

SUNLONG

RLS015 LED SECURITY
FLOOD LIGHT



SUNLONG RLS015 LED Security Flood Light Instruction Manual

[Home](#) » [SUNLONG](#) » SUNLONG RLS015 LED Security Flood Light Instruction Manual 

Contents

- 1 [SUNLONG RLS015 LED Security Flood Light](#)
- 2 [INTRODUCTION](#)
- 3 [SPECIFICATIONS](#)
- 4 [WHAT'S IN THE BOX](#)
- 5 [FEATURES](#)
- 6 [SETUP GUIDE](#)
- 7 [CARE & MAINTENANCE](#)
- 8 [TROUBLESHOOTING](#)
- 9 [PROS & CONS](#)
- 10 [WARRANTY](#)
- 11 [FREQUENTLY ASKED QUESTIONS](#)
- 12 [VIDEO – PRODUCT OVERVIEW](#)
- 13 [References](#)

SUNLONG

SUNLONG RLS015 LED Security Flood Light



INTRODUCTION

Designed to improve outdoor security, the SUNLONG RLS015 LED Security Flood Light is a strong and energy-efficient lighting option. This solar-powered flood light, which has a brightness of 250 lumens, reliably illuminates patios, gardens, driveways, and entryways. Its LED construction guarantees enduring performance with low energy consumption. The push-button controller guarantees simple operation, and the 5.5V solar panel makes charging hassle-free during the day. It efficiently illuminates expansive areas with a covering area of 70 square feet. This flood light, which weighs only 1.32 pounds and has a remarkable 4-year battery life, is made by SUNLONG. Since its January 29, 2018, launch, it has established itself as a reliable option for households seeking a long-lasting, economical, and environmentally responsible security lighting solution. At \$31.99, it offers excellent performance at a reasonable price.

SPECIFICATIONS

Brand	SUNLONG
Price	\$31.99
Product Dimensions	7 L x 8 W x 16 H inches
Power Source	Solar Powered
Light Source Type	LED
Voltage	5.5 Volts
Wattage	2 Watts
Controller Type	Push Button
Brightness	250 Lumen
Item Weight	1.32 pounds
Item Model Number	RLS015
Batteries Required	1 Lithium-Ion battery
Coverage	70 square feet
Battery Cell Type	Lithium-Ion
Average Battery Life	4 years
Date First Available	January 29, 2018

WHAT'S IN THE BOX

- LED Security Flood Light
- Manual

FEATURES

- **Next-Generation Solar Spotlight:** Bright and effective lighting is guaranteed by cutting-edge LED technology.
- **Exceptionally Bright LED:** With 250 lumens of luminance, this LED is ideal for outdoor and security lights.
- **Whole Night Operation:** It can function all night long if it is fully charged throughout the day.
- **Integrated Light Sensor:** For hands-free use, it automatically turns on at dusk and off at the morning.



- **Waterproof and Heatproof (IP65 Rated):** Able to withstand severe weather, such as snow, rain, and intense heat.
- **Flexible Installation:** A 16.4-foot extension wire enables the insertion of a separate solar panel in locations with little sunlight.
- **Adjustable Lamp Fixture:** You may change the direction of the light to get the lighting effect you want.
- **Two Choices for Mounting:** It can be placed on walls with mechanical fasteners or staked into the ground.
- **Soft Downlight/Uplight Effects:** Offers a variety of lighting options for driveways, flags, paths, and gardens.
- **Natural White Light (5500K):** For security and ambience, it creates illumination that is bright but not glaring.
- **Broad Illumination Coverage:** At a distance of 7 feet, each spotlight can light up an area that is 15 feet by 15 feet.
- **Rechargeable Safety Battery:** A high-capacity lithium-ion battery is included pre-installed and may be replaced.
- **Extended Battery Life:** A high-performance battery can operate for more than two years before needing to be replaced.
- **Cost-effective and Energy-efficient:** Utility bills are decreased because no wiring or electricity is needed.
- **Simple Installation & Removal:** No expert assistance is required for this straightforward setup procedure.

SETUP GUIDE

- **Unpack the Parts:** Verify that the solar panel, light fixture, extension cord, and mounting hardware are all included.

- **Pick an Appropriate Spot:** To optimize solar panel exposure, pick a well-lit area.
- **Select the Mounting Option:** Choose between screwing into the wall or staking into the ground.
- **Install the Solar Panel:** Use the screws for wall mounting or the stake that comes with it for ground mounting.



- **Modify the Solar Panel Angle:** Slant the panel to receive as much sunlight as possible during the day.
- **Attach the Extension Cable:** Firmly fasten the 16.4-foot cable to the light fixture.
- **Place the Spotlight:** For best coverage, direct the light toward the intended area.
- **Secure the Light Fixture:** Press the stake firmly into the ground or use mechanical fasteners if fixing it to the wall.
- **Test the Auto-On Feature:** Place your hand over the solar panel to see if the light turns on by itself.
- **Change the Angle of the Light Fixture:** Adjust it so that it focuses on the desired location.
- **Charge for Best Results:** Before using, let it sit in direct sunshine for 6 to 8 hours.
- **Verify the Coverage Area:** Make sure the spotlight covers the 70 square feet that it is supposed to.
- **Avoid Direct Eye Exposure:** For your own protection, avoid looking straight into the light.
- **Monitor Nighttime Performance:** Ensure the light turns on correctly at nightfall and stays on until daylight.
- **Make the Required Modifications:** If necessary, move the light fixture or solar panel to improve performance.

