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- › T-SUNUS Solar Garden Spot Lights (Model TS-S5306-7C-SZ / TS-S4501-2H-RGB) Instruction Manual

T-SUNUS TS-S5306-7C-SZ

T-SUNUS Solar Garden Spot Lights Instruction Manual

Models: TS-S5306-7C-SZ, TS-S4501-2H-RGB

1. INTRODUCTION

Thank you for choosing T-SUNUS Solar Garden Spot Lights. These LED landscape lights are designed to provide efficient and versatile outdoor illumination, powered by solar energy. Featuring a separated solar panel, automatic dusk-to-dawn operation, and adjustable light heads, these lights are ideal for enhancing the ambiance and safety of your garden, driveway, pathway, or pool area. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your product.



Image: T-SUNUS Solar Garden Spot Lights providing illumination for various outdoor settings, including garden paths, pool areas, and house exteriors, demonstrating their versatile application.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and use.
- Do not attempt to disassemble, repair, or modify the product. This may cause damage and void the warranty.
- Keep the product away from fire and extreme heat sources.
- Ensure the solar panel is placed in an area that receives direct sunlight for at least 8-12 hours daily for optimal charging.
- Avoid placing the solar panel under other light sources at night, as this may prevent the lights from turning on automatically.
- Handle the stakes and sharp edges with care during installation.
- This product is designed for outdoor use and is IP65 waterproof. However, avoid submerging it in water.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Solar Panel
- Spotlight(s) (Quantity as per package, e.g., 2 Pack)
- Mounting Screws
- Connecting Wires
- Ground Stakes for Solar Panel and Spotlight(s)

4. PRODUCT FEATURES

- **Separate Solar Panel:** High-efficiency poly-crystalline solar panel (up to 17% conversion rate) for flexible placement and maximum sun exposure.
- **2 Lighting Modes:** Choose between High Light and Low Light modes to suit your illumination needs.
- **Dusk-to-Dawn Functionality:** Built-in light sensor automatically turns the lights ON at dusk/darkness and OFF during daytime.
- **Long Illumination Time:** After 8-12 hours of charging, lights can provide continuous illumination for up to 8 hours (High Light) or 12 hours (Low Light).
- **Two Installation Options:** Can be installed as stake-to-ground or wall-mounted.
- **Adjustable Design:** Solar panel is 90° adjustable, and light heads are 180° adjustable for precise lighting direction.
- **Durable & Weatherproof:** IP65 waterproof rating, heat-resistant, and frost-resistant design ensures reliable performance in various weather conditions.
- **Versatile Application:** Ideal for illuminating walkways, driveways, lawns, pool areas, sidewalks, porches, patios, and for decorative lighting.

