

## Patriot Lighting ES00992G

# Patriot Lighting LED Solar Dual Head Motion Sensor Outdoor Security Flood Light User Manual

Model: ES00992G

## 1. INTRODUCTION

---

Thank you for choosing the Patriot Lighting LED Solar Dual Head Motion Sensor Outdoor Security Flood Light. This product is designed to provide reliable, motion-activated illumination for outdoor areas such as garages, doorways, sheds, and backyards, utilizing solar power for energy efficiency. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of your device.



Figure 1: Patriot Lighting LED Solar Dual Head Motion Sensor Outdoor Security Flood Light. This image shows the front view of the black dual-head flood light with a motion sensor positioned below the light heads.

## 2. SAFETY INFORMATION

---

- Always handle the product with care.
- Ensure the solar panel is exposed to direct sunlight for optimal charging.
- Do not attempt to disassemble or modify the product, as this may void the warranty and pose safety risks.
- Keep the product away from open flames or extreme heat sources.
- Dispose of batteries according to local regulations.
- This product is designed for outdoor use only.

## 3. PACKAGE CONTENTS

---

Verify that all components are present before installation:

- 1 x LED Solar Dual Head Motion Sensor Outdoor Security Flood Light
- 1 x Replaceable 3.7V 1800mAh Li-ion Rechargeable Battery (pre-installed or included separately)

- Mounting Hardware (screws, wall anchors)
- Instruction Manual

## 4. PRODUCT FEATURES

---

- **Solar Powered:** Operates without electrical hard wiring, utilizing a replaceable 3.7V 1800mAh Li-ion rechargeable battery.
- **Dual Head Design:** Two adjustable LED light heads for broad coverage.
- **Motion Sensor:** Detects motion up to 45 feet within a 180-degree range.
- **Bright Illumination:** 1000 lumens with a 5000K (Daylight) color temperature.
- **Durable Construction:** Manufactured from industry-leading plastic materials.
- **Long Lifespan:** LED life expectancy of 20,000 hours.

## 5. SETUP AND INSTALLATION

---

### 5.1 Choosing a Mounting Location

Select a location that receives direct sunlight for at least 6-8 hours daily to ensure optimal battery charging. The motion sensor should be positioned to cover the desired detection area, typically facing pathways or entry points. Avoid placing the light near other strong light sources that might interfere with the motion sensor's operation.



Figure 2: Component Diagram. This diagram illustrates the various parts of the flood light, including the solar panel, LED heads, and motion sensor, which aids in understanding the product's structure for installation.

### 5.2 Mounting Steps

1. **Prepare the Mounting Surface:** Ensure the surface is clean and sturdy enough to support the light fixture.
2. **Mark Drill Holes:** Hold the mounting bracket of the light against the desired surface and mark the positions for drilling.
3. **Drill Holes:** Use an appropriate drill bit to create holes at the marked positions. Insert wall anchors if mounting on masonry

or drywall.

4. **Secure the Light:** Align the light's mounting bracket with the drilled holes and secure it using the provided screws.
5. **Adjust Light Heads and Sensor:** Loosen the adjustment screws on the light heads and motion sensor to position them for optimal coverage. Tighten the screws once adjusted.



Figure 3: Adjustable Light Heads and Motion Sensor. This side view highlights the adjustable nature of the dual light heads and the motion sensor, allowing for precise aiming of light and detection.



Figure 4: Integrated Solar Panel. A detailed view of the solar panel, which should be oriented towards direct sunlight for efficient charging of the internal battery.



Figure 5: Installed Flood Light. An example of the flood light mounted on an exterior wall, demonstrating its appearance in an outdoor setting.

## 6. OPERATING INSTRUCTIONS

---

### 6.1 Initial Operation

Upon initial installation, allow the solar light to charge for at least 24-48 hours in direct sunlight before its first use. This ensures the battery reaches a full charge. The light is designed to operate automatically, turning on when motion is detected in low-light conditions.

### 6.2 Motion Sensor Adjustment

The motion sensor has a detection range of up to 45 feet and a 180-degree angle. The sensitivity and duration of the light can typically be adjusted using controls on the sensor unit or via a remote control (if included with your model). Refer to the specific markings on your device for adjustment options.

### 6.3 Light Modes

The flood light is primarily motion-activated. It will remain off during daylight hours while charging and will activate its 1000-lumen output when motion is detected in the dark. The light will turn off automatically after a set period of no motion, conserving battery life.



Figure 6: Light in Operation. This image shows the dual LED heads illuminated, demonstrating the bright output of the flood light when activated by motion.

## 7. MAINTENANCE

---

### 7.1 Cleaning

Regularly clean the solar panel and light heads with a soft, damp cloth to remove dust, dirt, and debris. A clean solar panel ensures efficient charging. Avoid using abrasive cleaners or solvents.

### 7.2 Battery Replacement

The product includes one replaceable 3.7V 1800mAh Li-ion rechargeable battery. Over time, rechargeable batteries may lose capacity. If you notice a significant decrease in performance, the battery may need replacement. Use only the specified battery type. Refer to the product's battery compartment for instructions on safe replacement.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure solar panel receives 6-8 hours of direct sunlight daily. Clean the solar panel.
Light stays on or flashes.	Motion sensor interference or malfunction.	Check for objects moving in the detection zone (e.g., tree branches). Reposition the sensor or adjust sensitivity.
Light is dim or short-lived.	Battery not fully charged or aging.	Allow more charging time. Consider replacing the rechargeable battery.
Motion sensor not detecting.	Sensor obstructed or incorrectly aimed.	Clear any obstructions. Adjust the sensor angle to cover the desired area.

