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Aigostar e6b08d03-1d8f-4861-a6d6-4fb6bea93e5d

Aigostar Solar Motion Sensor Outdoor Lights

Model: e6b08d03-1d8f-4861-a6d6-4fb6bea93e5d
Brand: Aigostar

1. Product Overview

The Aigostar Solar Motion Sensor Outdoor Lights are designed to provide efficient and reliable illumination for various outdoor spaces such as yards, garages, decks, and pathways. These lights are solar-powered, eliminating the need for electrical wiring, and feature a motion sensor for enhanced security and energy saving. With an IP65 waterproof rating, they are built to withstand diverse weather conditions.



Figure 1.1: Aigostar Solar Motion Sensor Outdoor Lights (2-pack) and an example of outdoor installation.

2. Key Features

- **Solar Powered:** Equipped with a high-efficiency solar panel (up to 25% conversion rate) for charging during the day, providing illumination at night without electricity costs.
- **Motion Sensor:** Integrated Premium PIR Motion Infrared Sensor detects movement, activating the light for security and convenience.
- **3 Lighting Modes:** Offers three distinct operational modes to suit various needs and preferences.
- **IP65 Waterproof:** Designed to withstand harsh weather conditions, ensuring reliable performance outdoors.
- **270° Wide Angle Illumination:** Provides broad coverage for enhanced visibility.
- **Diamond Lens Design:** Features a unique lens design for more focused, brighter, and stronger penetrating light compared to standard solar wall lights.
- **SOS Warning Function:** Includes a flashing light mode to deter intruders or animals.
- **Durable Construction:** Made from Acrylonitrile Butadiene Styrene (ABS) with a high-quality shade that is damage-proof, waterproof, dust-proof, and easy to clean.



Figure 2.1: IP65 Waterproof rating and suggested outdoor applications.

