

## DrawGreen DG08-A

# DrawGreen Solar Motion Lights Outdoor

## MODEL: DG08-A USER MANUAL

### Introduction

Thank you for choosing the DrawGreen Solar Motion Light. This manual provides essential information for the proper installation, operation, and maintenance of your device. Please read it thoroughly before use and retain it for future reference.

### Product Overview

The DrawGreen Solar Motion Light is an outdoor LED spotlight designed for security and illumination. It features a high-strength aluminum alloy shell for durability and an IP66 waterproof rating, making it suitable for various weather conditions. The integrated solar panel charges during the day, and the light automatically activates at night with a motion sensor for enhanced security.

- **Durable Aluminum Construction:** High-strength aluminum alloy shell for extended lifespan.
- **Automatic Dusk-to-Dawn Operation:** Built-in photocell sensor for automatic charging during the day and activation at night.
- **Motion Sensor Functionality:** PIR motion detection sensor detects movement up to 20-26 feet away within a 120-degree range, activating a high-bright mode (1400 LM) for 20 seconds.
- **Adjustable Design:** The light holder can be rotated 360 degrees, and the solar panel's angle is adjustable for optimal light and sensing coverage.
- **High Brightness:** 1400 lumens LED output with optics-grade PMMA lens provides strong illumination up to 45-60 feet.

### Safety Information

- Ensure the product is installed securely to prevent falling.

- Do not disassemble or modify the product, as this may void the warranty and pose safety risks.
- Keep the solar panel clean to ensure efficient charging.
- Avoid direct eye exposure to the LED light when it is on.
- The product is waterproof (IP66), but avoid submerging it in water.

## Package Contents

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Verify that all components are present in the package:

- 1 x Solar Motion Light (High-power LED, Aluminum shell, Motion sensor, Solar panels)
- Mounting Screws
- Adhesive Weatherproof Backing

## Installation

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Follow these steps for optimal installation:

1. **Initial Charge:** Before mounting, place the solar panel in direct sunlight for at least 8 hours to ensure a full initial charge.
2. **Activate the Light:** The on/off button is located on the back of the solar panel. Press it to turn the light ON. When ON, the light will flash once. When OFF, it will flash twice.
3. **Prepare Mounting Surface:** Attach the weatherproof backing with the adhesive side facing the mounting surface.
4. **Mount the Base:** Secure the light's base to your desired location (e.g., wall, tree, railing, eaves) using the provided screws.
5. **Attach the Light:** Connect the light unit to the mounted base.
6. **Adjust Angle:** Adjust the solar panel and light head to ensure maximum sun exposure for the panel and optimal lighting coverage for the desired area. The light holder can rotate 360 degrees, and the solar panel angle is also adjustable.

# LED Aluminum Security Lights Feature **motion sensor**



**150° Infrared**  
motion sensor

auto-Dim light  
continued for  
**30 hours**

Figure 1: Various installation locations for the solar motion light.

# Aluminum Solar Security Lights



Figure 2: Adjustable solar panel and light head for optimal positioning.

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Video 1: Demonstration of the DrawGreen Solar Motion Light's features and installation process.

## Operation

The DrawGreen Solar Motion Light operates in two primary modes:

- **Dusk-to-Dawn Dim Mode:** When it gets dark, the light automatically turns on to a constant, dim illumination. This provides continuous low-level lighting throughout the night.
- **Motion-Activated Bright Mode:** Upon detecting motion within its 20-26 ft range and 120-degree angle, the light will switch to a high-bright mode (1400 lumens) for approximately 20 seconds. After 20 seconds of no further motion, it will revert to the dim mode.

## Versatile Outdoor Lighting



Figure 3: Solar motion sensor operation with dim and bright modes.

## Motion-Activated Brightness



Figure 4: Bright illumination provided by the solar light.

## Maintenance

To ensure the longevity and optimal performance of your solar motion light:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may hinder charging efficiency.
- **Check for Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel.
- **Battery:** The product features a replaceable battery design. If the light's performance significantly degrades over time, consider replacing the internal battery. Refer to the manufacturer's guidelines for

compatible battery types and replacement procedures.

## Troubleshooting

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

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient charging during the day. The light is OFF.	Ensure the solar panel receives 5-6 hours of direct sunlight daily. Verify the light is turned ON using the button on the back of the solar panel.
Light is dim or does not stay bright.	Low battery charge due to cloudy weather or insufficient sun exposure.	Relocate the light to an area with more direct sunlight. Allow several sunny days for a full charge. In winter or prolonged cloudy periods, charging may be less efficient.
Motion sensor is not working or is too sensitive.	Sensor obstructed or improperly aimed. Environmental factors (e.g., wind, small animals).	Ensure the sensor is clear of obstructions. Adjust the sensor's angle to cover the desired area.

## Specifications

Feature	Detail
Brand	DrawGreen
Model Number	DG08-A
Brightness	1400 Lumens
Power Source	Solar Powered
Material	Aluminum Alloy
Water Resistance Level	IP66 Waterproof
Motion Sensor Range	20-26 ft, 120-degree angle
Dimensions (L x W x H)	6.69" x 4.65" x 3.54"
Light Source	LED (8 bulbs)
Charging Time	5-6 hours in direct sunlight

## Warranty and Support

DrawGreen provides a **100-Week 100% FREE REPLACEMENT or MONEY BACK GUARANTEE** if there is any quality issue or any reason that causes dissatisfaction with this item. For support or warranty claims, please contact DrawGreen customer service directly.

