



DG08 MOTION SENSOR
SOLAR LIGHT



DrawGreen DG08 Motion Sensor Solar Light Instruction Manual

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DrawGreen

DrawGreen DG08 Motion Sensor Solar Light

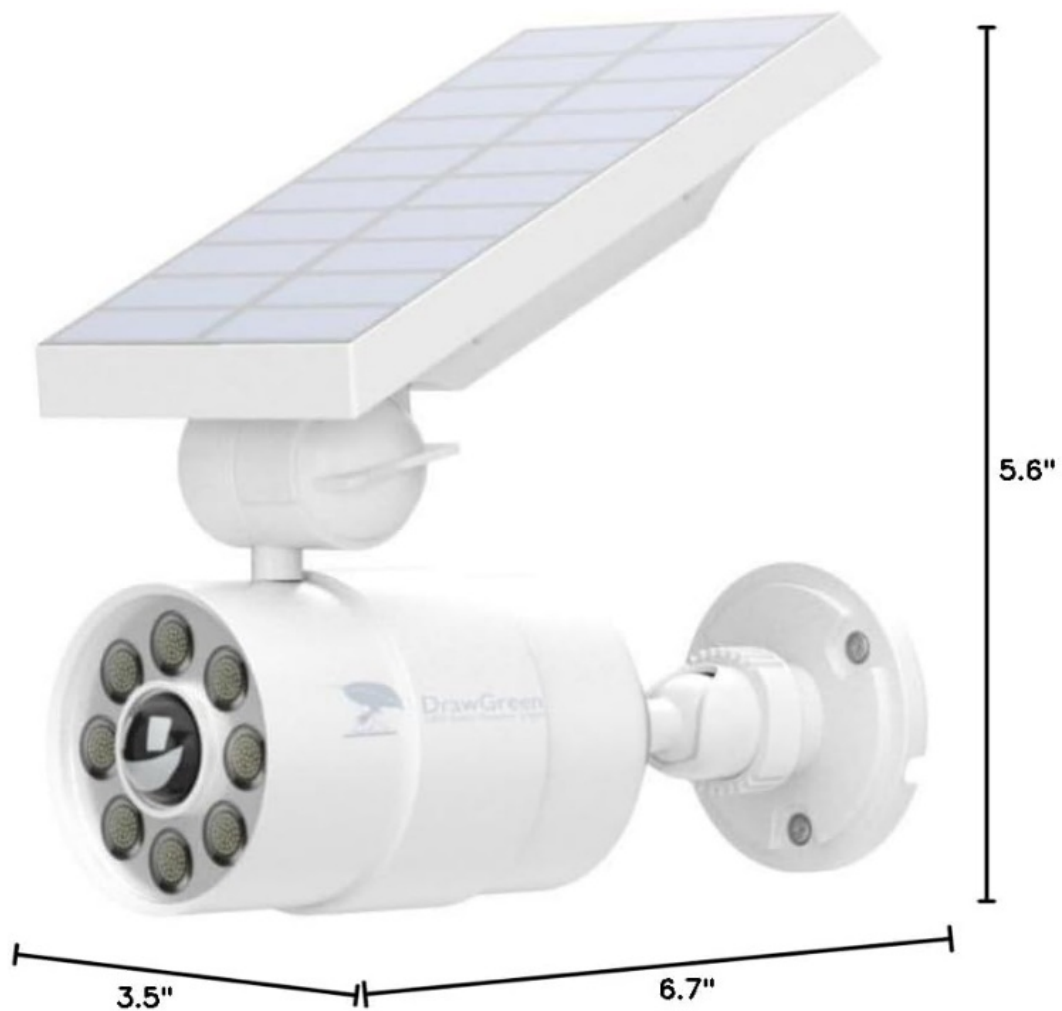


INTRODUCTION

Designed for convenience and security, the DrawGreen DG08 Motion Sensor Solar Light is a strong, energy-efficient outdoor lighting option. With an amazing 1400 lumens of brightness, this LED-powered light, which costs \$19.99, is perfect for lighting outside areas, driveways, and walkways. It improves security by automatically activating when necessary thanks to a motion sensor that can detect movement up to 26 feet. This lamp, which is made by DrawGreen, has unrestricted multi-angle adjustability, enabling customers to customize the lighting direction to suit their needs. While the solar-powered lithium-ion battery offers long-lasting performance with up to 9000 hours of battery life, the optics-grade PMMA lens guarantees a focused, high-intensity beam. The DrawGreen DG08, which has been available since its inception, is an affordable and environmentally responsible lighting solution that blends security, efficiency, and longevity in a small package.

