

## InnoGear SL229

# InnoGear Solar Gutter Lights Instruction Manual

Model: SL229 | Brand: InnoGear

### INTRODUCTION

Thank you for purchasing the InnoGear Solar Gutter Lights. This product is designed to provide efficient and reliable outdoor lighting using solar power, featuring motion sensing capabilities and multiple lighting modes. Please read this manual carefully before installation and use to ensure optimal performance and longevity of your lights.

### SAFETY INFORMATION

- Ensure the solar panel receives direct sunlight for maximum charging efficiency.
- Do not disassemble or modify the product. This may cause damage and void the warranty.
- Keep the product away from fire and extreme heat sources.
- Handle with care during installation to avoid injury.
- Dispose of batteries according to local regulations.

### PACKAGE CONTENTS

Your InnoGear Solar Gutter Lights package includes the following items:

- 2 x Solar Sconce Lights
- Mounting Accessories (screws, wall plugs, mounting pole)
- User Manual

# Hassle-Free Operation

Easily mount on the wall to illuminate any space

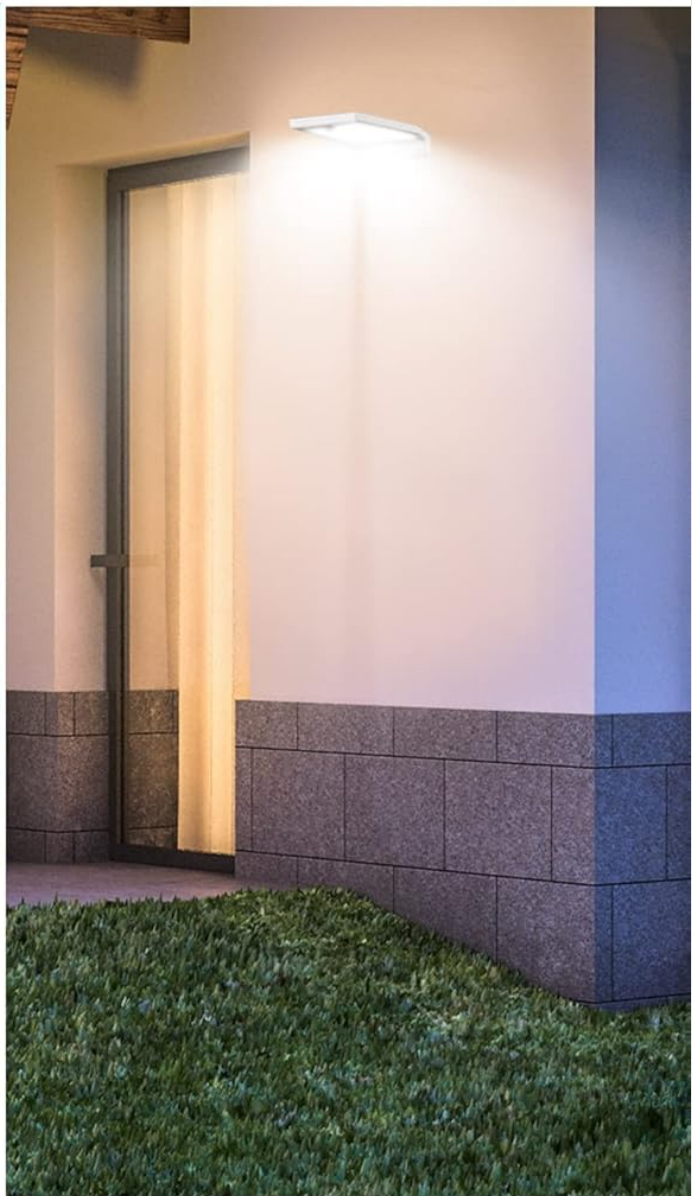


Image: Contents of the InnoGear Solar Gutter Lights package, showing the two light units, a detachable mounting pole, and hardware for installation.

## PRODUCT FEATURES

- **4 Optional Working Modes:** Includes 1/4 Brightness, 1/2 Brightness, Dim Light + Motion Sensor Full Brightness, and Off + Motion Sensor Full Brightness.

- **Super Bright & Long Lasting:** Equipped with 29 high-quality LED chips, providing up to 400 lumens of brightness. Designed to work for at least 8 hours on a full charge.
- **Upgraded Solar Panel:** Large 4.3"x5.7" monocrystalline silicon solar panel with a 17% photoelectric conversion rate for faster charging.
- **Two Easy Installation Ways:** Can be used with a pole for extended reach or mounted directly as a wall/fence light. No wiring required.
- **Durability & Quality:** IP65 waterproof rating, frost-resistant, and heat-resistant, suitable for all-season outdoor use. Certified by FCC, CE, and MSDS.



