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> Brightech Ambience Pro Solar 48Ft Outdoor String Lights & Replacement Solar Panel User Manual

## Brightech Ambience Pro Solar 48Ft String Lights

# Brightech Ambience Pro Solar 48Ft Outdoor String Lights & Replacement Solar Panel User Manual

Model: Ambience Pro Solar 48Ft String Lights

## INTRODUCTION

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Thank you for choosing the Brightech Ambience Pro Solar 48Ft Outdoor String Lights. This product provides an energy-efficient and durable lighting solution for your outdoor spaces, powered entirely by solar energy. This manual provides essential information for the safe and effective setup, operation, and maintenance of your string lights and replacement solar panel.

## SAFETY INFORMATION

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- Read all instructions carefully before installation and use.
- Do not attempt to modify or disassemble the product. This may void the warranty and create safety hazards.
- Ensure the solar panel is placed in an area that receives direct sunlight for optimal charging.
- Keep the solar panel and bulbs clean to maintain efficiency.
- The bulbs are shatterproof plastic; however, handle them with care during installation.
- Do not immerse the solar panel or string lights in water. While water-resistant, they are not designed for submersion.
- Keep out of reach of children.

## PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Brightech Ambience Pro Solar 48Ft Powered Outdoor String Lights (with integrated solar panel)
- One Extra Brightech Ambience Pro Replacement Solar Panel
- Ground Stake for solar panel installation
- Mounting Clip for solar panel installation

## SETUP

### 1. Solar Panel Placement

The solar panel is crucial for charging the lights. Choose a location that receives at least 6-8 hours of direct sunlight daily. Avoid shaded areas from trees, buildings, or other obstructions.



**Figure 1: Solar Panel Installation Options.** The solar panel can be installed using the included in-ground stake or the simple clip. The image shows the solar panel mounted on a stake in the grass and clipped to a wooden railing, highlighting its versatility.

- 1. Using the Ground Stake:** Attach the solar panel to the ground stake. Insert the stake firmly into soft ground in your chosen sunny location.
- 2. Using the Mounting Clip:** Attach the solar panel to the mounting clip. Secure the clip to a stable surface such as a fence, railing, or gutter that receives ample sunlight.

### 2. Connecting the String Lights

Once the solar panel is securely placed, uncoil the string lights. The string lights connect directly to the solar panel via a

waterproof connector. Ensure the connection is tight to prevent moisture ingress.




**Figure 2: String Lights and Solar Panel.** This image displays the string lights with three illuminated LED bulbs and the solar panel positioned in the lower left, illustrating the complete setup.

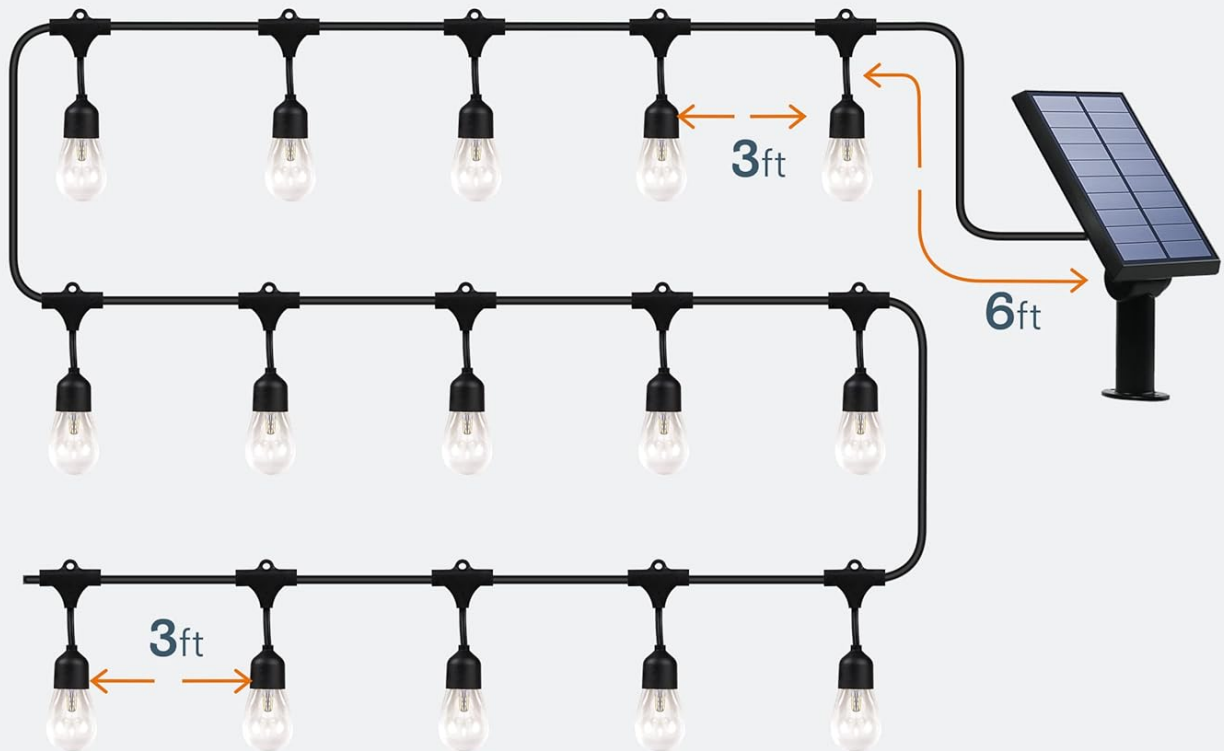
Drape the string lights along your desired path, such as a patio, pergola, or balcony. The 48-foot length provides ample coverage. The bulbs are spaced approximately 3 feet apart.