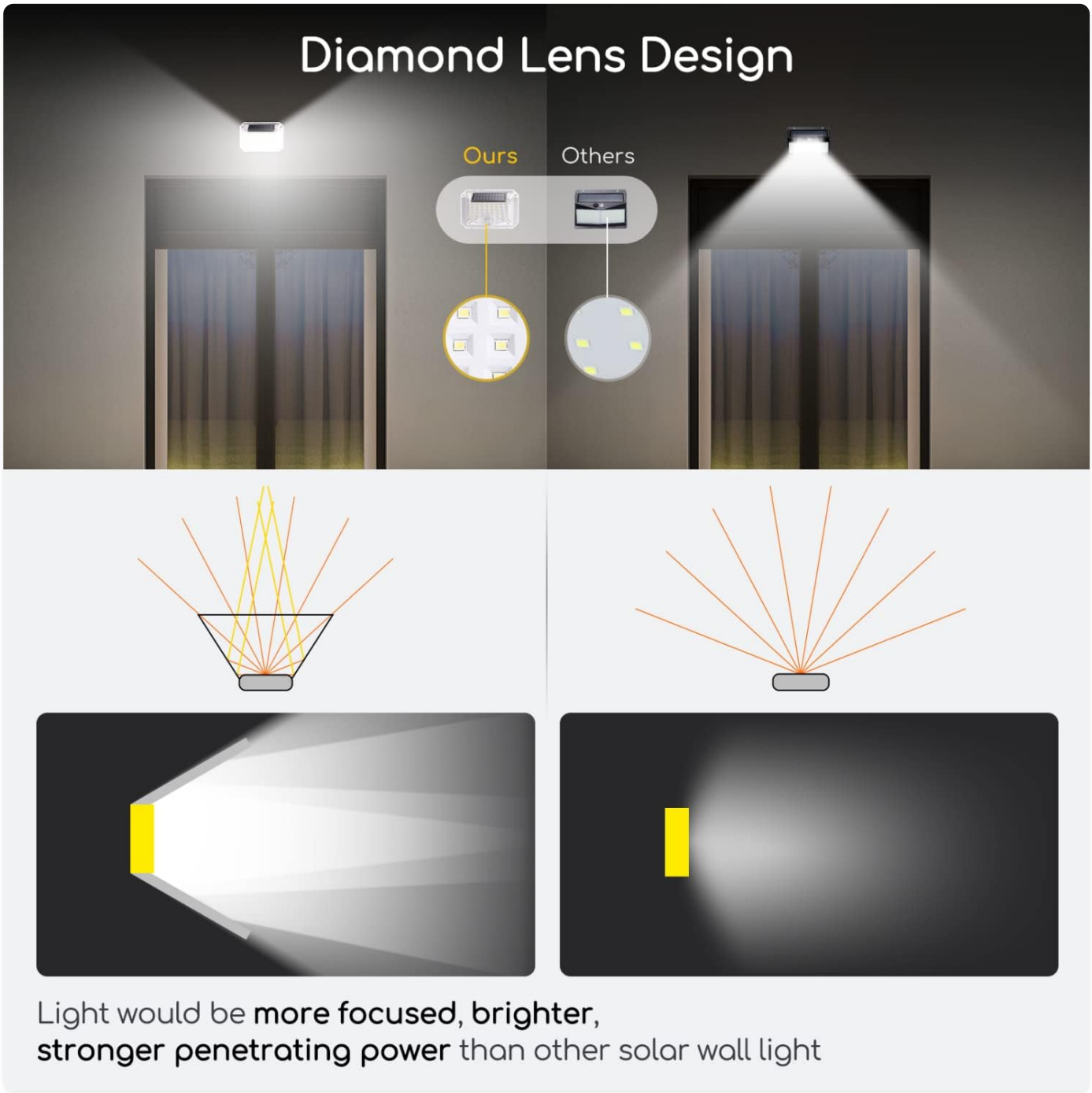


Figure 2.2: Illustration of the Diamond Lens Design for superior light output.

3. Setup and Installation

Follow these steps to properly set up and install your Aigostar Solar Motion Sensor Outdoor Lights:

1. **Unpack and Activate:** Carefully remove the lights from their packaging. Locate the activation button, typically a small push button, and press it to unlock and activate the solar light. This prepares the unit for charging and operation.
2. **Choose Installation Location:** Select a location that receives ample direct sunlight throughout the day to ensure optimal charging of the solar panel. The light should be mounted at a height that allows its motion sensor to cover the desired area effectively.
3. **Mark Drilling Points:** Hold the light against the desired mounting surface and mark the positions for the screws.
4. **Drill Holes:** Use a drill to create pilot holes at the marked points. Insert wall anchors if installing on masonry or drywall.

5. **Mount the Light:** Align the light with the drilled holes and secure it using the provided mounting hardware (screws). Ensure the light is firmly attached to the surface.



Figure 3.1: Step-by-step installation guide for the solar lights.

4. Operating Instructions (Lighting Modes)

The Aigostar Solar Motion Sensor Outdoor Lights feature three intelligent lighting modes, which can be cycled through by pressing the push button on the unit. It is recommended to test the modes before final installation, especially if mounting at a high position.

1. **Strong Light Sensor Mode:** In this mode, the light remains off until motion is detected. Upon detection, it turns on at full brightness (strong light) and automatically turns off after a period of no motion. This mode is ideal for security and energy saving.

2. **Dim Light Sensor Mode:** The light stays on in a dim mode throughout the night. When motion is detected, it brightens to full intensity and then returns to dim mode after motion ceases. This provides continuous ambient lighting with a boost for activity.
3. **Medium Light Mode:** The light stays on at a consistent medium brightness throughout the night, regardless of motion. This mode provides continuous illumination for areas where constant light is desired.

To switch between modes, press the push button located on the light. The sequence typically cycles from OFF → Strong Light Sensor Mode → Dim Light Sensor Mode → Medium Light Mode → OFF.