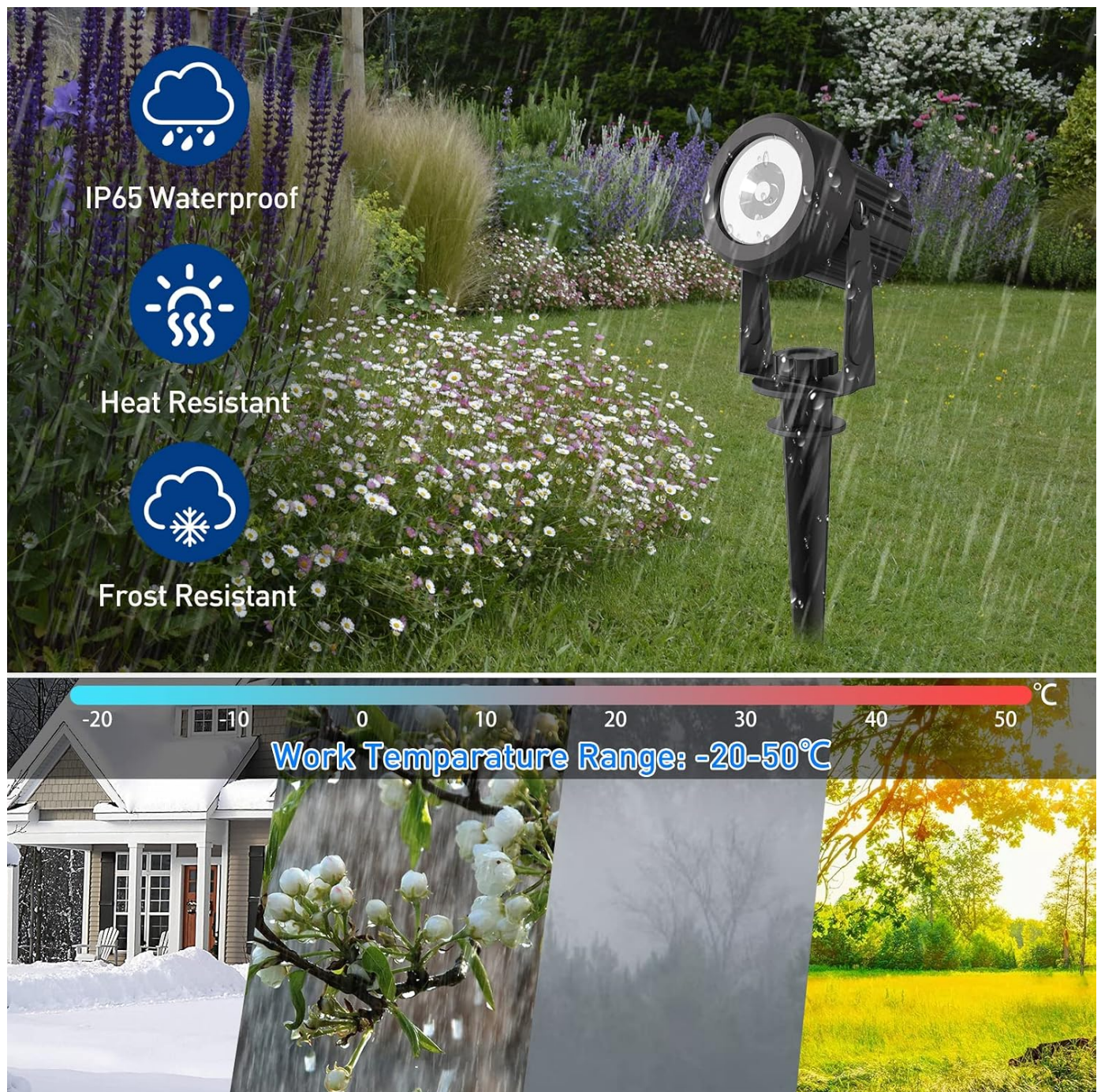


Image: The solar spot light is shown in a garden, highlighting its robust IP65 waterproof, heat-resistant, and frost-resistant construction, suitable for a wide operating temperature range.

5. SETUP

1. **Unpack:** Carefully remove all components from the packaging.
2. **Connect:** Connect the spotlight(s) to the solar panel using the provided connecting wires. Ensure the connection is secure and watertight by screwing on the protective cover.
3. **Initial Charge:** Before first use, place the solar panel in direct sunlight for at least 8-12 hours to allow the battery to fully charge.
4. **Activate:** Locate the power button on the back of the solar panel. Press and hold the switch for 3 seconds to activate the lights.



Rotate the solar panel



90°adjustable solar panel



270°adjustable light heads



stick the extension cord

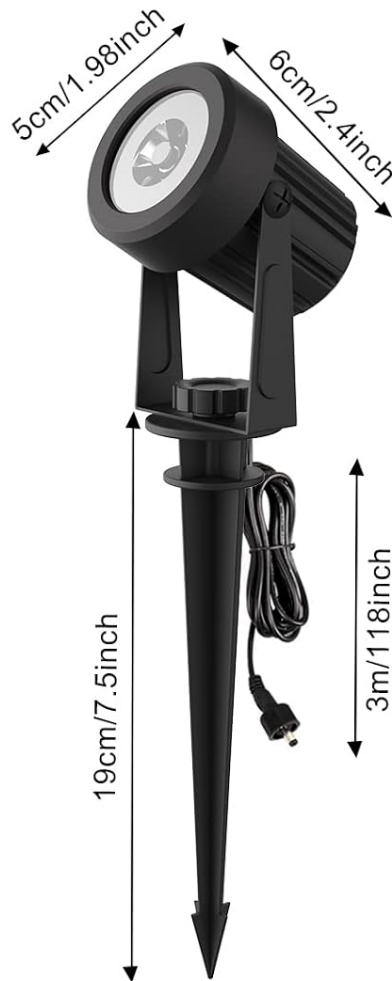


Image: Detailed view of product dimensions, showing the 90° adjustable solar panel, 270° adjustable light heads, and the waterproof connection point for the extension cord.

