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Philips 579706

Philips 180° White Solar Powered Motion Activated Outdoor Integrated LED Flood Light

Model: 579706

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Philips 180° White Solar Powered Motion Activated Outdoor Integrated LED Flood Light. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Philips Solar LED Outdoor Flood Light is designed to provide reliable outdoor security lighting. It features motion activation, a wide 180-degree detection angle, and a powerful 900 lumens output. Powered entirely by solar energy, it offers an eco-friendly and cost-effective lighting solution for various outdoor areas such as gardens, patios, driveways, and garages. Its robust design ensures water resistance with an IP44 rating, making it suitable for humid outdoor environments.



Image 1.1: The Philips 180° White Solar Powered Motion Activated Outdoor Integrated LED Flood Light shown with its retail packaging. The light unit and separate solar panel are visible.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure the product is installed in a location that receives adequate direct sunlight for optimal charging.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose safety risks.
- Keep the solar panel clean to ensure efficient energy absorption.
- Avoid direct eye exposure to the LED light when it is active.
- This product is designed for outdoor use and is IP44 rated for water resistance. However, avoid submerging it in water.
- Dispose of the product and its internal battery responsibly according to local regulations at the end of its lifespan.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Philips Solar Powered Motion Activated LED Flood Light Unit
- 1 x Solar Panel with connecting cable
- Mounting hardware (screws, wall anchors)
- User Manual (this document)



Image 3.1: The main light unit and the separate solar panel, which are the primary components of the package.

4. SETUP AND INSTALLATION

The Philips Solar LED Flood Light is designed for easy, wire-free installation. Follow these steps for optimal performance:

1. **Choose a Location:** Select an outdoor location for the light unit and solar panel.
 - For the solar panel, choose a spot that receives at least 6-8 hours of direct sunlight daily, especially during peak daylight hours. Avoid shaded areas.
 - For the light unit, select a wall or surface where the motion sensor can cover the desired detection area (up to 180° angle and 49ft range). Ensure it is mounted at a height that allows for effective motion detection and light distribution.
2. **Mount the Solar Panel:**
 - Using the provided mounting hardware, secure the solar panel to the chosen surface. Angle the panel slightly towards the sun for maximum exposure.
3. **Mount the Light Unit:**
 - Secure the light unit to the desired wall or mounting surface using the appropriate screws and wall anchors.
 - Ensure the motion sensor is facing the area you wish to monitor. The light unit is designed for wall mount installation.
4. **Connect the Solar Panel:**
 - Connect the cable from the solar panel to the input port on the light unit. Ensure the connection is secure and watertight.
5. **Initial Charge:** Allow the solar panel to charge the internal battery for at least 24-48 hours in direct sunlight before first use to ensure full battery capacity.



Image 4.1: A detailed view of the Philips LED Flood Light unit, showing the main light head and the adjustable motion sensor below.

5. OPERATING INSTRUCTIONS

Your Philips Solar LED Flood Light is equipped with advanced sensors for automatic operation.

5.1. Motion Sensor Functionality

- The built-in motion sensor has a 180° detection angle and a range of up to 49 feet (approximately 15 meters).
- When motion is detected within this range, the light will automatically turn on at full brightness (900 lumens).
- The light will remain on as long as motion is detected and for a short period after motion ceases.

5.2. Dusk-to-Dawn Sensor Functionality

- The integrated dusk-to-dawn sensor automatically detects ambient light levels.
- The light unit will only activate (via motion sensor) when it is dark enough outside. This conserves battery power during daylight hours.
- The light will automatically turn off at dawn.

No manual switches or adjustments are typically required for daily operation once installed correctly.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your solar flood light.

- **Cleaning the Solar Panel:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Cleaning the Light Unit:** Clean the light fixture and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery:** The product contains a Lithium Ion battery (included). This battery is designed for long life (up to 25,000 hours of LED life) and is not user-replaceable. If the light's performance significantly degrades over time, ensure the solar panel is clean and receiving adequate sunlight.
- **Environmental Conditions:** While weather-resistant (IP44), extreme weather conditions (e.g., heavy snow accumulation on the panel, prolonged periods of no sunlight) may affect performance.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none">• Insufficient solar charge.• Solar panel is dirty or obstructed.• Light sensor detects too much ambient light.	<ul style="list-style-type: none">• Ensure solar panel receives 6-8 hours of direct sunlight daily.• Clean the solar panel surface.• Relocate the light or solar panel away from other light sources (e.g., streetlights, windows).
Light stays on during the day.	<ul style="list-style-type: none">• Light sensor is obstructed or faulty.	<ul style="list-style-type: none">• Check for any obstructions covering the light sensor.• Ensure the light is not installed in a perpetually shaded area.
Motion sensor is not detecting movement.	<ul style="list-style-type: none">• Sensor range obstructed.• Sensor angle is incorrect.• Battery low.	<ul style="list-style-type: none">• Clear any obstacles in front of the sensor.• Adjust the angle of the motion sensor.• Allow the unit to charge for a full day in direct sunlight.
Light output is dim or inconsistent.	<ul style="list-style-type: none">• Insufficient charge.• Dirty solar panel.• Extreme cold weather affecting battery performance.	<ul style="list-style-type: none">• Ensure adequate sunlight exposure for charging.• Clean the solar panel.• Performance may be reduced in very low temperatures.

8. SPECIFICATIONS

Feature	Detail
Model Number	579706

Light Output	900 lumens
Detection Angle	180 degrees
Detection Range	Up to 49 feet (approx. 15 meters)
Power Source	Solar Powered
Battery Type	1 Lithium Ion battery (included)
Wattage	10 watts
Bulb Type	Integrated LED
LED Lifetime	Up to 25,000 hours
Material	Plastic
Color	White
Product Dimensions	23.29 x 19.98 x 16.51 cm (approx. 9.17 x 7.87 x 6.5 inches)
Item Weight	1.35 kg (approx. 2.98 lbs)
Ingress Protection (IP) Rating	IP44 (Certified for ingress protection against dust and water splashes)
Installation Method	Flush Mount, Wall Mount
Usage	Outdoor Security Lighting

9. WARRANTY AND SUPPORT

Warranty: This Philips Solar Powered Motion Activated Outdoor Integrated LED Flood Light comes with a 2-Year Manufacturer Warranty. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Philips customer support. Refer to the Philips official website or product packaging for the most current contact information.

Note: No official product videos from the seller were available in the provided data.