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› GIGALUMI Solar Wall Lights (Model 9458) Instruction Manual

## GIGALUMI 9458

# GIGALUMI Solar Wall Lights (Model 9458) Instruction Manual

Your guide to installation, operation, and maintenance.

## 1. INTRODUCTION

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Thank you for choosing GIGALUMI Solar Wall Lights. These outdoor lights are designed to provide efficient and convenient illumination for your patio, garage, shed, or other outdoor areas. Featuring a solar-powered design, motion sensing capabilities, and multiple operating modes, these lights offer a practical and energy-saving lighting solution.



Image 1.1: GIGALUMI Solar Wall Lights providing illumination on a house exterior.

## 2. PRODUCT FEATURES

- **3-in-1 Smart Modes:** Adaptable lighting for various needs.
- **Built for All Weather:** IP44 waterproof design ensures durability against rain, snow, and dust.
- **Solar Charging:** Utilizes direct sunlight for automatic illumination, providing 6-12 hours of light after 5-8 hours of charging.
- **Motion Sensor:** Integrated motion sensor for enhanced security and energy efficiency.

## 3. SETUP AND INSTALLATION

The GIGALUMI Solar Wall Lights are designed for easy self-installation. No complex wiring is required.

### 3.1 Package Contents

- GIGALUMI Solar Wall Lights (4 units)
- Mounting Screws (2 per light)
- Expansion Tubes (2 per light)

### 3.2 Installation Steps

1. **Choose Location:** Select an outdoor location that receives 5-8 hours of direct sunlight daily to ensure optimal charging. Avoid areas with significant ambient light at night, as this may interfere with the light sensor.
2. **Mark Drilling Points:** Hold the light against the desired mounting surface and mark the positions for the two mounting screws.
3. **Drill Holes:** Drill holes at the marked positions. Insert the expansion tubes into the drilled holes.
4. **Mount the Light:** Align the light with the holes and secure it using the provided mounting screws.



Image 3.1: Product dimensions and included mounting hardware.

## 4. OPERATING INSTRUCTIONS

The GIGALUMI Solar Wall Lights feature a power switch and a mode selection button, typically located near the solar panel.

### 4.1 Power On/Off and Mode Selection

1. **Power On:** Before initial use, ensure the power switch is in the 'ON' position.

2. **Mode Cycling:** Press the mode selection button to cycle through the three available lighting modes.

#### 4.2 Lighting Modes

- **Mode 1 (Sensor Mode):** The light remains off until motion is detected. Upon detection, it illuminates with strong light for approximately 15 seconds, then turns off.
- **Mode 2 (Low Brightness & Sensor Mode):** The light maintains a continuous low brightness. Upon motion detection, it switches to strong light for approximately 15 seconds, then returns to low brightness.
- **Mode 3 (Low Brightness Mode):** The light provides continuous low brightness throughout the night, activating at dusk and turning off at dawn.

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Video 4.1: Demonstration of GIGALUMI Solar Wall Lights features and mode selection.



Image 4.2: Visual representation of the 3-in-1 smart modes.

## 5. CHARGING GUIDELINES

For optimal performance, ensure the solar panel receives sufficient direct sunlight.

- **Initial Charge:** Before first use, place the solar light in direct sunlight for 5-8 hours.
- **Daily Charging:** The solar panel requires 5-8 hours of direct, unobstructed sunlight exposure daily to achieve 6-12 hours of illumination at night.
- **Obstruction-Free:** Ensure no shadows or obstructions cover the solar panel during the day.

## 🔌 PRESS THE BUTTON TO SWITCH MODES

**Sensor Mode** Off → Turn on the strong light



**Low brightness & Sensor Mode** Low light → Turn on the strong light



**Low brightness Mode** Low light all night



Image 5.1: Solar charging process and illumination duration.

## 6. MAINTENANCE

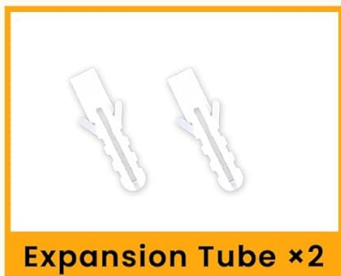
To ensure the longevity and optimal performance of your GIGALUMI Solar Wall Lights, follow these simple maintenance tips:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may hinder charging efficiency.
- **Clear Obstructions:** Periodically check that no new obstructions (e.g., growing foliage) are blocking sunlight from reaching the solar panel.
- **Weather Resistance:** The IP44 rating protects against splashes of water and dust. While durable, avoid submerging the unit in water or exposing it to extreme pressure washing.

# DIMENSIONS



**Mounting Screws ×2**



**Expansion Tube ×2**



Image 6.1: The light's weather-resistant design.

## 7. TROUBLESHOOTING

If your solar wall light is not functioning as expected, consider the following common issues and solutions:

- **Light Not Turning On at Night:**

- Ensure the power switch is in the 'ON' position.
- Verify the solar panel receives adequate direct sunlight (5-8 hours) during the day.
- Check for any ambient light sources (streetlights, other outdoor lights) near the solar light, as these can prevent it from activating.

- **Short Illumination Time:**

- Insufficient charging due to cloudy weather or inadequate direct sunlight. Relocate the light if possible.
- The battery may not be fully charged. Allow several days of full sunlight charging.

- **Motion Sensor Not Responding:**

- Ensure the light is set to Mode 1 or Mode 2.

- Clean the motion sensor lens to remove any dirt or obstructions.

## 8. SPECIFICATIONS

Feature	Detail
Brand	GIGALUMI
Model Number	9458
Color	BLACK Shell
Material	Acrylonitrile Butadiene Styrene
Style	Motion Sensor
Product Dimensions	4.8"L x 2.4"W x 6.8"H
Power Source	Solar Powered
Installation Type	Self Install
Special Feature	Motion Sensor
Light Source Type	LED
Light Color	Warm White
Number of Items	4
Battery Cell Type	Lithium Ion (1 AA battery included)
Water Resistance Level	Water Resistant (IP44)
Brightness	5 Lumen
Mounting Type	Wall Mount
Included Components	Mounting Hardware

## 9. WARRANTY AND SUPPORT

GIGALUMI Solar Wall Lights come with a 6-month limited warranty. For warranty claims or technical support, please refer to the contact information provided with your purchase or visit the official GIGALUMI website.