## Super Bright 29 LED Lamp

Provides all night of security lighting



SMD LED



Long Lasting (8h)



400 Lumens

Image: The InnoGear Solar Gutter Lights installed on a house, demonstrating their bright illumination for security lighting.

# 1.5W High Efficiency Solar Panel

Higher charging efficiency and conversion rate



Faster charging time



Monocrystalline Silicon:  
17% conversion rate

Image: A visual representation of the 1.5W high-efficiency solar panel, illustrating how it captures sunlight for charging the light.

## SETUP AND INSTALLATION

The InnoGear Solar Gutter Lights offer flexible installation options. Choose the method that best suits your needs.

### Method 1: With Mounting Pole (for extended reach)

1. Assemble the mounting pole to the back of the light unit.
2. Attach the base of the pole to your desired location (e.g., gutter, eave) using the provided screws and wall plugs. Ensure the solar panel faces direct sunlight.
3. Adjust the angle of the light to illuminate the desired area.

### Method 2: Without Mounting Pole (as a wall or fence light)

1. Directly mount the light unit to a wall, fence, or other flat surface using the provided screws and wall plugs.
2. Ensure the solar panel is positioned to receive maximum direct sunlight throughout the day.

No electrical wiring is required for either installation method.



Image: Two InnoGear Solar Gutter Lights shown with their mounting poles, illustrating the product's design for easy installation.

## OPERATING INSTRUCTIONS

The InnoGear Solar Gutter Light features a mode button to cycle through its four lighting modes. Press the button repeatedly to select your preferred mode.

### Mode 1: 1/4 Brightness Light

The light stays on at 1/4 brightness continuously from dusk till dawn.

**Mode 2: 1/2 Brightness Light**

The light stays on at 1/2 brightness continuously from dusk till dawn.

**Mode 3: Dim Light + Motion Sensor Full Brightness Light**

The light stays on at a dim brightness. When motion is detected within 16.4 feet, it switches to full brightness for a period, then returns to dim.

**Mode 4: Off + Motion Sensor Full Brightness Light**

The light remains off. When motion is detected within 16.4 feet, it switches to full brightness for a period, then turns off again.

# Motion Detection & 4 Lighting Modes

Fixed brightness mode/motion sensor mode

## MODE 1

Always on: 1/4 Brightness

## MODE 2

Always on: 1/2 Brightness

## MODE 3

No motion:  
Dim Light



Motion Detected:  
Full Brightness

## MODE 4

No motion:  
Light off



Motion Detected:  
Full Brightness

Image: A visual guide to the four operational modes, showing how the light behaves in different settings and with motion detection.

The intelligent motion sensor can detect movement up to 16.4 feet (5 meters).

## MAINTENANCE

To ensure your InnoGear Solar Gutter Lights continue to function optimally, follow these simple maintenance tips:

- **Clean the 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.
- **Check for Obstructions:** Ensure no trees, buildings, or other objects are blocking direct sunlight from reaching the solar panel, especially during peak charging hours.
- **Inspect Mounting:** Periodically check that the light is securely mounted and that all screws are tight.
- **Battery Longevity:** The integrated Lithium Ion battery is designed for long-term use. If the light's performance significantly degrades over time, it may indicate the battery is reaching the end of its lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel.
Light duration is short.	Partial charge or cloudy weather.	Relocate the light to an area with more direct sunlight. Allow several sunny days for a full charge.
Motion sensor not working.	Sensor obstructed or incorrect mode.	Ensure the sensor is clear of obstructions. Cycle through modes to confirm it's in a motion-sensing mode (Mode 3 or 4).
Light flickers or is dim.	Low battery charge.	Allow the light to charge fully in direct sunlight for 1-2 days.

SPECIFICATIONS

Feature	Detail
Brand	InnoGear
Model Number	SL229
Light Source	29 LED chips
Brightness	Up to 400 Lumens
Solar Panel	Monocrystalline Silicon, 4.3"L x 5.7"W
Photoelectric Conversion Rate	17%
Motion Sensor Distance	Up to 16.4 feet (5 meters)
Water Resistance	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	22.83"L x 4.33"W x 1.18"H
Item Weight	1.15 pounds
Battery	1 Lithium Ion battery (included)
Color Temperature	6500 Kelvin (White Light)

## WARRANTY AND SUPPORT

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InnoGear products are designed for durability and performance. For any questions, concerns, or warranty claims, please contact InnoGear customer support. Refer to the product packaging or the official InnoGear website for the most current contact information.

Additional protection plans may be available for purchase to extend coverage beyond the standard manufacturer's warranty. Please check with your retailer for details.

