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btfarm GS16

btfarm Solar Lights Outdoor Waterproof IP65 LED Color Changing Spot Light User Manual

Model: GS16

INTRODUCTION

Thank you for choosing btfarm Solar Lights. These IP65 waterproof LED spotlights are designed to illuminate and enhance your outdoor spaces with vibrant color-changing options. Powered by solar energy, they offer an eco-friendly and convenient lighting solution for gardens, pathways, trees, and more. Please read this manual carefully before installation and use to ensure optimal performance and longevity of your product.

SAFETY INFORMATION

- Ensure the product is installed in a location that receives direct sunlight for maximum charging efficiency.
- Avoid placing the lights near other strong light sources at night, as this may prevent the solar lights from activating automatically.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose a safety risk.
- Keep out of reach of children.
- The product is IP65 waterproof, suitable for outdoor use in various weather conditions, but avoid submerging it in water.

PACKAGE CONTENTS

Verify that all components are present in your package:

- 8 × Solar Landscape Spotlights
- 8 × Ground Spikes
- 16 × Screws

- 1 x Instruction Manual

SETUP

1. Initial Charging

Before first use, ensure the solar lights are fully charged. Place the lights in direct sunlight for 6-8 hours. It is recommended to charge them for a full day before initial deployment to ensure optimal battery performance.

2. Mounting Options

Your btfarm Solar Lights offer two versatile mounting options:



Ground Insert: Attach the ground spike to the light unit. Push the assembled light firmly into soft ground in your desired location. Ensure the solar panel faces upwards towards the sun.



Ground Insert



Wall Mount

Wall Mount: Use the provided screws to secure the light unit to a wall or fence. Ensure the solar panel is positioned to receive maximum direct sunlight.

3. Adjusting Solar Panel and Light Head

IP65 Waterproof

140
120
100
80
60
40
20
0
-4

Heat Resistant

Frost Resistant

Working Temperature Range: -4°F~140°F

The image shows a solar light fixture with a rainbow-colored glow. To the right is a temperature scale from -4 to 140 degrees Fahrenheit. Two inset images show the light in a hot environment (Heat Resistant) and a cold, snowy environment (Frost Resistant).

The solar panel can be adjusted up to 180 degrees to capture optimal sunlight throughout the day. The light head can be adjusted up to 90 degrees to direct illumination precisely where needed.

OPERATING INSTRUCTIONS

1. Power ON/OFF and Mode Selection

Automatic Turn On/Off



6-8H fully charging
Auto charging in the daytime

8-12H working time
Auto lighting in the dark

Locate the 'ON/OFF' button on the back of the light unit. Press the button to cycle through the available lighting modes:

- **Fixed Color Modes:** Press the button repeatedly to select from 6 fixed colors: Red, Blue, Green, Purple, Cyan, and Yellow.
- **Automatic Color Cycling Mode:** After cycling through the fixed colors, the next press will activate the automatic color cycling mode, which transitions between all 7 colors.
- **OFF:** Continue pressing the button until the light turns off.

2. Automatic Operation

More Effectively Absorbs Sunlight from All Directions

Btfarm



- ✓ 180° adjustable panel for get max solar energy
- ✓ Larger solar panels for faster charging
- ✓ Individually adjustable panel and lamp head

Other



- ✗ Fixed angle panel, hard to get all sunlight
- ✗ Small solar panel, hard to fully charge
- ✗ Cannot separately adjust panel and head

Once a lighting mode is selected and the unit is charged, the btfarm Solar Lights will automatically turn on at dusk and turn off at dawn. They will recharge during the day (6-8 hours for full charge) and provide illumination for 8-12 hours at night, depending on the charge received and the selected brightness/color mode.

MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures efficient charging.
- **Placement:** Periodically check that the solar panel is free from obstructions (e.g., leaves, snow, shade from new growth) that might block sunlight.
- **Battery:** The integrated battery is designed for long-term use. If the light duration significantly decreases over time, ensure the solar panel is clean and receiving adequate sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight for charging. Light switch is OFF. Nearby light source interfering.	Ensure solar panel receives 6-8 hours of direct sunlight. Press the ON/OFF button to activate. Relocate the light away from other bright lights.
Light duration is short.	Insufficient charging due to cloudy weather or panel obstruction.	Clean the solar panel. Ensure optimal sun exposure. Allow for several sunny days to fully recharge.
Light is dim.	Battery not fully charged.	Follow steps for 'Light duration is short'.

SPECIFICATIONS



IP65 Waterproof





Heat Resistant



Frost Resistant

Working Temperature Range: -4°F~140°F

Detailed dimensions of the btfarm Solar Light unit.

Feature	Detail
Brand	btfarm
Model Number	GS16
Light Source Type	LED
Light Color	Multicolored (Red, Blue, Green, Purple, Cyan, Yellow, RGB cycle)

Feature	Detail
Brightness	Up to 1000 Lumens
Power Source	Solar Powered
Solar Panel Conversion Rate	Up to 25%
Battery Capacity	1500 mAh
Charging Time	6-8 hours (full sunlight)
Working Time	8-12 hours (after full charge)
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene, Plastic
Product Dimensions	2.79"L x 12.6"W x 3"H
Special Features	Anti-Rust, Color Changing, Energy Efficient, Portable, Waterproof
Mounting Type	In-Ground Mount & Wall Mount

WARRANTY

The btfarm Solar Lights come with a **Lifetime Warranty**. For any warranty claims or issues, please refer to the support information below.

SUPPORT

For further assistance, technical support, or warranty inquiries, please contact btfarm customer service through the retailer where the product was purchased or visit the official btfarm store online.

[Visit the btfarm Store](#)