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> JACKYLED Solar Street Light 300W Outdoor Solar Street Light 30000 Lumens Solar Security Light IP65 Waterproof Solar Flood Light for Yard, Driveway, Pathway Lighting User Manual

## JACKYLED 300w-JK223032801

# JACKYLED Solar Street Light 300W User Manual

Model: 300w-JK223032801

## 1. PRODUCT OVERVIEW

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The JACKYLED 300W Solar Street Light is an advanced outdoor lighting solution designed for various applications such as yards, driveways, and pathways. This solar-powered security light features a high lumen output, motion sensing capabilities, and robust IP65 waterproofing, ensuring reliable performance in diverse weather conditions. It operates independently of the electrical grid, offering an energy-efficient and cost-effective lighting solution.



Figure 1: JACKYLED 300W Solar Street Light and its remote control. This image illustrates the main components of the lighting system, including the solar panel, LED array, and the infrared remote for controlling various functions.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, injury, or death.

- Ensure the installation surface is stable and can support the weight of the light.
- Do not look directly into the LED light source when it is illuminated, as it may cause eye strain or damage.
- Keep the solar panel clean to ensure optimal charging efficiency.
- Do not attempt to disassemble or modify the light. Refer all servicing to qualified personnel.
- Dispose of batteries according to local regulations.
- This product is designed for outdoor use and is IP65 waterproof; however, avoid submerging it in water.

### 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon opening the package:

- 1 x JACKYLED Solar Street Light (LED Reflector, Shade)
- 1 x Remote Control
- Mounting Hardware (Mounting bracket, hose clamp, screws, bolts)
- 1 x User Manual (This document)

### 4. PRODUCT FEATURES

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- **0 Cost and Super Bright:** Solar-powered, eliminating electricity bills. Delivers 30,000 lumens with 300W power, illuminating up to 980 square feet.
- **Over 8 Years of Battery Life:** Equipped with EV-grade battery technology for extended lifespan, reducing maintenance.
- **Light at Anytime:** Advanced solar energy solutions ensure performance even on continuous rainy days.
- **3 Lighting Modes:** Adjustable brightness, motion sensing mode, and Dusk to Dawn mode for versatile lighting needs.
- **Worry-free Installation:** Includes all necessary mounting hardware for wall, tree, or pole installation.
- **Waterproof:** IP65 rated for outdoor durability.

