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› T-SUN Solar Pond Lights TS-S5406 Warm White 3-IN-1 User Manual

T-SUN TS-S5406

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Model: TS-S5406

INTRODUCTION

This manual provides instructions for the T-SUN Solar Pond Lights, Model TS-S5406, Warm White 3-IN-1. These lights are designed for outdoor use in ponds, fountains, gardens, and aquascapes, offering an energy-efficient lighting solution.

PRODUCT OVERVIEW

Key Features:

- **Solar Powered:** Automatically charges during the day and illuminates at night, requiring no external wiring or electricity.
- **3-in-1 LED Design:** Features three warm white LED light heads for uniform illumination.
- **Two Lighting Modes:** Offers high and low light modes for adjustable brightness.
- **IP68 Waterproof:** Fully submersible and resistant to water, snow, and outdoor elements.
- **Versatile Application:** Suitable for ponds, fountains, gardens, and aquascapes.

Components:

The package includes the solar panel, three LED light heads, and mounting accessories (stake or clip).



Image: Diagram illustrating the solar panel, three LED lights, and their connecting cables with dimensions. The solar panel is connected to the lights, which are spaced 47.2 inches apart. The cable from the solar panel to the first light is 118 inches. Each light head measures approximately 2.16 inches in width and 2.48 inches in height, with a 90-degree adjustable angle.

SETUP AND INSTALLATION

The T-SUN Solar Pond Lights are designed for easy installation without the need for special tools or wiring.

- Solar Panel Placement:** Choose a location for the solar panel that receives direct sunlight for at least 6-8 hours daily. This ensures optimal charging. The solar panel can be mounted using the provided stake into the ground or a clip for other surfaces.
- Light Head Positioning:** Position the three LED light heads in your desired location within the pond, fountain, or garden. The lights are submersible (IP68 rated) and can be placed underwater or on land. Adjust the angle of each light head to direct illumination as needed.
- Connection:** Ensure all light heads are securely connected to the main cable leading to the solar panel.



Image: Depicts two installation methods: one showing lights illuminating a garden path, and another showing lights submerged in a pond, highlighting the versatility of placement.

OPERATING INSTRUCTIONS

The T-SUN Solar Pond Lights operate automatically once properly installed and charged.

1. **Initial Activation:** Locate the ON/OFF switch on the solar panel unit. Press the button to turn the lights ON. The lights will then automatically charge during the day and illuminate at night.
2. **Automatic Operation:** The solar panel is equipped with a light sensor. During daylight hours, the lights will remain off while the battery charges. At dusk, the lights will automatically turn on.
3. **Changing Light Modes:** The lights feature two modes: High and Low. To switch between these modes, press the button on the solar panel unit. Select the desired brightness level for your application.



Image: Illustrates the solar panel charging under sunlight during the day and the lights automatically illuminating a pool area at night.



Image: Shows the solar panel with an ON/OFF button and two underwater lights demonstrating "High Lighting Mode" and "Low Lighting Mode" with different brightness levels.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your T-SUN Solar Pond Lights.

- **Solar Panel Cleaning:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures efficient charging.
- **Light Head Inspection:** Check the light heads for any debris or algae buildup, especially if submerged. Gently clean them to maintain light output.
- **Cable Integrity:** Inspect the connecting cables for any signs of damage or wear. Ensure connections remain secure.
- **Battery Care:** While the battery is integrated, ensuring the solar panel receives adequate sunlight is crucial for battery health. During prolonged periods of cloudy weather, light duration may be reduced.



Image: Shows a single light head submerged in an aquarium with fish, demonstrating its IP68 waterproof rating and suitability for underwater use.

TROUBLESHOOTING

If your T-SUN Solar Pond Lights are not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Lights do not turn on at night.	Solar panel not receiving enough direct sunlight. ON/OFF switch is in the OFF position. Battery charge is low. Light sensor is obstructed or detecting ambient light.	Relocate the solar panel to an area with maximum direct sunlight. Ensure the ON/OFF switch on the solar panel is set to ON. Allow the solar panel to charge for 1-2 full sunny days. Ensure the light sensor on the solar panel is clean and not near other light sources at night.
Lights are dim or have short illumination time.	Insufficient solar panel charging. Dirty solar panel surface. Battery degradation over time.	Ensure the solar panel receives full, direct sunlight. Clean the solar panel surface regularly. While batteries are not user-replaceable, ensuring optimal charging conditions can extend their lifespan.
One or more lights are not working.	Loose connection to the solar panel or between lights. Damage to the light head or cable.	Check all cable connections to ensure they are secure. Inspect the light head and cable for visible damage. If damaged, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	T-SUN
Model Number	TS-S5406
Color	Warm White
Material	Plastic
Power Source	Solar Powered
Light Source	LED
Number of Light Sources	3
Light Color	Warm White
Color Temperature	3000 Kelvin
Water Resistance Level	IP68 Waterproof
Indoor/Outdoor Usage	Outdoor
Item Dimensions (L x W x H)	8.6"L x 7"W x 3.94"H
Item Weight	0.79 Kilograms
Included Components	Mounting Stake or Clip

WARRANTY INFORMATION

The T-SUN Solar Pond Lights (Model TS-S5406) come with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the documentation included with your product or contact T-SUN customer support.

CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your T-SUN Solar Pond Lights, please visit the official T-SUN store or contact their customer service.

T-SUN Official Store: [Visit T-SUN Store on Amazon](#)

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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.

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