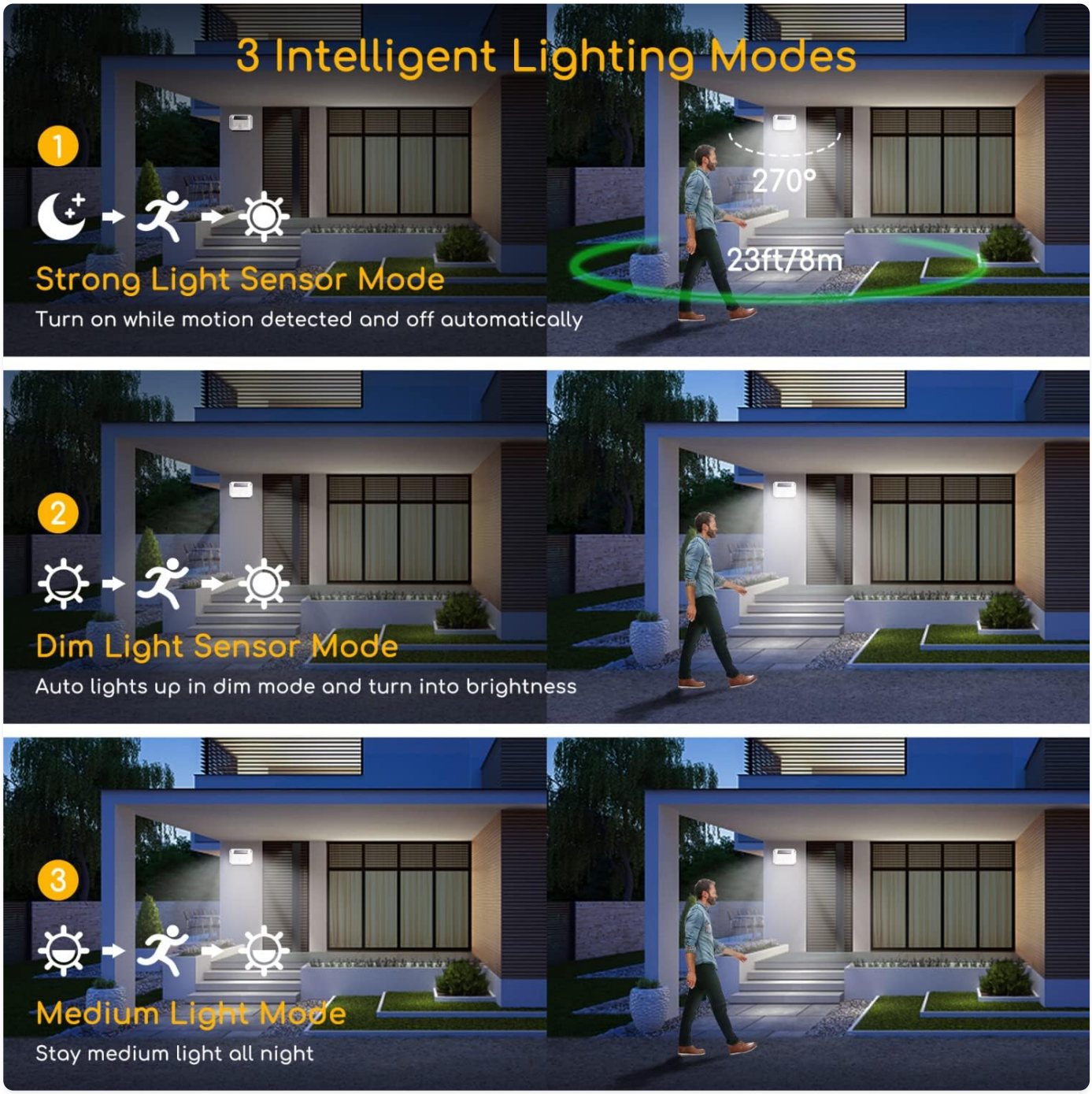


Figure 4.1: Visual representation of the three intelligent lighting modes.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your solar lights.

- **Cleaning:** Regularly wipe the solar panel and the light housing with a soft, damp cloth to remove dust, dirt, and debris. A clean solar panel ensures maximum sunlight absorption for efficient charging. The high-quality shade is designed for easy cleaning.
- **Battery:** The lights come with built-in rechargeable batteries (2*1200mAh). These batteries are charged by the solar panel. No user replacement of batteries is typically required. Ensure the solar panel is exposed to direct sunlight for at least 6-8 hours daily for optimal charging.
- **Seasonal Adjustments:** In winter or periods of reduced sunlight, the light's performance may be affected due to less charging time. Consider repositioning if necessary to maximize sun exposure.



Figure 5.1: Features of the high-quality, easy-to-clean shade.

6. Troubleshooting

If you encounter issues with your Aigostar Solar Motion Sensor Outdoor Lights, refer to the following common problems and solutions:

- **Light Does Not Turn On at Night:**
  - Ensure the light was activated by pressing the push button.
  - Verify the solar panel is receiving sufficient direct sunlight (at least 6-8 hours daily). Obstructions like trees or buildings can block sunlight.
  - Check if the light is in the correct operating mode. Cycle through the modes using the push button to ensure it's not in the 'OFF' state or a mode that requires motion.
  - Clean the solar panel surface to remove any dirt or debris that might be hindering charging.
- **Light Stays Dim or Does Not Brighten with Motion:**
  - The battery may not be fully charged. Allow the light to charge for a full day in direct sunlight.
  - Ensure the light is not in 'Medium Light Mode' if you expect it to brighten with motion. Switch to 'Strong Light Sensor Mode' or 'Dim Light Sensor Mode'.
  - Verify the motion sensor is not obstructed and is clean.
- **Light Flashes Continuously (SOS Warning Function):**
  - This indicates the SOS Warning Function is active. To return to normal operation, press the push button to cycle to one of the other lighting modes.
- **Inconsistent Performance:**

- Extreme temperatures can affect battery performance. The operating temperature range is -5°C to 60°C.
- Ensure the light is securely mounted and not loose, which could affect sensor stability.

7. Specifications

Attribute	Value
Brand	Aigostar
Model Number	e6b08d03-1d8f-4861-a6d6-4fb6bea93e5d
Color	White
Material	Acrylonitrile Butadiene Styrene, Plastic
Light Fixture Form	Wall
Room Type	Garage, Yard
Product Dimensions	5.71"L x 4"W x 2.08"H (14.5cm x 10.1cm x 5.3cm)
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered
Installation Type	Wall Mount
Control Method	Push Button
Light Source Type	LED
Light Color	Cool White
Number of Light Sources	90
Voltage	3.7 Volts
Brightness	120 Lumen (up to 260 Lumen peak)
Efficiency	25% (Solar Conversion)
Water Resistance Level	Waterproof (IP65)
Number of Items	2 (per pack)
Item Weight	15.5 ounces
Batteries Included?	Yes
Operating Temperature	-5°C to 60°C

8. Warranty and Support

For warranty information or technical support regarding your Aigostar Solar Motion Sensor Outdoor Lights, please refer to the official Aigostar website or contact their customer service directly. Keep your purchase receipt as proof of purchase. A digital version of this user guide and other product documents may be available for download from the manufacturer's support page. A Certificate of Compliance for this product is available here.

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