SPECIFICATIONS

Brand	DrawGreen
Price	\$19.99
Product Dimensions	6.7 L x 3.5 W x 5.6 H inches
Control Method	App
Light Source Type	LED
Voltage	12 Volts
Wattage	9 Watts
Controller Type	Motion Sensor
Switch Type	Push Button
Brightness	1400 Lumen
Efficiency	156 lumens per watt
Manufacturer	DrawGreen
Item Weight	13.6 ounces
Item Model Number	DG08
Coverage	Lighting range 40-56 square feet
Special Features	Motion activated from 26 ft., Unrestricted multi-angle adjustable, High power LEDs with optics-grade PMMA lens
Battery Cell Type	Lithium Ion
Average Battery Life	9000 Hours
Warranty Description	100-week 100% free replacement guarantee if there is any quality issue.



WHAT'S IN THE BOX

- Motion Sensor Solar Light
- Manual

PRODUCT OVERVIEW

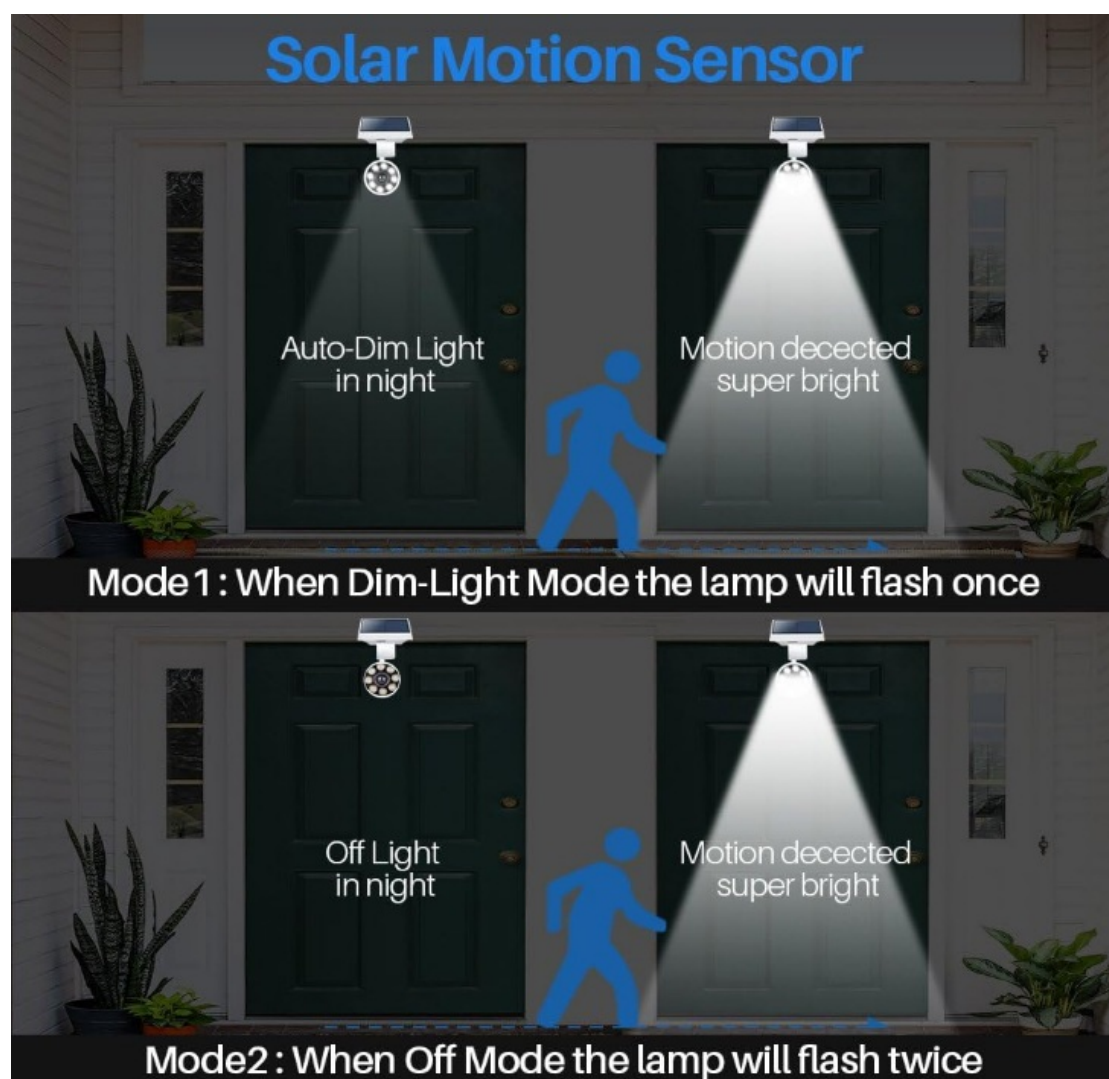


FEATURES

- **Dual-function motion sensor:** When motion is detected, it automatically switches between a 1400LM high brightness mode and a 330LM dim mode or auto-off after 20 seconds.
- **Long-Lasting Battery:** Powered by a premium Lithium-Ion battery that has a 9000-hour average lifespan.
- **Superior Brightness & Coverage:** Up to 2300 square feet of lighting coverage can be achieved using a 9W LED (1400LM, 130W Equivalent).
- **Extremely Effective Solar Panel:** It may be charged in 5–6 hours on sunny days and last up to 3 days on wet, low-light days.



- **360° Adjustable Design:** For the best angle adjustment, the light holder and solar panel can be turned.
- **PIR motion sensors:** Provide a wide range of motion detection, detecting movement from 15 to 26 feet away.



- **Sturdy Aluminum Alloy Casing:** This strong metal construction lasts three to five years, in contrast to ABS plastic models.
- **IP66 Waterproof Rating:** Completely weatherproof and resilient to harsh temperatures ranging from -30°F to 120°F.

