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› [HAARAY](#) /

› [HAARAY Solar Lights Outdoor - Model JY2328 Instruction Manual](#)

HAARAY JY2328

HAARAY Solar Lights Outdoor - Model JY2328 Instruction Manual

236 LED 2500 Lumens 360° Illumination Solar Security Flood Light

1. INTRODUCTION

Thank you for choosing the HAARAY Solar Lights Outdoor. This manual provides detailed instructions for the proper installation, operation, and maintenance of your solar security flood lights. Designed for outdoor use, these lights feature a 180° PIR motion sensor, 236 LEDs providing 2500 lumens of brightness, and 360° adjustable illumination. They are built to withstand various weather conditions with an IP65 waterproof rating.

2. SAFETY INFORMATION

- Ensure the solar panel receives direct sunlight for optimal charging.
- Do not disassemble or modify the product. This may cause damage and void the warranty.
- Keep the product away from fire or high temperatures.
- Dispose of batteries according to local regulations.
- Avoid direct eye exposure to the LED light.

3. PACKAGE CONTENTS

The package includes the following items:

- Solar Lights (4 units)
- Mounting Hardware (screws, anchors, wall brackets)
- Ground Stakes (for in-ground installation)
- Instruction Manual (this document)

4. PRODUCT FEATURES

- **Dual Installation Options:** Can be installed in-ground with stakes or wall-mounted with included hardware.
- **180° PIR Motion Sensor:** Equipped with two sensitive PIR motion sensors for enhanced detection of people, animals, and vehicles. Automatically turns off after 20 seconds of no motion.
- **360° Wide Angle Illumination:** Features 236 LEDs and 2500 lumens. Adjustable LED panels on both sides allow for a 360° illumination range.
- **3 Lighting Modes:** Offers various lighting modes for different security and energy-saving needs.
- **IP65 Waterproof:** Constructed with high-quality ABS housing and IP65-certified sealing technology, ensuring resistance to extreme weather conditions.
- **Adjustable Height:** Two adjustable mounting heights are provided for varied terrains.

5. SETUP AND INSTALLATION

The HAARAY Solar Lights offer flexible installation options. Choose between in-ground or wall-mount setup based on your lighting needs and location.

5.1. Wall Mount Installation

1. Select a location on a wall that receives direct sunlight for the solar panel.
2. Use the provided mounting hardware (screws and anchors) to secure the wall bracket to the desired surface.
3. Attach the solar light unit to the secured wall bracket. Ensure it is firmly in place.
4. Adjust the LED panels and the solar panel to achieve the desired illumination angle and optimal sun exposure.