# Super Bright Light

Equivalent to a 300W incandescent light



**270** Super  
Bright LEDs



**30,000**  
Lumens

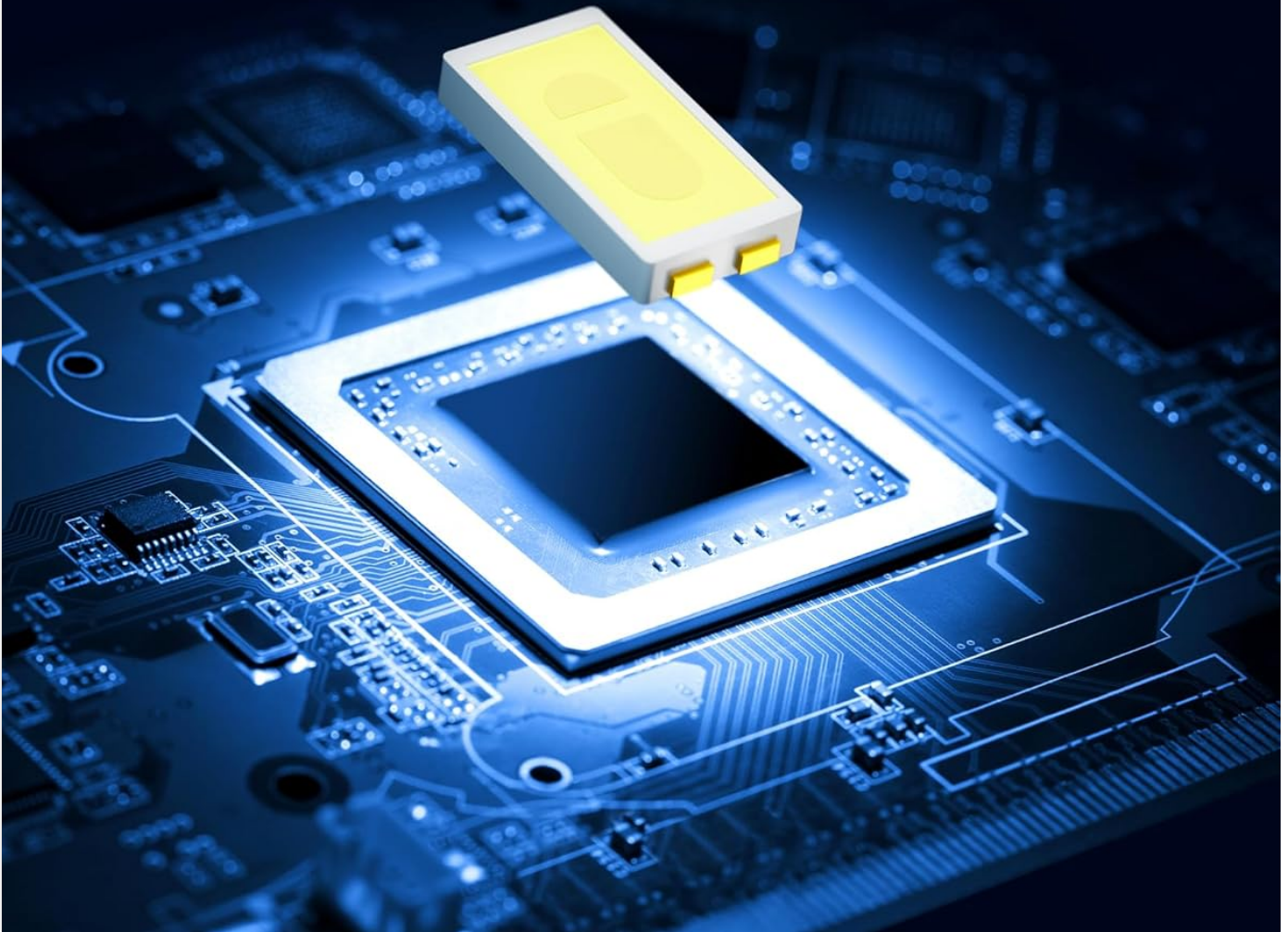


Figure 2: Illustration of the light's brightness, highlighting 270 super bright LEDs and 30,000 lumens output. This demonstrates the powerful illumination capability of the street light.

# EV-Grade Battery

Service Life Up to **50,000** Hours (Over 8 Years)

