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> HGGH Motion Sensor Outdoor Light User Manual

## HGGH DS-90-934A

# HGGH Motion Sensor Outdoor Light User Manual

Model: DS-90-934A

## PRODUCT OVERVIEW

The HGGH Motion Sensor Outdoor Light is a high-brightness LED floodlight designed for enhanced security and illumination around your home. Featuring three adjustable heads and a sensitive motion sensor, it provides versatile lighting solutions for various outdoor areas.



Front view of the HGGH Motion Sensor Outdoor Light, showcasing its three adjustable LED light panels and integrated motion sensor.

- **Motion Sensor Capability:** Equipped with a 180-degree sensitive motion sensor that detects movement up to 49 feet, providing added security.

- **High Brightness & Energy Efficiency:** The 38W LED floodlight produces up to 4200 lumens, offering powerful illumination while being energy-saving. It features an optical designed filter lens for better light distribution.
- **Adjustable Design:** The three lamp heads and the motion sensor head can be adjusted to different angles, allowing you to direct light precisely where needed.
- **Durable & Weatherproof:** Constructed from high-quality plastic material, this light is IP65 waterproof, rustproof, and anti-corrosion, ensuring normal operation in severe weather conditions like heavy rain or snow. It also boasts excellent heat dissipation for longevity.



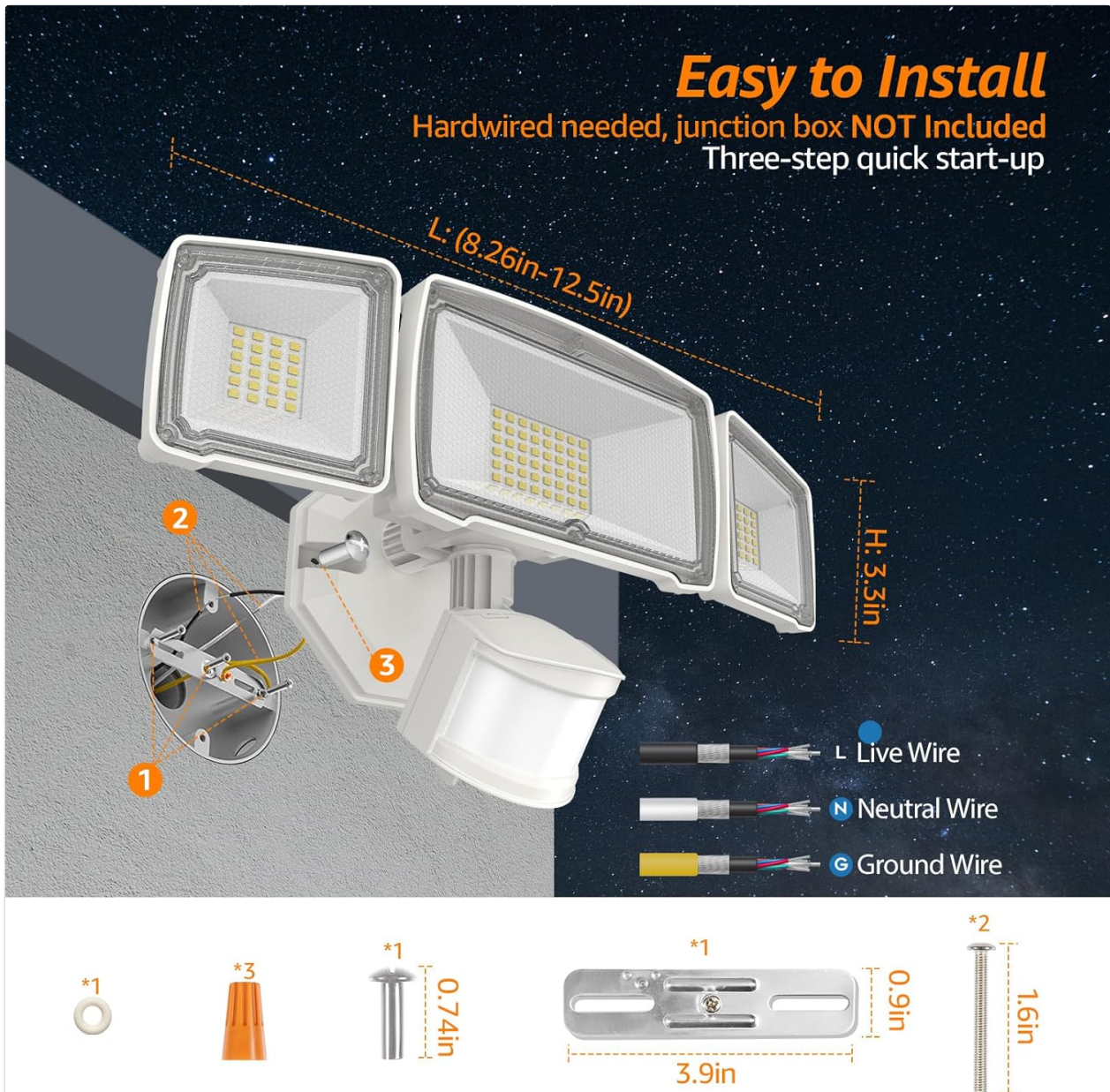
Illustration of the motion sensor's wide 180-degree sensing angle and maximum detection range of 49 feet, covering up to 4300 square feet.