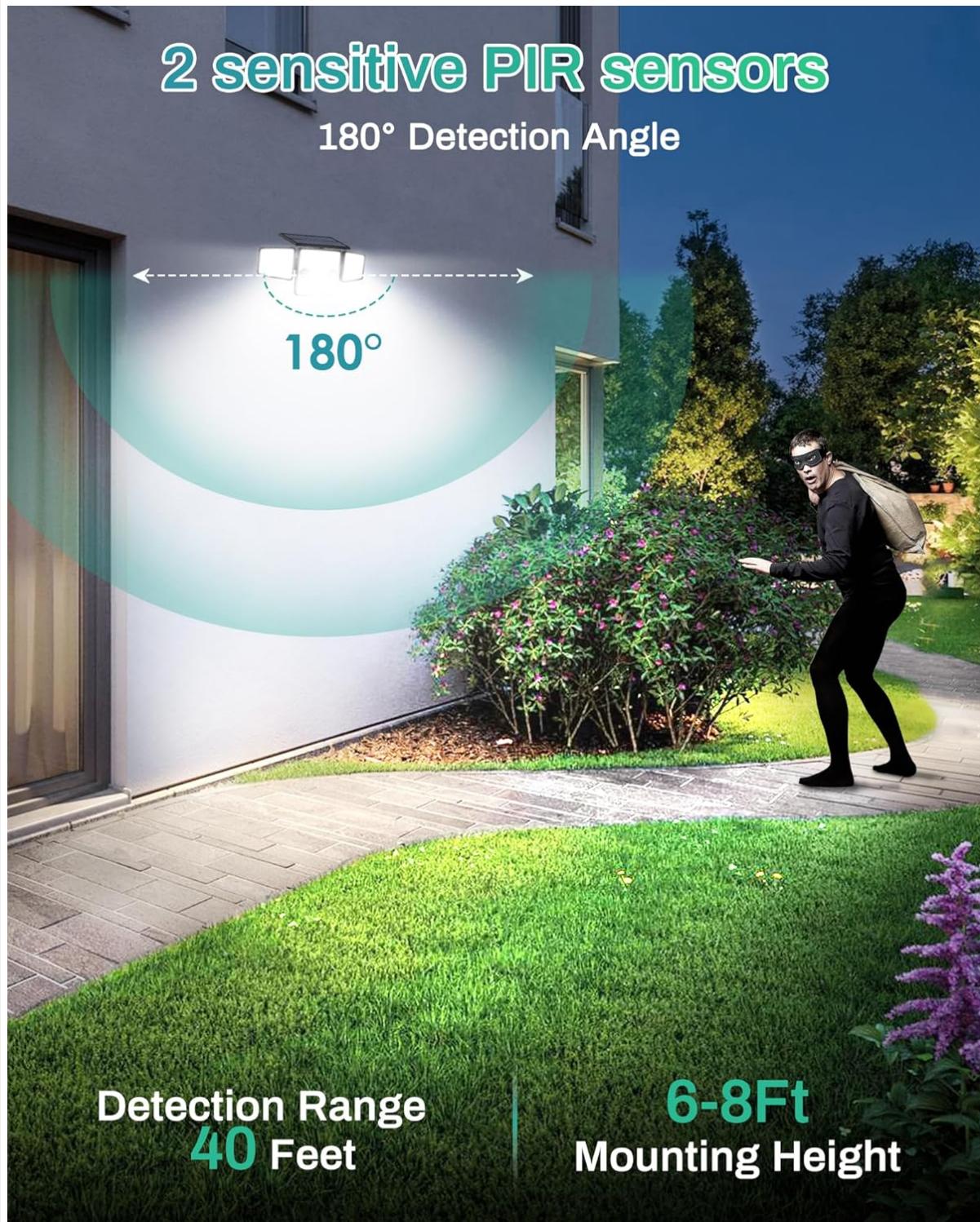
WALL OR STAKE MOUNT



Image: HAARAY Solar Light mounted on a wall, showing dimensions and included mounting hardware.

5.2. In-Ground Installation

1. Choose a spot in your yard or garden where the solar panel can receive maximum direct sunlight.
2. Assemble the ground stake by connecting the extension pieces if desired for adjustable height.
3. Attach the solar light unit to the top of the assembled ground stake.
4. Gently push the stake into the ground until it is stable. Avoid forcing it into hard soil to prevent damage.
5. Adjust the LED panels and the solar panel for optimal lighting and charging.



**Detection Range
40 Feet**

**6-8Ft
Mounting Height**

Image: HAARAY Solar Light installed in the ground using the provided stakes, illuminating a pathway.

6. OPERATING INSTRUCTIONS

The HAARAY Solar Lights feature an ON/OFF switch button and multiple lighting modes to suit your preferences. The solar panel charges the internal battery during the day, and the lights activate automatically at dusk.

6.1. Initial Activation and Charging

Before first use, ensure the solar panel is exposed to direct sunlight for 6-8 hours to fully charge the battery. The light will automatically turn on at dusk once charged.



Image: Illustration showing the solar light charging during the day and automatically illuminating at dusk.

6.2. Adjusting Illumination Angle

The three LED panels can be manually adjusted up to 360° to direct light where needed, providing wide-angle illumination.

