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LIAMOS 616-4

LIAMOS Solar Lights Outdoor Instruction Manual

Model: 616-4 | Brand: LIAMOS

Introduction

Thank you for choosing the LIAMOS Solar Lights Outdoor. This manual provides detailed instructions for the installation, operation, and maintenance of your solar lights. Designed for outdoor use, these lights feature intelligent light control, multiple lighting modes, and a durable waterproof design, making them ideal for gardens, patios, and other outdoor spaces.

Product Features

- **Intelligent Light-Control:** Solar charging during the day, automatic illumination at night.
- **Three Light Modes:** Customizable lighting options to suit various needs and preferences.
- **Bright LED Lamp Beads:** Long-lasting and efficient LED light source providing wide illumination.
- **High Capacity Battery:** Ensures extended lighting duration throughout the night.
- **IPX65 Life Grade Waterproof:** Designed to withstand rain, lightning, and sun exposure for reliable outdoor performance.
- **Motion Sensor:** Enhances security and energy efficiency by activating bright light upon detecting movement.

Package Contents

The LIAMOS Solar Lights Outdoor (Model 616-4) package typically includes:

- 2 x LIAMOS Solar Street Lights (Model 616-4)
- 1 x Remote Control
- Mounting Screws and Wall Plugs
- User Manual (this document)


Sensor Receptor
ON OFF
OFF ON


ON
OFF
MODE
MODE
MODE
SOS
Remote Control

Image: Contents of the LIAMOS Solar Lights Outdoor package, showing two solar lights and a remote control.

Setup and Installation

1. **Choose an Optimal Location:** Select a location that receives direct sunlight for at least 6-8 hours daily to ensure maximum charging efficiency. Avoid areas under eaves, trees, or other obstructions that might block sunlight.
2. **Mounting the Light:**
    - Mark the desired drilling points on the wall or mounting surface using the light's mounting bracket as a template.
    - Drill holes at the marked positions.
    - Insert the wall plugs into the drilled holes.
    - Align the light's mounting bracket with the holes and secure it using the provided screws. Ensure the light is firmly attached.
3. **Initial Charge:** After installation, allow the solar light to charge in direct sunlight for a full day (6-8 hours) before its first use to ensure the battery is fully charged.



Image: Examples of LIAMOS Solar Lights installed on different outdoor surfaces, demonstrating suitable mounting locations.



Image: Illustration showing the solar panel charging in sunlight during the day and the light automatically turning on at night, with a 120-degree detection angle for motion.

Operating Instructions

The LIAMOS Solar Lights feature intelligent light control and three distinct operating modes, selectable via the included remote control or the button on the light itself.

Automatic Operation:

The solar light is designed to automatically charge during daylight hours and turn on at dusk. Ensure the "ON" switch is activated for automatic function.

Selecting Light Modes:

Use the remote control or press the mode button on the light to cycle through the following modes:

1. **Mode 1 (Motion Sensor - Highlight):** The light remains off until motion is detected. Upon detection, it illuminates at full brightness. After approximately 15-30 seconds of no motion, the light turns off.
2. **Mode 2 (Motion Sensor - Highlight then Dim):** The light remains dim until motion is detected. Upon detection, it

illuminates at full brightness. After approximately 15-30 seconds of no motion, the light returns to a dim state.

3. **Mode 3 (Constant Brightness Mode - Optically Controlled):** The light turns on at a constant medium brightness at dusk and remains on until dawn or until the battery is depleted. This mode is optically controlled, meaning it activates based on ambient light levels.