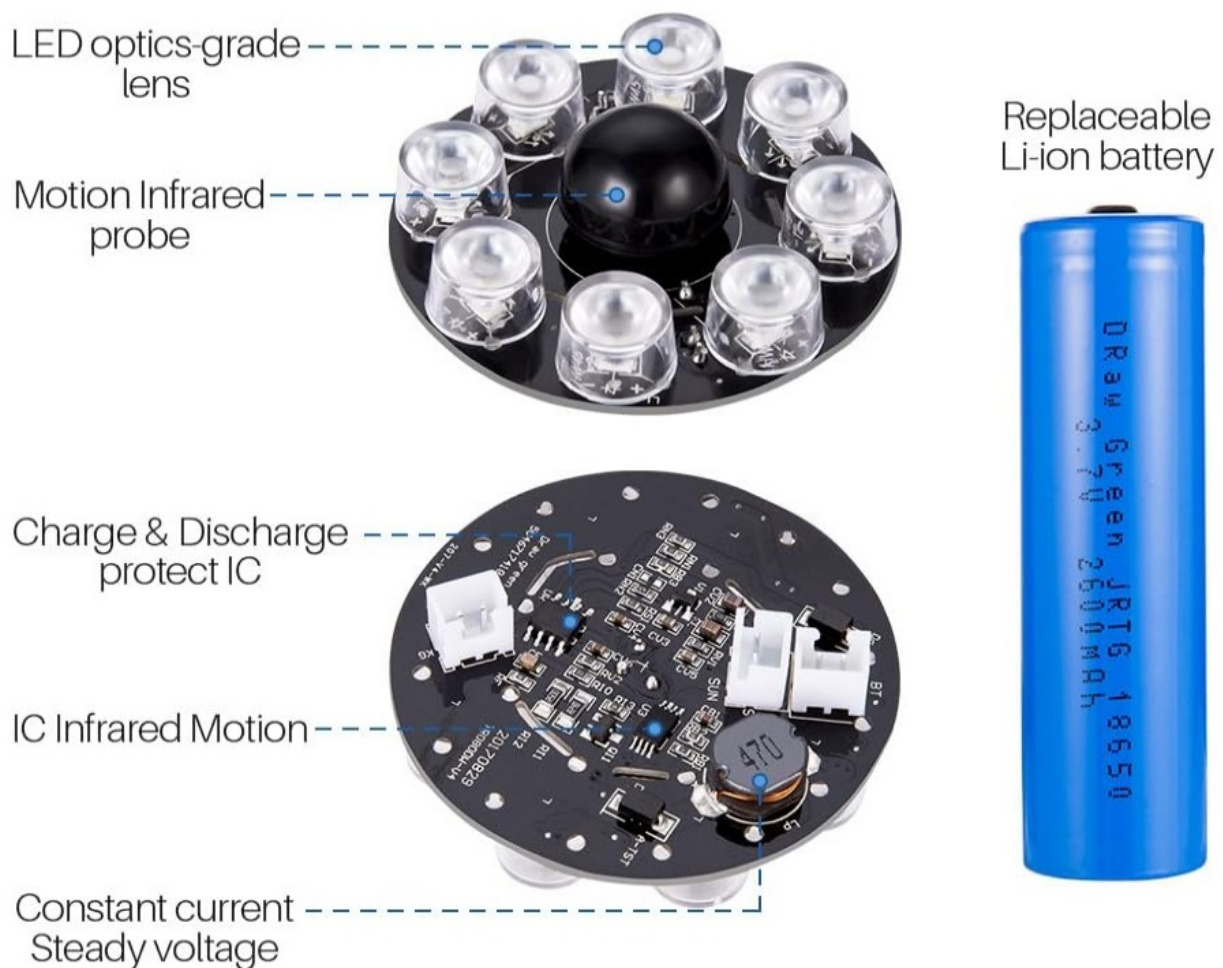


- **Multipurpose Detachable Design:** By removing the metal bracket, it can be utilized as a handheld flashlight or a mounted floodlight.
- **Optics-grade PMMA lens:** Produces a brighter and more consistent light output by ensuring a clear and wide beam dispersion.
- **Push-button switches:** Easy to use for turning things on and off and changing settings.
- **Eco-friendly and energy-efficient:** Requires no external wiring or electricity to operate; it is powered only by solar energy.
- **App-Controlled Functionality:** For increased convenience, this feature is compatible with app-based control.
- **Effective LED Technology:** It maximizes brightness while using the least amount of power thanks to its 156 lumens per watt efficiency.

SETUP GUIDE

- **Unpack and Inspect:** Before installing, make sure all parts are present and undamaged.
- **Choose the Installation Site:** Pick an area that receives at least five to six hours of direct sunlight each day.
- **Mounting Option 1: Wall/Outdoor Surface:** For a secure installation, use the wall anchors and screws included with the product.
- **Mounting Option 2: Post, Porch, or Tabletop:** Secure using the included bracket, making sure it is stable.
- **Modify the Solar Panel:** To optimize the solar panel's absorption of sunlight, rotate it.
- **Modify the Light Holder:** For best coverage, position the light at the ideal angle.
- **Turn on the Light:** Hold down the push button for three seconds.

