

## Sunforce 82182

# Sunforce 82182 Solar Powered Security Motion Sensor LED Light

## Instruction Manual

### INTRODUCTION

Thank you for choosing the Sunforce 82182 Solar Powered Security Motion Sensor LED Light. This product is designed to provide reliable, energy-efficient lighting and enhanced security for your home, garden, or garage. Utilizing solar power, it offers a sustainable lighting solution without the need for complex wiring or external power sources. This manual will guide you through the installation, operation, and maintenance of your new security light.

### SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Do not attempt to disassemble or modify the product. This may void the warranty and cause damage.
- Ensure the mounting surface is stable and can support the weight of the light fixture.
- Keep the solar panel clean to ensure optimal charging efficiency.
- Dispose of batteries according to local regulations.

### PACKAGE CONTENTS

Please verify that all components are present before beginning installation:

- 1 x Sunforce 1800 Lumens Solar Security Motion Light
- 1 x Solar Panel with 14.7 ft. (4.5m) of wire
- 2 x Lithium-ion rechargeable batteries (1800 mAh, 3.7V) (pre-installed or included separately)
- Mounting Hardware (screws, anchors)



Image: The Sunforce 82182 solar security light unit and its separate solar panel, illustrating the main components included in the package.

## PRODUCT FEATURES

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- **High Brightness:** 1800 Lumens output with 5000K cool white LEDs for powerful illumination.
- **Motion Activated:** Detects motion up to 30 ft. (9.1m) with a 180-degree detection range.
- **Solar Powered:** Amorphous solar panel charges in all daylight conditions, eliminating the need for direct sunlight or electrical wiring.
- **Adjustable Lamp Heads:** Innovative design allows side lamp heads to pivot vertically and horizontally, and the middle piece to move up and down for maximum lighting coverage.
- **Weather-Resistant:** Fully weather-resistant construction suitable for outdoor use in various conditions.
- **Versatile Installation:** Ideal for entryways, garages, pathways, sheds, and remote areas.

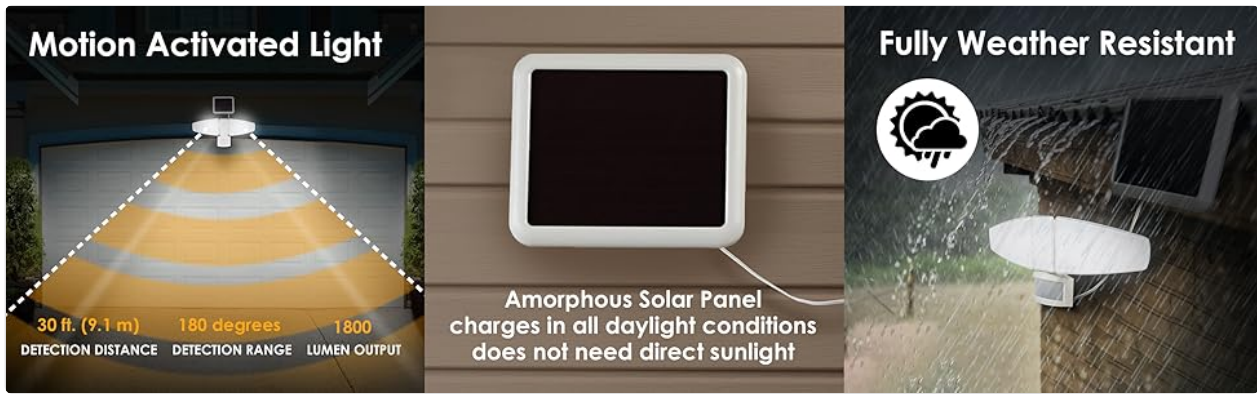


Image: A visual summary highlighting key features: motion activation with detection range, the amorphous solar panel's ability to charge in all daylight, and the light's fully weather-resistant design.

## SETUP AND INSTALLATION

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The Sunforce 82182 light is designed for easy installation without the need for main power or complex wiring.