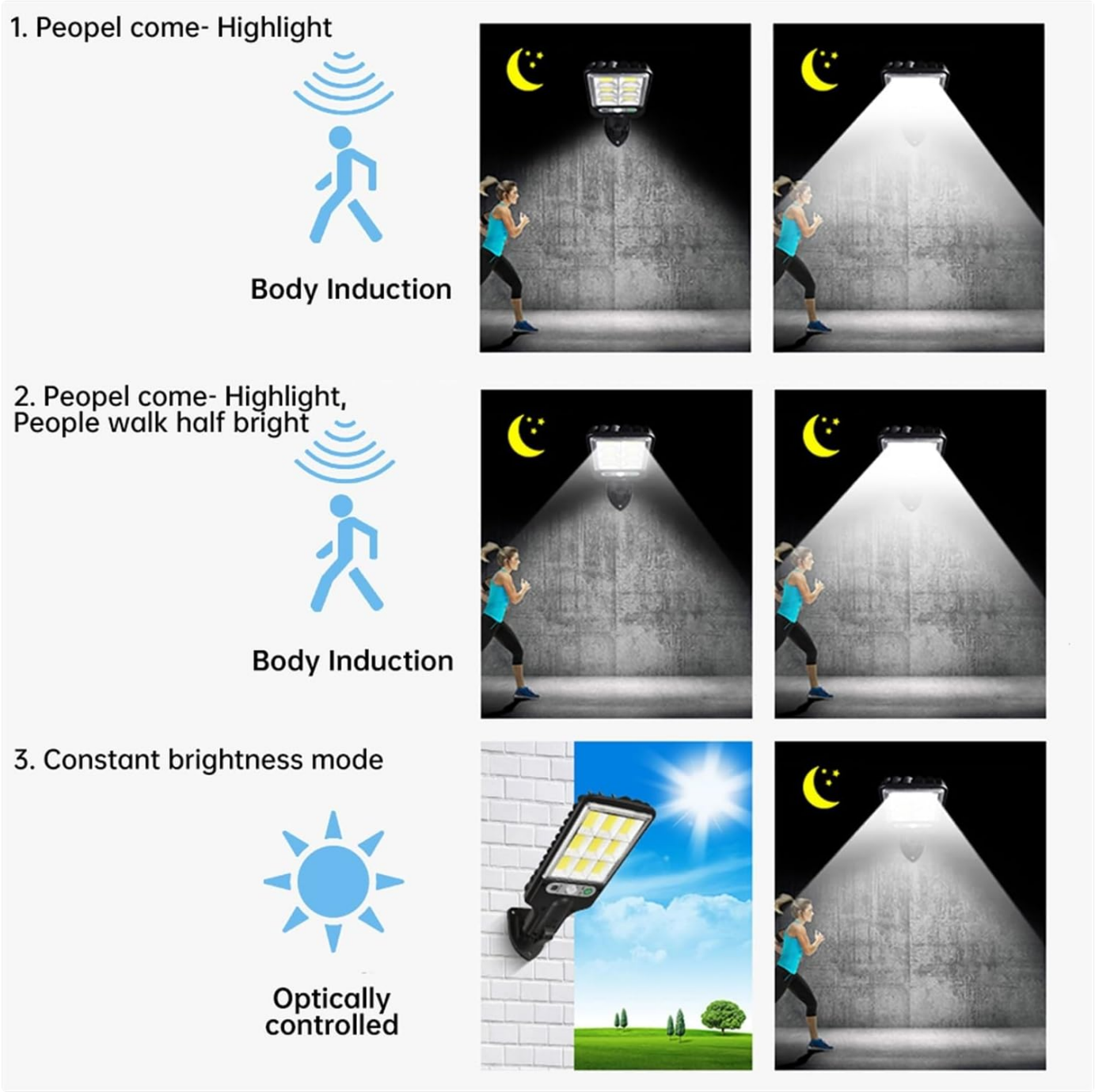


Image: Visual representation of the three distinct lighting modes, showing how the light reacts to motion and ambient light conditions.

Maintenance

Regular maintenance ensures optimal performance and longevity of your solar lights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient sunlight absorption and charging.
- **Clear Obstructions:** Ensure no new obstructions (e.g., growing branches, new structures) are blocking direct sunlight from reaching the solar panel.
- **Battery Care:** The integrated lithium battery is designed for long life. Avoid prolonged storage in a completely

discharged state. If storing the light for an extended period, ensure it is fully charged beforehand.

- **Weather Resistance:** The light is IPX65 waterproof. While designed for outdoor elements, avoid submerging it in water.



Image: Illustration highlighting the IPX65 waterproof rating, demonstrating the light's ability to withstand various weather conditions.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	◦ "ON" switch is off. ◦ Insufficient sunlight for charging. ◦ Solar panel is dirty. ◦ Battery is depleted or faulty.	◦ Ensure the "ON" switch is activated. ◦ Relocate the light to an area with more direct sunlight. ◦ Clean the solar panel. ◦ Allow several days of full charge. If problem persists, contact support.
Light duration is short.	◦ Insufficient charging. ◦ Weather conditions (cloudy days). ◦ Battery aging.	◦ Ensure optimal sunlight exposure. ◦ Performance may vary with weather. ◦ Consider replacing the unit if battery life significantly degrades over time.
Motion sensor not working.	◦ Light mode is not set to a motion-sensing mode. ◦ Sensor is obstructed or dirty. ◦ Sensor range issues.	◦ Switch to Mode 1 or Mode 2 using the remote or button. ◦ Clean the sensor lens. ◦ Ensure no objects are blocking the sensor's field of view.

Specifications

Model Number	616-4
Brand	LIAMOS
Power Source	Solar
Solar Cell Type	Lithium Battery
Voltage	3V
Waterproof Rating	IPX65 Life Grade Waterproof
Features	3 Light Modes, Motion Sensor, Intelligent Light-Control
Item Weight	50 Grams (per unit)
Assembly Required	No (Mounting required)

Warranty and Support

LIAMOS products are manufactured with quality and performance in mind. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims. For technical support, troubleshooting assistance, or inquiries regarding your LIAMOS Solar Lights Outdoor, please contact the retailer or

manufacturer directly through their official support channels.
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