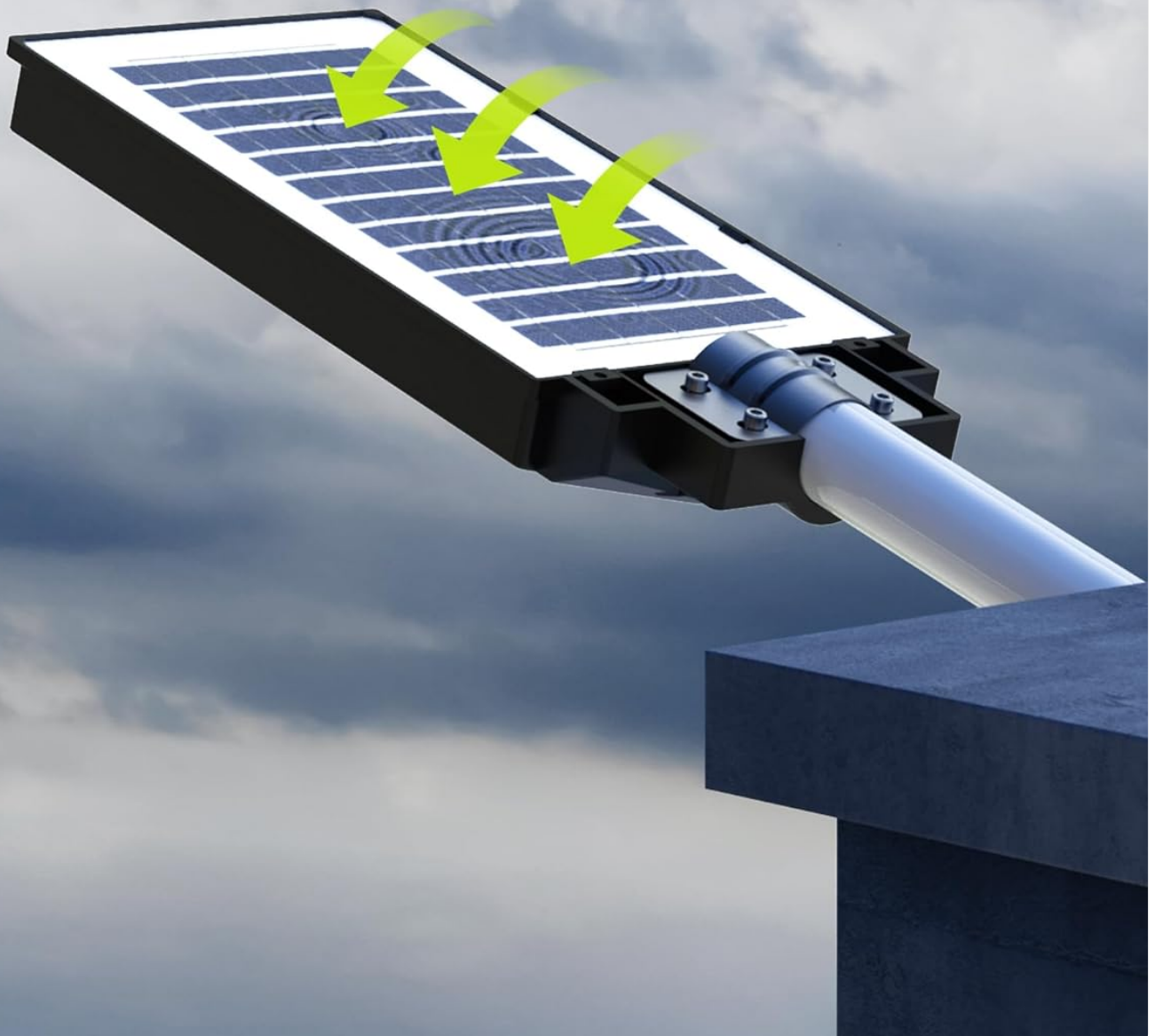


EV (Electric Vehicle) graded battery features with a high capacity to provide amazing durability, efficiency, and long lifespan

*Figure 3: Visual representation of the EV-grade battery, emphasizing its long service life of over 8 years or 50,000 hours. This highlights the durability and efficiency of the battery technology.*

# Gloomy Days? No Problem

Even for **5 Consecutive Gloomy Days**  
on Motion Sensor Mode



*Figure 4: Image depicting the solar panel's ability to charge even on gloomy days, ensuring continuous operation. This illustrates the light's resilience in less-than-ideal weather conditions.*

# Fully Charged in Only 4H

Conversion Rate Up to 25%

[⚡]  
4H



# Lighting Up to 15H

Supported by 10,000 mAh Battery

[💡]  
15H



Figure 5: Infographic showing the rapid charging time of 4 hours and extended lighting duration of up to 15 hours, supported by a 10,000 mAh battery. This highlights the efficiency of the charging and discharge cycle.

# 1 Light Is Enough

220° Wide Lighting Angle  
Covers **960 Sq. Ft** Frontyard Area



Figure 6: Image demonstrating the wide lighting angle of 220 degrees, covering an area of 960 square feet. This illustrates the broad coverage provided by a single unit.

## 5. SETUP AND INSTALLATION

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The JACKYLED Solar Street Light offers flexible installation options for various outdoor environments. It can be mounted on a wall, tree, or pole using the provided hardware.

## 5.1 Choosing an Installation Location

Select a location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging of the solar panel. Avoid areas shaded by trees, buildings, or other obstructions.