# Lengthy Strand Perfect for Outdoor Use

 15bulbs  
1W LED

 48ft  
String Length

 6ft Cord Extension  
Sold Separately



**Figure 3: String Light Layout Diagram.** A visual representation of the 48-foot string with 15 bulbs, indicating the 3-foot spacing between bulbs and the 6-foot cord extension from the solar panel.

## 3. Initial Charging

Before first use, allow the solar panel to charge for a full 24 hours in direct sunlight with the lights turned OFF. This ensures the internal battery is fully charged for optimal performance.

## OPERATING INSTRUCTIONS

The Brightech Ambience Pro Solar String Lights are designed for automatic operation. There is an ON/OFF switch located on the back of the solar panel. Ensure this switch is in the 'ON' position for the lights to function.

- **Automatic Operation:** The lights will automatically turn on at dusk and turn off at dawn, provided the solar panel has received sufficient sunlight during the day.
- **Manual Override:** Use the ON/OFF switch on the solar panel to manually turn the lights off if desired.
- **Charging:** The solar panel charges the internal battery during daylight hours. The lights will not illuminate during charging.



**Figure 4: User Interaction and Product Benefits.** This image shows a person handling an illuminated bulb, emphasizing that the LED bulbs are safe to touch due to low heat, the system is outlet-free, and environmentally friendly.

## MAINTENANCE

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### 1. Cleaning the Solar Panel

Periodically wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures maximum charging efficiency.

### 2. Bulb Care

The S14 bulbs are made of shatterproof plastic and are designed for durability. They are LED, meaning they have a long lifespan and are low-heat. If a bulb needs replacement, ensure it is compatible with 1W LED corn type bulbs.

### 3. Weather Resistance

The Ambience Pro string lights feature WeatherTite technology, designed to withstand various outdoor conditions.



**SHATTERPROOF**  
Plastic Bulbs



**WINDPROOF**  
50MPH



**WATERPROOF**  
IP55



**TEMPERATURE RESISTANCE**  
-4°F TO 122°F



**Figure 5: WeatherTite Technology.** This graphic details the robust features of the string lights, including shatterproof plastic bulbs, wind resistance up to 50 MPH, IP55 waterproof rating, and temperature resistance from -4°F to 122°F, along with ETL US certification.

- **Shatterproof:** The bulbs are made of durable plastic, reducing the risk of breakage.
- **Windproof:** Designed to withstand winds up to 50 MPH.
- **Waterproof:** Rated IP55, providing protection against dust and low-pressure water jets.
- **Temperature Resistance:** Operates effectively in temperatures ranging from -4°F to 122°F.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on at night.	Solar panel not receiving enough sunlight.	Relocate the solar panel to an area with 6-8 hours of direct sunlight daily.

Problem	Possible Cause	Solution
	ON/OFF switch is in the 'OFF' position.	Ensure the switch on the back of the solar panel is set to 'ON'.
	Solar panel is dirty.	Clean the solar panel surface with a soft, damp cloth.
Lights are dim or only stay on for a short time.	Insufficient charging due to poor sunlight or dirty panel.	Follow solutions for 'Lights do not turn on at night'. Allow for a full day of charging.
	Battery capacity reduced over time.	The included extra solar panel can be used as a replacement if the original battery performance degrades.
Individual bulb not working.	Damaged or faulty bulb.	Inspect the bulb for visible damage. Replace with a compatible 1W LED corn type bulb if necessary.

## SPECIFICATIONS

Feature	Detail
Brand	Brightech
Model	Ambience Pro Solar 48Ft String Lights
Light Source	LED
Number of Light Sources	50 (for 48Ft string)
Wattage	1 watt per bulb
Power Source	Solar Powered
Material	Plastic (bulbs and housing)
Indoor/Outdoor Usage	Outdoor (also suitable for indoor decorative use)
Water Resistance Level	Water Resistant (IP55)
Special Features	Shatterproof, Windproof (up to 50MPH), Temperature Resistant (-4°F to 122°F)
Included Components	String Lights, 2 Solar Panels, Ground Stake, Mounting Clip

## WARRANTY

Brightech offers an industry-leading **2-year limited warranty** on all solar purchases from Brightech USA. This warranty covers any defects, malfunctions, or sudden failures of your string lights. If you experience any issues with this product, please refer to the support section for assistance.

## SUPPORT

For technical assistance, warranty claims, or any questions regarding your Brightech Ambience Pro Solar String Lights, please contact Brightech customer support. Refer to the contact information provided with your purchase or visit the official Brightech

website for the most up-to-date support details.

When contacting support, please have your product model number (Ambience Pro Solar 48Ft String Lights) and purchase information readily available.

