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› Aootek Solar Lights Outdoor 182 LEDs 2500Lm Solar Motion Sensor Lights IP65 Waterpro of with Wide Anglefor Patio Garden Garage Yard Front Door(2pack) - Instruction Manual

Aootek Aootek-GT44T5

Aootek Solar Lights Outdoor 182 LEDs Instruction Manual

Brand: Aootek | Model: Aootek-GT44T5

1. INTRODUCTION

Thank you for choosing Aootek Solar Lights. These outdoor lights are designed to provide efficient and reliable illumination for various outdoor areas such as patios, gardens, garages, yards, and front doors. Featuring 182 high-efficiency LEDs and a sensitive motion sensor, these lights offer bright, wide-angle lighting with multiple operating modes to suit your security and lighting needs. Built with IP65 waterproof and heatproof materials, they are designed for long-term outdoor use in diverse weather conditions.

2. PRODUCT OVERVIEW

The Aootek Solar Light unit integrates a solar panel, LED light array, and motion sensor into a compact, durable housing. Below are key components and dimensions:



Figure 2.1: Front view of two Aootek Solar Lights, highlighting the 182 LEDs and central motion sensor.

High Efficient Solar Panel (conversion rate is 20.5%)



Efficient solar energy conversion + Larger panel = Sufficient power
Solar panel area * conversion rate = charging capacity / hour



Figure 2.2: Product dimensions (196mm L x 112mm H x 55mm W) and comparison of 182 LEDs versus smaller models.

Solar panel



✓	Security light mode (when it detects motion at night. Motion sensor turns the light on for 15 seconds and off automatically)	✓
✓	Permanent On all night mode (the light turns on automatically night and stay all night.)	✗
✓	Smart brightness control mode (the Light stays all night and turns brighter when it detects motion)	✗

Why do we need bigger solar panels?
Bigger solar panels can give you more options to meet your different needs

Figure 2.3: Comparison illustrating the larger solar panel size of Aootek lights for improved energy conversion.

3. SETUP AND INSTALLATION

For optimal performance, ensure the solar light is installed in a location that receives direct sunlight for at least 6-8 hours daily. Avoid shaded areas.

Installation Steps:

- Choose Location:** Select a wall or surface where the light can receive maximum sunlight and cover the desired area with its illumination.
- Mark Drill Points:** Use the provided mounting template or hold the light against the wall and mark the two screw holes.
- Drill Holes:** Drill two holes at the marked points. Insert the provided wall plugs if installing into masonry or drywall.
- Mount Light:** Align the light with the drilled holes and secure it using the provided screws. Ensure it is firmly attached.

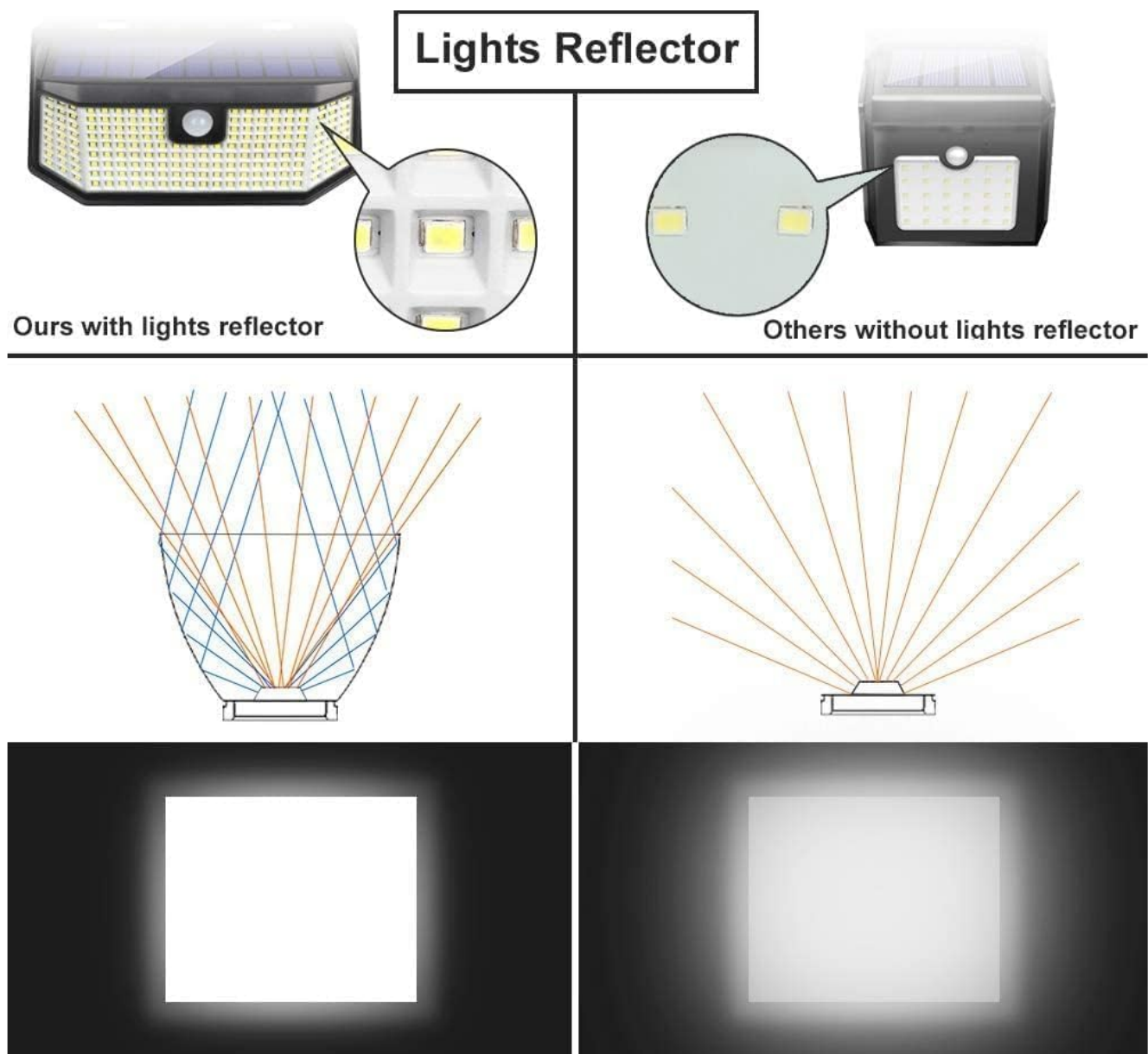
5. **Activate:** The light typically activates automatically after its first charge in sunlight. Some models may have a small pinhole switch for initial activation.