236 LEDs Solar Motion Light

The illumination area can be adjusted up to 360°

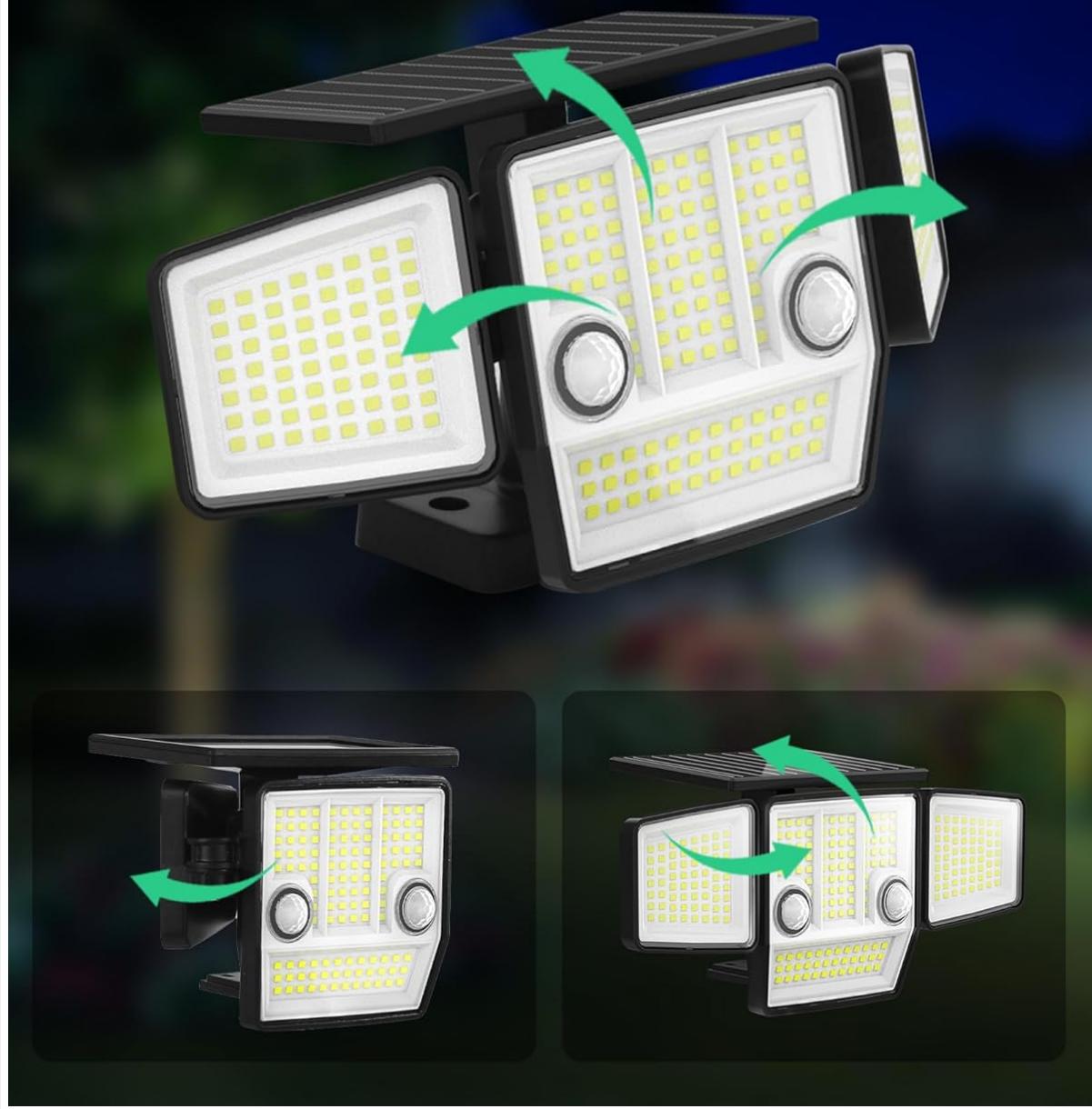


Image: Close-up of the HAARAY Solar Light demonstrating the adjustable LED panels for 360° illumination.

6.3. Lighting Modes

The light features 3 distinct operating modes, selectable via the switch button on the unit or the included remote control. The remote control allows for convenient mode switching from a distance.

3 LIGHTING MODES

MODE 1



OFF



BRIGHT



OFF

MODE 2



NO MOTION DETECTION-ON ALL NIGHT

MODE 3



DIM



BRIGHT



DIM

Image: Diagram illustrating the three lighting modes of the HAARAY Solar Light.

- **Mode 1 (Motion Sensor Full Brightness):** The light remains off until motion is detected. Upon detection, it illuminates at full brightness (2500 lumens) for approximately 20 seconds, then turns off. This mode is ideal for security lighting.
- **Mode 2 (Dusk to Dawn Constant Low Light):** The light automatically turns on at a low brightness (approximately 30% of full brightness) at dusk and stays on continuously until dawn, regardless of motion.
- **Mode 3 (Dusk to Dawn Dim + Motion Sensor Full Brightness):** The light stays on at a dim brightness (approximately 10% of full brightness) from dusk until dawn. When motion is detected, it switches to full brightness for approximately 20 seconds, then returns to dim.

To cycle through the modes, press the ON/OFF/Mode switch button located on the back of the main light unit, or use the corresponding mode buttons on the remote control.

7. MAINTENANCE

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient charging.
- **Check Connections:** Periodically inspect all connections to ensure they are secure and free from corrosion.
- **Battery Care:** The included D batteries are designed for long-term use. If replacement is ever needed, use compatible rechargeable D batteries.
- **Weather Protection:** While IP65 waterproof, ensure the light is securely mounted to prevent damage during strong winds or heavy storms.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge; switch is off; sensor malfunction.	Ensure solar panel is in direct sunlight for 6-8 hours. Check if the ON/OFF switch is in the ON position. Test different modes.
Light is dim or only stays on for a short time.	Insufficient solar charge; dirty solar panel; old battery.	Clean the solar panel. Relocate the light to a sunnier spot. Allow for a full day's charge.
Motion sensor not detecting movement.	Obstruction in sensor's path; incorrect mounting height; sensor sensitivity.	Clear any obstructions. Ensure mounting height is within 6-8 feet for optimal detection. Test sensor by walking past it.

9. SPECIFICATIONS

Feature	Detail
Brand	HAARAY
Model Name	JY2328
Light Source Type	LED (236 LEDs)
Brightness	2500 Lumens
Color Temperature	7000 Kelvin
Motion Sensor	180° PIR Motion Sensor
Illumination Angle	Up to 360° (adjustable panels)
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	Solar Powered (1 D battery included)
Installation Type	Wall Mount, In-Ground Mount

Feature	Detail
Product Dimensions	11"L x 7.5"W x 15"H
Item Weight	4.22 pounds (for 4-pack)

10. WARRANTY AND SUPPORT

The HAARAY Solar Lights come with an Extended Warranty. For any quality issues or support needs, please contact our customer support team directly. We are committed to providing reasonable solutions and ensuring the best product experience.

For further assistance, please visit the official HAARAY Store:[HAARAY Store on Amazon](#).