## 9. SPECIFICATIONS

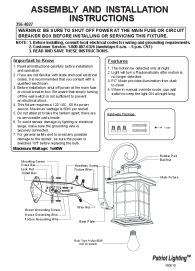
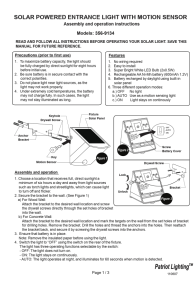
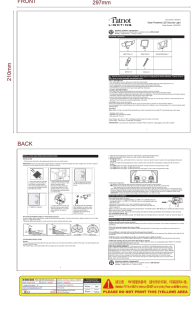
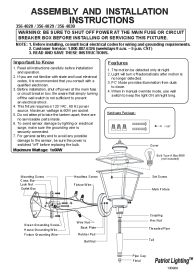
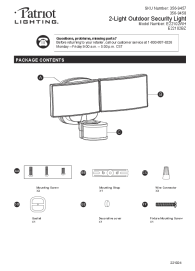
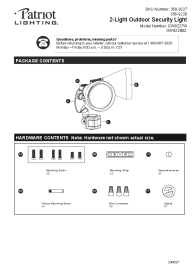
- **Model Number:** ES00992G
- **Brand:** Patriot Lighting
- **Power Source:** Solar Powered
- **Battery:** 1 x Replaceable 3.7V 1800mAh Li-ion Rechargeable Battery
- **Light Source:** LED
- **Brightness:** 1000 Lumens
- **Color Temperature:** 5000K (Daylight)
- **CRI:** 70
- **Wattage:** 12 watts
- **Voltage:** 3.7 Volts
- **Motion Detection Range:** Up to 45 feet
- **Motion Detection Angle:** 180 degrees
- **Material:** Plastic
- **Color:** Bronze
- **Installation Type:** Flush Mount
- **Indoor/Outdoor Usage:** Outdoor
- **Average Life:** 20,000 Hours
- **Item Weight:** 1.54 pounds
- **Package Dimensions:** 7.5 x 7.13 x 5.13 inches

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact Patriot Lighting customer service. Keep your purchase receipt as proof of purchase.



## Related Documents - ES00992G

 <p>The image shows the cover of the assembly and installation instructions for the Patriot Lighting 356-4027 outdoor motion sensor wall lantern. It features a photograph of the light fixture and a diagram showing its components.</p>	<p><a href="#">Patriot Lighting 356-4027 Assembly and Installation Instructions</a></p> <p>Comprehensive assembly and installation guide for the Patriot Lighting 356-4027 outdoor motion sensor wall lantern. Includes features, step-by-step installation, operation modes, customization options, troubleshooting, and warranty information.</p>
 <p>The image shows the cover of the assembly and operation manual for the Patriot Lighting 356-9134 solar powered entrance light with motion sensor. It includes a photograph of the light fixture and a diagram of its internal components.</p>	<p><a href="#">Patriot Lighting 356-9134 Solar Powered Entrance Light with Motion Sensor - Assembly &amp; Operation Manual</a></p> <p>Detailed assembly, operation, and troubleshooting guide for the Patriot Lighting 356-9134 solar-powered entrance light with motion sensor. Includes installation instructions, features, battery replacement, and warranty information.</p>
 <p>The image shows the front and back covers of the installation and operation manual for the Patriot Lighting ES00279G solar powered LED security light. The front cover has a large photograph of the light fixture, and the back cover has technical specifications and safety warnings.</p>	<p><a href="#">Patriot Lighting Solar Powered LED Security Light ES00279G - Installation and Operation Manual</a></p> <p>Comprehensive guide for the Patriot Lighting ES00279G Solar Powered LED Security Light, covering installation, operation, features, maintenance, troubleshooting, and warranty information.</p>
 <p>The image shows the cover of the assembly and installation guide for the Patriot Lighting 356-4028/4029/4030 motion activated outdoor light. It features a photograph of the light fixture and a diagram of its components.</p>	<p><a href="#">Patriot Lighting 356-4028/4029/4030 Motion Activated Outdoor Light: Assembly &amp; Installation Guide</a></p> <p>Detailed assembly and installation guide for Patriot Lighting outdoor motion sensor lights (models 356-4028, 356-4029, 356-4030). Includes features, operation modes, troubleshooting, and warranty information.</p>
 <p>The image shows the cover of the installation and operation manual for the Patriot Lighting 2-Light Outdoor Security Light. It includes a photograph of the light fixture and a diagram of its internal components.</p>	<p><a href="#">Patriot Lighting 2-Light Outdoor Security Light Installation and Operation Manual</a></p> <p>Detailed installation, operation, and troubleshooting guide for the Patriot Lighting 2-Light Outdoor Security Light (Models E22102WH, E22102BZ). Includes safety warnings, parts list, mode explanations, and warranty information.</p>
 <p>The image shows the cover of the installation guide for the Patriot Lighting 2-Light Outdoor Security Light. It includes a photograph of the light fixture and a diagram of its internal components.</p>	<p><a href="#">Patriot Lighting 2-Light Outdoor Security Light Installation Guide</a></p> <p>Detailed installation guide for the Patriot Lighting 2-Light Outdoor Security Light (Models OW9227W, OW9228BZ). Covers safety, preparation, step-by-step assembly, sensor and light head adjustments, operation modes, troubleshooting, and warranty information.</p>