## SETUP AND INSTALLATION

This outdoor security light is designed for wall mounting and requires hardwiring. A junction box is not included. Follow these general steps for installation:

1. **Preparation:** Ensure power is turned off at the circuit breaker before beginning installation. Gather necessary tools (not included).

- Mounting:** Mount the light securely to the wall using the provided hardware. The adjustable design allows for flexible positioning.
- Wiring:** Connect the live, neutral, and ground wires according to local electrical codes. Refer to the wiring diagram for correct connections.
- Adjustments:** Once installed, adjust the three lamp heads and the motion sensor to your desired angles for optimal coverage.



Detailed diagram illustrating the three-step quick start-up installation process, including wiring connections (Live, Neutral, Ground) and the wall mounting plate.

**Important Note:** For soffit or eave mounting, ensure the motion sensor faces outwards for proper detection.

## OPERATING MODES

The HGGH Motion Sensor Outdoor Light offers two distinct working modes to suit your lighting needs:

- Mode 1: Motion Sensing Mode**

After power on, the light defaults to this mode. It remains off during the day. When movement is detected at night, the light turns on. The illumination duration can be adjusted using the time button (30s, 60s, or 120s delay).

- **Mode 2: Constant Light Mode**

To switch to this mode, quickly toggle the power switch OFF-ON-OFF twice within 3 seconds. In this mode, the light will automatically turn off during the daytime and remain constantly lit at night.

## 2 Lighting modes

Mode switching: Switch button cycles twice in 3s(ON-OFF-ON-OFF)



**1**



Mode 1: After power on, it defaults to motion sensing mode. Lights up when movement is detected at night, and turns off after 30s/60s/120s delay.



**2**



Mode 2: Normally on mode. It is not bright during the day, but always bright at night.

Visual representation of the two lighting modes: Mode 1 (motion sensing) where the light activates upon detection, and Mode 2 (constant on) for continuous nighttime illumination.



Close-up view of the adjustment dials for 'Time' (30s, 60s, 120s) and 'Sensitivity' (L=20ft, M=33ft, H=49ft) on the motion sensor unit.

To ensure optimal performance and longevity of your HGGH Motion Sensor Outdoor Light, follow these general maintenance guidelines:

- **Regular Cleaning:** Periodically wipe the light fixture and motion sensor lens with a soft, damp cloth to remove dust, dirt, and debris. Avoid using abrasive cleaners or solvents.
- **Inspect Wiring:** Annually inspect the wiring connections for any signs of wear, corrosion, or damage. Ensure all connections remain secure.
- **Check Sensor Area:** Keep the area around the motion sensor clear of obstructions (e.g., overgrown plants, hanging decorations) that could interfere with its detection capabilities.
- **LED Longevity:** The integrated LED beads are designed for a long lifespan (50,000+ hours) and do not require replacement.

## TROUBLESHOOTING

If you encounter issues with your HGGH Motion Sensor Outdoor Light, consider the following common troubleshooting steps:

- **Light Not Turning On (Motion Mode):**
  - Check Power:* Ensure the power supply to the fixture is active.
  - Sensor Sensitivity:* Adjust the sensitivity dial on the motion sensor to a higher setting.
  - Obstructions:* Verify that there are no obstructions blocking the sensor's field of view.
  - Ambient Light:* The light will not activate if there is sufficient ambient light. Test in darker conditions.
- **Light Stays On Continuously:**
  - Wiring:* Double-check wiring connections to ensure they are correct.
  - Sensor Malfunction:* If the light remains on constantly in motion sensing mode, the sensor may be faulty or continuously detecting movement. Try adjusting the sensitivity or repositioning the sensor.
  - Mode Setting:* Confirm the light is not accidentally set to Constant Light Mode (Mode 2).
- **Light Flickers or Dim:**
  - Power Supply:* Ensure a stable power supply (120 Volts).
  - Loose Connections:* Check for any loose wiring connections at the fixture or junction box.

If these steps do not resolve the issue, please contact customer support.

## SPECIFICATIONS

Specification	Detail
Brand	HGGH
Model Name	DS-90-934A
Color	White
Material	Polycarbonate, Aluminum (Shade)
Light Source Type	LED
Wattage	38 watts

Specification	Detail
Brightness	4200 Lumen
Color Temperature	6000 Kelvin
Voltage	120 Volts
Motion Sensor Range	Up to 49 feet
Motion Sensor Angle	180 degrees
Water Resistance Level	IP65 Waterproof
Average Life	20000 Hours (LED)
Product Dimensions	9"L x 6"W x 5"H
Item Weight	1.7 Pounds
Installation Type	Wall Mount
Certifications	ETL
Included Components	Security Lights (fixture)

## WARRANTY AND SUPPORT

The HGGH Motion Sensor Outdoor Light comes with a **Limited Warranty**. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation included with your purchase or contact HGGH customer support.

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact HGGH customer service through the retailer's platform or the official HGGH website.