### 1. Choosing a Location

Select a location for the light fixture that provides adequate coverage for the desired area. For optimal solar panel performance, choose a spot where the solar panel can receive maximum daylight exposure throughout the day. While the amorphous panel charges in all daylight conditions, direct sunlight will yield the best results.

### 2. Mounting the Light Fixture

1. Using the provided mounting hardware, securely attach the light fixture to a wall or desired surface. Ensure it is mounted at a height that allows for effective motion detection and light distribution.
2. Connect the solar panel wire to the light fixture. The 14.7 ft. (4.5m) wire provides flexibility for solar panel placement.



Image: The Sunforce 82182 security light mounted above a garage door, demonstrating a typical installation scenario for outdoor security lighting.

### 3. Adjusting Lamp Heads

The light features adjustable lamp heads to customize the lighting coverage:

- The side lamp heads can pivot **horizontally** to direct light left or right.
- The side lamp heads can also pivot **vertically** to direct light up or down.
- The central light panel can move **up and down** to further refine the light spread.

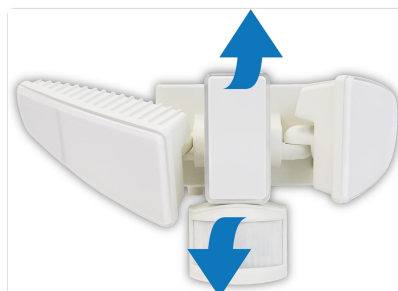


Image: Illustration showing the horizontal adjustment capability of the light's side lamp heads, indicated by blue arrows.



Image: Illustration showing the vertical adjustment capability of the light's side lamp heads, indicated by blue arrows.

## OPERATING INSTRUCTIONS

The Sunforce 82182 is designed for automatic operation.

### Automatic Operation

Once installed and charged, the light will automatically turn on when motion is detected within its 30 ft. (9.1m) detection distance and 180-degree detection range. The light will remain on as long as motion is detected and will turn off after a period of no motion, conserving battery life.

### Initial Charge

For optimal performance, allow the solar panel to charge the internal batteries for at least 24-48 hours in daylight before first use. This ensures the batteries are fully charged and ready for operation.

## MAINTENANCE

Regular maintenance will help ensure the longevity and optimal performance of your solar security light.

- **Cleaning the Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Cleaning the Light Fixture:** Clean the LED light heads and motion sensor lens with a soft, damp cloth as needed to maintain brightness and sensor sensitivity.
- **Battery Care:** The included Lithium-ion batteries are designed for long life. If the light's performance significantly diminishes over time, it may indicate the batteries are reaching the end of their lifespan and may need replacement. Use only compatible rechargeable batteries.

## TROUBLESHOOTING

If your Sunforce 82182 light is not functioning as expected, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charge.	Ensure the solar panel is placed in an area receiving maximum daylight. Allow 24-48 hours for initial charge.
Light is dim or stays on for a short duration.	Batteries are not fully charged or are at the end of their life.	Clean the solar panel. Ensure adequate charging time. Consider replacing the rechargeable batteries if they are old.

Problem	Possible Cause	Solution
Motion sensor is not detecting movement.	Sensor is obstructed or dirty.	Clean the motion sensor lens. Ensure no objects are blocking the sensor's field of view.
Light turns on during the day.	Light sensor is obstructed or faulty.	Ensure no debris is covering the light sensor. If the issue persists, contact customer support.

## SPECIFICATIONS

Feature	Specification
Model Name	82182
Brand	Sunforce
Brightness	1800 Lumens
Light Color	Cool White (5000K)
Power Source	Solar Powered
Motion Detection Distance	30 ft. (9.1m)
Motion Detection Range	180 degrees
Batteries	2 x Lithium-ion rechargeable (1800 mAh, 3.7V)
Solar Panel Wire Length	14.7 ft. (4.5m)
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	White
Product Dimensions	22.04"L x 18.11"W x 8.46"H
Item Weight	3.39 pounds
Indoor/Outdoor Usage	Outdoor

## WARRANTY AND SUPPORT

The Sunforce 82182 Solar Powered Security Motion Sensor LED Light comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact Sunforce customer service. Keep your proof of purchase for warranty validation.