Figure 3.1: Example installation of Aootek Solar Lights above garage doors, demonstrating effective area lighting.

4. OPERATING MODES

The Aootek Solar Light offers three distinct operating modes to cater to different lighting preferences and security needs. These modes are typically cycled by pressing a button on the unit.



lights are designed with reflective structures which can reduce the lighting loss and increase the brightness of the lights

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

1. **Security Mode (Motion Sensor On/Off):** The light remains off until motion is detected. Once motion is sensed, the light turns on at full brightness for approximately 15 seconds, then automatically turns off. This mode is ideal for security and energy saving.
2. **Permanent On All Night Mode:** The light automatically turns on at a medium brightness level at dusk and stays on throughout the night. This provides continuous ambient lighting.
3. **Smart Brightness Control Mode:** The light stays on at a dim brightness level throughout the night. When motion is detected, it turns brighter for approximately 15 seconds, then returns to dim brightness. This mode balances continuous lighting with enhanced illumination upon motion.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Aootek Solar Lights, follow these simple maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient charging.

- **Check Mounting:** Periodically inspect the mounting screws and ensure the light is securely attached to the wall. Tighten if necessary.
- **Battery Care:** The integrated lithium-ion battery is designed for long-term use. Avoid prolonged storage in completely discharged states. Allow the light to fully charge in direct sunlight before first use and after extended periods of non-use.
- **Weather Resistance:** The IP65 waterproof and heatproof design means the light is built to withstand various weather conditions, but extreme conditions (e.g., prolonged heavy snow cover) may temporarily affect performance.

6. TROUBLESHOOTING

If you encounter issues with your Aootek Solar Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight exposure; battery not charged; light is in 'OFF' mode.	Ensure solar panel receives 6-8 hours of direct sunlight. Check for obstructions. Cycle through modes to ensure it's not off.
Light is dim or only stays on for a short time.	Partial charge; dirty solar panel; old battery.	Clean solar panel. Allow for more charging time. If light is very old, battery capacity may have degraded.
Motion sensor not detecting.	Sensor obstructed; incorrect mode; sensor range issues.	Ensure sensor is clear of debris. Verify light is in a motion-sensing mode. Adjust mounting height/angle if needed.
Light flickers.	Low battery; loose connection.	Allow light to fully charge. Check mounting for stability.

7. SPECIFICATIONS

Feature	Detail
Brand	Aootek
Model Name	DG44
Item Model Number	Aootek-GT44T5
Light Source Type	LED (182 LEDs)
Brightness	2500 Lumen
Power Source	Solar Powered
Battery	1 AA batteries required (included) - 2200 mAh rechargeable lithium-ion
Voltage	3.7 Volts
Wattage	3.7 Watt-hours
Material	Plastic
Color	Black

Feature	Detail
Product Dimensions	3.8"L x 3.9"W x 8"H
Item Weight	1.19 pounds
Water Resistance Level	IP65 Waterproof
Special Features	Waterproof, Motion Sensor
Solar Panel Conversion Rate	Up to 20.5%

8. WARRANTY & SUPPORT

Aootek stands behind the quality of its products. Your Aootek Solar Lights are covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, claims, or technical support, please refer to the contact information provided with your product packaging or visit the official Aootek website. Please retain your proof of purchase for warranty service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question