automatically turns OFF and begins recharging.
- **No Motion Sensor:** Please note that this specific model operates on a dusk-to-dawn cycle and does not include a motion sensor feature.

Charges Faster, Works Longer

Upgraded to a larger monocrystalline panel with
20% higher efficiency



Last for
12-15H



Image: This image depicts the operational cycle of the solar light. During the day, the solar panel charges the battery, with a full charge achieved in approximately 6.5 hours. At night, the light automatically activates, providing illumination for 12 to 15 hours.

MAINTENANCE

Regular maintenance ensures optimal performance of your solar light.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Inspect Connections:** Occasionally check the connection between the solar panel and the light unit to ensure it remains secure and free from corrosion.
- **Clear Obstructions:** Ensure no new obstructions (e.g., growing tree branches, new structures) are shading the solar panel, especially during peak sunlight hours.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	<ol style="list-style-type: none">1. Power switch is OFF.2. Insufficient sunlight exposure for charging.3. Solar panel is dirty or obstructed.4. Battery charge is depleted.	<ol style="list-style-type: none">1. Ensure the power switch behind the solar panel is ON.2. Relocate the solar panel to an area with direct sunlight for at least 6-8 hours daily.3. Clean the solar panel surface. Remove any obstructions.4. Allow the light to charge for a full day in direct sunlight.
Light is dim or only stays on for a short period.	<ol style="list-style-type: none">1. Insufficient charging due to cloudy weather or shade.2. Solar panel is dirty.3. Battery capacity reduced over time.	<ol style="list-style-type: none">1. Ensure the solar panel receives maximum direct sunlight. Allow several sunny days for a full charge.2. Clean the solar panel.3. While the battery is designed for longevity, extreme temperatures or prolonged use may affect capacity. Ensure optimal charging conditions.
Water ingress in the light unit.	Damage to the housing or seals.	Contact customer support if the product is within its warranty period.

SPECIFICATIONS

Feature	Detail
Brand	JACKYLED
Model	1000 Lumens 299 LED Solar Lights
Light Source Type	LED (299 units)
Brightness	1000 Lumens
Power Source	Solar Powered
Battery Capacity	4000mAh (internal)
Charging Time	Approx. 6.25 hours (in direct sunlight)

Feature	Detail
Lighting Duration	Up to 15 hours (on full charge)
Extension Cord Length	16.4 ft (5 meters)
Material	Polycarbonate, Acrylonitrile Butadiene Styrene (PC/ABS)
Waterproof Rating	IP65
Indoor/Outdoor Usage	Outdoor
Voltage	5.5 Volts
Mounting Type	Wall Mount

WARRANTY

JACKYLED products are manufactured to high-quality standards. For specific warranty details, including duration and coverage, please refer to the product packaging or contact JACKYLED customer support. Keep your purchase receipt as proof of purchase.

CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or encounter any issues with your JACKYLED Solar Lights, please contact our customer support team. Refer to the contact information provided on the product packaging or the official JACKYLED website for the most up-to-date support channels.