6. INSTALLATION

The T-SUNUS Solar Garden Spot Lights offer two convenient installation methods:

Option 1: In-Ground Installation

1. Attach the ground stake to the bottom of the solar panel and each spotlight.
2. Select a location for the solar panel that receives maximum direct sunlight throughout the day.
3. Insert the ground stakes firmly into the soil where you want to place the solar panel and spotlights.
4. Adjust the angle of the solar panel (up to 90°) to face the sun for optimal charging.
5. Adjust the angle of the spotlight heads (up to 180°) to illuminate your desired area.

Option 2: Wall-Mounted Installation

1. Remove the ground stakes if they are attached.
2. Use the provided mounting screws to fix the solar panel and spotlights to a wall or other flat surface.
3. Ensure the solar panel is mounted in a location that receives maximum direct sunlight.
4. Adjust the angle of the solar panel and spotlight heads as needed.

2 Installation Options



Image: The product is shown with two installation methods: securely mounted on a wall and staked into the ground along a pathway, illustrating versatility.

7. OPERATING INSTRUCTIONS

Your T-SUNUS Solar Garden Spot Lights are designed for simple, automatic operation.

1. **Power On:** Ensure the main power switch on the back of the solar panel is in the 'ON' position. Press and hold the switch for 3 seconds to activate.

2. **Automatic Operation:** The built-in light sensor will automatically turn the lights on at dusk and off at dawn.
3. **Select Lighting Mode:** Press the power button briefly to cycle through the two lighting modes:
 - **High Brightness:** Provides maximum illumination for approximately 6-8 hours after a full charge.
 - **Low Brightness:** Provides softer illumination for approximately 8-12 hours after a full charge.
4. **Turn Off:** Continue pressing the power button until the lights turn off, or hold the button for 3 seconds.