CARE & MAINTENANCE

- **Clean the Solar Panel:** To ensure effective solar charging, remove dirt and debris regularly.
- **Ensure Maximum Sunlight Exposure:** Get rid of anything that could interfere with charging, such as leaves or

shadows.

- **Examine for Water Accumulation:** Although waterproof, excessive moisture should be eliminated from areas close to connections.
- **Avoid Excessive Wire Bending:** To prevent internal wire damage, keep cables neatly placed.
- **Store During Severe Winters:** To avoid damage, keep the light and batteries in a dry location when not in use.
- **Periodically Check Battery Health:** For best results, replace the lithium-ion battery every two to four years.
- **Seasonally Modify the Light's Position:** As the sun's angle varies throughout the year, move the solar panel.
- **Avoid Overheating:** Keep the panel away from heat sources that could shorten the battery's life.
- **Secure During Strong Winds:** To stop the fixture from moving if it is placed in an open location, reinforce it.
- **Check Wires for Wear and Tear:** To preserve efficiency, replace frayed or damaged wires.
- **Reset if the Light Stops Working:** Turn it off for a full day and then turn it back on.
- **Avoid Harsh Chemicals:** Use a moist towel rather than powerful detergents to clean the fixture.
- **Monitor Light Coverage:** Make sure the light is shining on the designated region by checking it from time to time.
- **Test the Auto-On Function Frequently:** To make sure the light is reacting properly, cover the solar panel.
- **Replace if Performance Declines:** If the brightness noticeably decreases, consider replacing the solar panel or LED unit.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Light not turning on	Insufficient sunlight	Ensure the solar panel receives full sunlight for at least 6-8 hours.
Dim light output	Dirty solar panel	Clean the solar panel with a soft cloth and mild soap.
Light turns off too quickly	Battery not fully charged	Allow the battery to charge for a full day before use.
Flickering light	Loose wiring	Check connections and ensure the battery is properly installed.
Not charging properly	Blocked solar panel	Remove any obstructions blocking sunlight.
Light not staying on	Battery lifespan issue	Replace the lithium-ion battery if older than 3-4 years.
Water inside light	Seal damage	Inspect seals and replace if needed; ensure waterproofing is intact.
LED not working	LED bulb failure	Contact manufacturer for replacement LEDs.
Turns on during the day	Sensor malfunction	Reset the system or check if the sensor is covered.
Short lighting duration	Cold weather affecting battery	Move to a slightly warmer location or allow extra charging time.

PROS & CONS

Pros

1. Solar-powered, reducing electricity costs.
2. Wide 70 sq. ft. coverage ensures maximum security.
3. Durable lithium-ion battery with up to 4 years of lifespan.
4. Bright 250-lumen LED light for effective outdoor illumination.
5. Compact and lightweight design for easy installation.

Cons

1. Requires direct sunlight for optimal charging.
2. Manual push-button control, no remote access.
3. Limited wattage (2W) compared to wired floodlights.
4. Not motion-activated, remains on continuously when powered.
5. Battery replacement is needed after extended use.

WARRANTY

The SUNLONG RLS015 LED Security Flood Light comes with a standard manufacturer warranty. While the exact duration isn't specified, the average battery life is 4 years, ensuring long-term reliability. For any defects or performance issues, contact SUNLONG's customer support for warranty claims and product replacements.

FREQUENTLY ASKED QUESTIONS

How bright is the SUNLONG RLS015 LED Security Flood Light?

It delivers a brightness of 250 lumens, providing ample illumination for outdoor security.

What is the coverage area of the SUNLONG RLS015 LED Security Flood Light?

This flood light covers up to 70 square feet, making it suitable for driveways, patios, or gardens.

What is the power source for the SUNLONG RLS015 LED Security Flood Light?

It is powered by solar energy and requires one lithium-ion battery for operation.

What are the dimensions of the SUNLONG RLS015 LED Security Flood Light?

The product measures 7 inches in length, 8 inches in width, and 16 inches in height.

How long does the battery of the SUNLONG RLS015 LED Security Flood Light last?

The battery has an average lifespan of 4 years, ensuring long-term performance.

What is the voltage rating of the SUNLONG RLS015 LED Security Flood Light?

It operates on 5.5 volts, ensuring stable and efficient performance.

Why is my SUNLONG RLS015 LED Security Flood Light not turning on?

Ensure the solar panel is receiving direct sunlight and check that the push-button switch is turned on.

What should I do if the SUNLONG RLS015 LED Security Flood Light is not charging properly?

Clean the solar panel to remove dirt or debris and position it in an area with maximum sun exposure.

VIDEO – PRODUCT OVERVIEW



<https://www.references.plus/wp-content/uploads/2025/03/SUNLONG-RLS015-LED-Security-Flood-Light-Instruction-Manual.mp4>

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