- **Choose Lighting Mode:** To switch between Motion Sensor (1400LM) and Dim Light Mode (330LM), press the button once more.
- **Test the Motion Sensor:** To make sure it is functioning correctly, walk 15 to 26 feet in front of the light.
- **Secure Mounting:** Tighten brackets and screws to stop them from moving in strong gusts.
- **Initial Charging:** Before using the light for the first time, let it charge in the sun for at least 6 to 8 hours.
- **Avoid Obstructions:** Make sure that sunlight exposure is not blocked by any shadows or obstacles, such as tree branches.
- **Look for Nearby Light Sources:** To keep the photocell sensor from failing, place it far from other bright lights.
- **Verify Coverage Area:** To make sure there is enough lighting, go around the perimeter (40–56 sq ft).
- **Safeguard the Battery Compartment:** When changing the battery, make sure the compartment is adequately sealed to prevent leaks.



CARE & MAINTENANCE

- **Frequent Cleaning:** To get rid of dust and dirt, wipe the solar panel and light lens every two to four weeks.
- **Verify for Water Accumulation:** Even though the lamp is IP66 waterproof, make sure there isn't any surplus moisture surrounding it.
- **Examine for Physical Damage:** Keep an eye out for any loose screws, rust, or cracks.
- **Make Sure Sunlight Is Unobstructed:** Cut back any tree branches or other objects that are obstructing the sun's rays.
- **Steer Clear of Harsh Cleaners:** Avoid harsh chemical cleaners and instead clean with a moist cloth and mild soap.