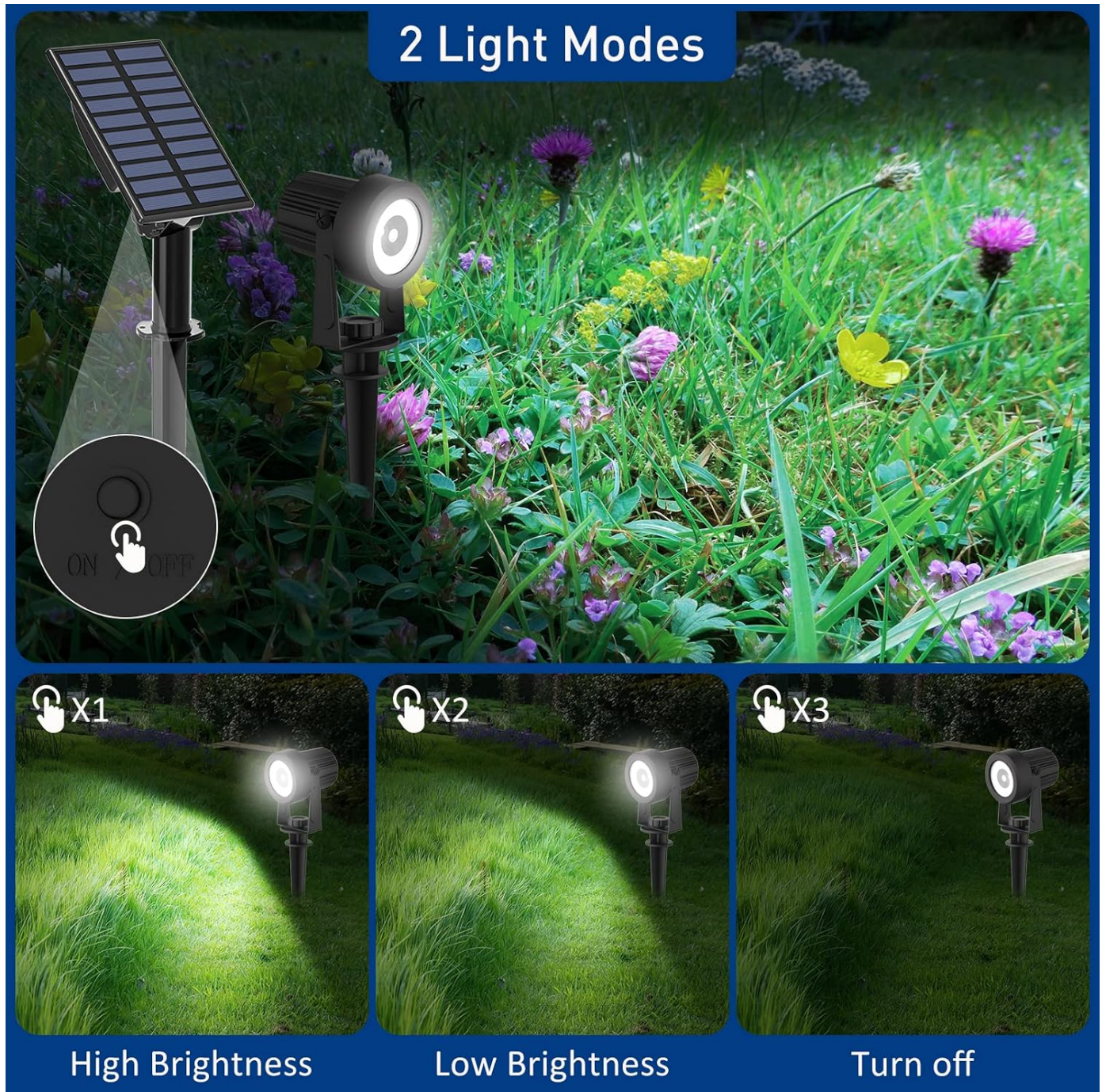


Image: The solar spot lights demonstrate their two brightness settings (High and Low) and the option to turn them off, providing flexibility for different lighting needs.



Image: The solar panel is depicted absorbing sunlight for charging during the day, and the spot lights are shown automatically illuminating the garden at night, highlighting the dusk-to-dawn feature.

8. MAINTENANCE

- **Clean Solar Panel:** Regularly 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.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are shading the solar panel, especially during peak sunlight hours.
- **Inspect Connections:** Periodically check the connecting wires and waterproof covers to ensure they are secure and free from damage.
- **Battery Replacement:** While designed for longevity, if the lights' performance significantly diminishes over time, the internal battery may need replacement. Refer to the product specifications for battery type and consult a professional if unsure.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on at night.	1. Solar panel not receiving enough sunlight. 2. Power switch is OFF. 3. Solar panel is under other light sources at night.	1. Relocate solar panel to an area with direct sunlight. 2. Ensure the power switch is in the 'ON' position. 3. Move solar panel away from other light sources.
Lights stay on during the day.	Light sensor is obstructed or faulty.	Clean the light sensor on the solar panel. If problem persists, contact support.
Short illumination time.	1. Insufficient charging. 2. Battery capacity reduced over time.	1. Ensure solar panel receives 8-12 hours of direct sunlight. 2. Consider replacing the battery if it's old.

10. SPECIFICATIONS

Feature	Detail
Brand	T-SUNUS
Model Numbers	TS-S5306-7C-SZ, TS-S4501-2H-RGB
Color	White (6000K)
Material	Acrylonitrile Butadiene Styrene (ABS)
Light Source	LED
Number of Light Sources	1 per spotlight
Wattage	2 watts
Brightness	200 lumen
Voltage	3.7 Volts
Solar Panel Efficiency	17%
Cable Length	9.8 ft (3 meters) between solar panel and light
Water Resistance Level	IP65
Mounting Type	Wall Mount, Ground Stake
Control Method	Push Button (on solar panel)
Required Assembly	Yes

11. WARRANTY AND SUPPORT

T-SUNUS products are designed for quality and durability. For warranty information, technical support, or any questions regarding your Solar Garden Spot Lights, please contact T-SUNUS customer service. You can find contact details and

more information by visiting the official T-SUNUS Store on Amazon: [T-SUNUS Store](#).

Please have your product model number (TS-S5306-7C-SZ or TS-S4501-2H-RGB) and purchase date ready when contacting support.

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