## 5.2 Installation Steps

1. **Assemble Mounting Bracket:** Attach the mounting bracket to the back of the solar street light using the provided screws and bolts. Ensure it is securely fastened.
2. **Mark Drilling Points:** Hold the assembled light with the bracket against the desired installation surface (wall, tree, or pole). Use a pencil or marker to mark the drilling points for the bracket.
3. **Drill Holes:** Drill appropriate holes at the marked points. For masonry or concrete, use a hammer drill and suitable anchors. For wood, drill pilot holes.
4. **Secure the Light:** Align the mounting bracket with the drilled holes and secure the light using the provided screws and bolts. If mounting to a pole, use the hose clamp to firmly attach the bracket to the pole.
5. **Adjust Angle:** Once secured, adjust the angle of the light to ensure the solar panel faces the sun for maximum exposure and the light illuminates the desired area.

## 6. OPERATING INSTRUCTIONS

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The JACKYLED Solar Street Light is designed for automatic operation but can be controlled and customized using the included remote control.

### 6.1 Initial Activation

Upon first use, ensure the solar panel is exposed to direct sunlight for at least 6-8 hours to fully charge the internal battery before initial operation.

### 6.2 Remote Control Functions

The remote control allows you to select different lighting modes and adjust settings:

- **ON/OFF:** Turns the light on or off manually.
- **Dusk to Dawn Mode:** Activates automatic lighting from dusk till dawn. The light will turn on at night and turn off at sunrise.
- **Motion Sensing Mode:** The light will remain dim and brighten to full brightness when motion is detected, then return to dim after a set period of no motion. This mode conserves energy.
- **Brightness Adjustment:** Use the percentage buttons (e.g., 25%, 50%, 75%, 100%) to set the desired brightness level.
- **Timer Settings:** Set the light to operate for a specific duration (e.g., 3H, 5H, 8H) after activation.

*Note: The light features an intelligent solar energy solution that allows it to operate effectively even after several consecutive gloomy days, especially in motion sensing mode.*

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your solar street light.

- **Clean Solar Panel:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Inspect Fixture:** Annually inspect the light fixture, mounting hardware, and wiring for any signs of wear, corrosion, or damage. Tighten any loose screws or bolts.
- **Battery:** The EV-grade battery is designed for over 8 years of service life (50,000 hours) and does not require user

replacement under normal conditions. If you suspect a battery issue, contact customer support.

## 8. TROUBLESHOOTING

If you encounter issues with your JACKYLED Solar Street Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge. Solar panel is dirty or obstructed. Light is in OFF mode.	Ensure solar panel receives direct sunlight for 6-8 hours daily. Clean the solar panel surface. Use the remote control to turn the light ON or select an automatic mode (Dusk to Dawn, Motion Sensing).
Light is dim or only stays on for a short period.	Battery not fully charged. Prolonged cloudy/rainy weather. Solar panel is dirty.	Allow several sunny days for the battery to fully charge. Clean the solar panel. Consider using Motion Sensing mode to conserve battery power during extended periods of low sunlight.
Remote control is not working.	Remote battery is dead. Obstruction between remote and light.	Replace the remote control battery. Ensure a clear line of sight between the remote and the light's sensor.

## 9. SPECIFICATIONS

Attribute	Detail
Brand	JACKYLED
Model Name	300W Solar Street Light
Model Number	300w-JK223032801
Wattage	300 watts
Brightness	30,000 lumens
Light Source Type	LED
Material	Acrylonitrile Butadiene Styrene, Aluminum
Color	Black
Product Dimensions	10"L x 10"W x 8"H
Item Weight	6 Pounds
Power Source	Solar Powered
Voltage	12 Volts (DC)
Installation Type	Wall Mount/Pole Mount

Attribute	Detail
Water Resistance Level	Waterproof (IP65)
Battery Type	Lithium Ion (EV-grade)
Average Battery Life	50,000 Hours (Over 8 Years)
Control Method	Remote Control
Special Features	Adjustable Brightness, Motion Sensor, Remote Control, Timer, Water Resistant, Waterproof

## 10. WARRANTY AND SUPPORT

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### 10.1 Warranty Information

JACKYLED provides a **5-year product warranty** for this solar street light. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

### 10.2 Customer Support

For any questions, concerns, or technical assistance regarding your JACKYLED solar parking lot light, please do not hesitate to contact our customer support team. We are dedicated to providing premium products and service.

Please visit the official JACKYLED store on Amazon for more information or to contact support:

[JACKYLED Official Store](#)