- **Test Motion Sensor Occasionally:** Walk past the light once every few months to ensure the motion sensor is still working.
- **Charge While Not in Use:** Make sure to charge the light at least once every month if you plan to store it for an extended period of time.
- **Replace Battery When Needed:** If the light isn't charging, you might need to get a new lithium-ion battery.
- **Adjust for Seasonal Changes:** Reposition the solar panel to maximize sunlight absorption by adjusting the angle as seasons change.
- **Secure Mounting:** Make sure the brackets and screws are snug, particularly after strong winds or storms.
- **Look for Software/App Updates:** If using the app control function, update it regularly to get the newest features.
- **Avoid Water Immersion:** Despite being waterproof, avoid exposing it to prolonged water submersion.
- **Use in the Ideal Temperature Range:** For best results, keep the temperature between -30°F and 120°F.
- **Verify Proper Electrical Contact:** If the light flickers, remove any rust on the battery terminals.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Light not turning on	Insufficient sunlight for charging	Place in direct sunlight for at least 6-8 hours
Motion sensor not working	Obstruction blocking the sensor	Ensure there are no obstacles in front of the sensor
Dim light output	Battery charge too low	Allow the solar panel to receive full sunlight during the day
Light turns off too quickly	Short battery life due to overuse	Reduce activation frequency by repositioning the sensor
Flickering light	Loose connections or faulty LED	Check wiring and ensure LED components are secure
Water damage or moisture inside	Poor installation or heavy rainfall exposure	Ensure the light is mounted in a well-drained area
Sensor triggers randomly	Nearby moving objects (trees, animals)	Adjust sensor angle to reduce false activations
Light stays on continuously	Sensor malfunction or strong nearby light	Reset the sensor and check for other light sources
Not charging during the day	Dirty solar panel	Clean the solar panel regularly with a soft cloth
Weak brightness at night	Aging battery	Replace the lithium-ion battery if performance declines

PROS & CONS

PROS	CONS
High brightness (1400 lumens) for enhanced visibility	Limited battery life in low sunlight conditions
Motion sensor up to 26 ft. for added security	Requires direct sunlight for optimal charging
Multi-angle adjustability for precise lighting control	Not compatible with all smart home systems
Energy-efficient with solar power	No color temperature adjustment
Durable and weather-resistant design	Fixed brightness level (no dimming option)

WARRANTY

The DrawGreen DG08 comes with a 100-week (nearly 2 years) 100% free replacement guarantee. If any quality issues arise, the manufacturer offers free replacement, ensuring a risk-free purchase and long-term reliability.

FREQUENTLY ASKED QUESTIONS

How bright is the DrawGreen DG08 Motion Sensor Solar Light?

This light has an impressive brightness of 1400 lumens, making it suitable for illuminating areas of 40-56 square feet.

What is the control method for the DrawGreen DG08 Motion Sensor Solar Light?

The DrawGreen DG08 can be controlled via an app and has a push-button switch for manual operation.

What is the power source for the DrawGreen DG08 Motion Sensor Solar Light?

It operates using a rechargeable Lithium-Ion battery powered by solar energy.

How does the motion sensor work on the DrawGreen DG08 Motion Sensor Solar Light?

The motion sensor activates when movement is detected within 26 feet, automatically turning on the light for security purposes.

What is the wattage of the DrawGreen DG08 Motion Sensor Solar Light?

It operates at 9 watts, ensuring high efficiency and power savings.

What is the lifespan of the battery in the DrawGreen DG08 Motion Sensor Solar Light?

The Lithium-Ion battery has an average lifespan of 9000 hours.

Why is my DrawGreen DG08 Motion Sensor Solar Light not turning on?

Ensure that the solar panel is receiving enough sunlight, check the battery charge, and verify that the push-button switch is turned on.

What should I do if the DrawGreen DG08 Motion Sensor Solar Light is too dim?

The battery may be low. Place the light in direct sunlight for a full charge or check if the lens is obstructed by dirt or debris.

VIDEO – PRODUCT OVERVIEW



<https://www.references.plus/wp-content/uploads/2025/03/DrawGreen-DG08-Motion-Sensor-Solar-Light-Instruction-Manual.mp4>

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