

## Philips 7601909053

# Philips 44W 4200 lm LED Security Light Outdoor with PIR Motion Sensor

Model: 7601909053



## 1. INTRODUCTION

---

Thank you for choosing the Philips 44W 4200 lm LED Security Light. This outdoor floodlight features a PIR motion sensor, 5000K daylight illumination, and two adjustable heads, designed to enhance security and provide efficient lighting for your outdoor spaces. This manual provides essential information for safe installation, operation, and maintenance of your new security light.



Image 1.1: Philips 44W 4200 lm LED Security Light and its packaging.

## 2. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and use. Retain this manual for future reference.

- **Electrical Safety:** Installation must be performed by a qualified electrician or a person with electrical knowledge. Ensure power is turned off at the circuit breaker before installation or servicing.
- **Grounding:** This fixture must be properly grounded to prevent potential electrical shock.
- **Voltage:** Ensure the power supply voltage matches the fixture's requirements (120 Volts).
- **Mounting:** Mount the fixture securely to a sturdy surface according to local electrical codes.
- **Heat:** Do not touch the light fixture immediately after operation as it may be hot.
- **Light Source:** Do not stare directly into the LED light source when illuminated.
- **Modifications:** Do not attempt to modify or repair the fixture. Any unauthorized modifications will void the warranty.
- **Outdoor Use:** This product is designed for outdoor use and is waterproof (IP65 rated). Ensure all connections are sealed to maintain water resistance.

## 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Philips LED Security Light Fixture (Integrated LED Lens)
- Mounting Hardware (Mounting Screws, Wire Nuts, Mounting Plate, Rubber Plug, Gasket)
- Instruction Manual



Image 3.1: Included accessories for installation.

## 4. PRODUCT FEATURES

The Philips LED Security Light is equipped with several features for optimal outdoor lighting:

- **High Brightness:** Emits 4200 lumens of 5000K daylight illumination.
- **Adjustable Heads:** Two adjustable light heads provide customizable coverage.
- **PIR Motion Sensor:** Detects motion with a 0-69ft sensing range and 180° induction angle.
- **Multiple Lighting Modes:** Offers Test Mode, Security Mode, Dusk-to-Dawn Mode, and Manual Override Mode.

- **Durable Construction:** Features an aluminum lamp material for durability and advanced heat dissipation.
- **Weatherproof:** IP65 rated for resistance against heavy rain, high humidity, UV exposure, and extreme temperatures.
- **Energy Efficient:** Integrated LED design reduces electricity costs by up to 80% compared to 220W incandescent fixtures.



*Image 4.1: Key features of the Philips LED Security Light.*

# Highly Sensitive Motion Sensor



Image 4.2: Motion sensor detection angle and range.

## 5. INSTALLATION

This fixture requires hardwiring. A junction box is not included. Recommended installation height is 8.2 feet.

### 5.1 Mounting Options

The security light can be installed in two ways:

- **Wall Mounted:** Directly on a vertical wall surface.
- **Eave Mounted:** Under an eave or soffit. Note: Eave installation may slightly reduce the sensing range.



Image 5.1: Eave mounted and wall mounted installation examples.

## 5.2 Installation Steps

1. **Turn off Power:** Before starting, ensure the power to the installation area is turned off at the circuit breaker.
2. **Prepare Mounting Surface:** Secure the mounting plate to the desired surface using the provided mounting screws.
3. **Wire Connections:** Connect the fixture's wires to your household wiring (Live, Neutral, Ground) using the provided wire nuts. Ensure all connections are secure and properly insulated.
4. **Secure Fixture:** Attach the light fixture to the mounting plate, ensuring a tight seal with the gasket to maintain water resistance.
5. **Adjust Light Heads:** Position the two light heads to cover the desired area. The heads are adjustable up to 180 degrees.
6. **Restore Power:** Once installation is complete and secure, restore power at the circuit breaker.



Image 5.2: Easy installation steps for the security light.

## 6. OPERATING INSTRUCTIONS

The Philips LED Security Light offers four distinct operating modes and adjustable sensor settings.

### 6.1 Lighting Modes

The light can activate the following modes:

- **Test Mode:** Can be activated in both daytime and nighttime. Motion detected: light turns on for 5 seconds at 100% brightness. No motion: light stays off.
- **Security Mode:** Can only be activated in the nighttime. Motion detected: light turns on for 1, 3, or 10 minutes at 100% brightness (depending on setting). No motion: light stays off.
- **Dusk-to-Dawn Mode:** Can only be activated in the nighttime. At dusk: light turns on at 100% brightness. At dawn: light turns off.
- **Manual Override Mode:** Can be activated in both daytime and nighttime. Light stays on at 80% brightness for a maximum of 6 hours.

The infographic is titled "4 Lighting Modes" and features the Philips logo in the top right corner. It is divided into four quadrants, each representing a different lighting mode. Each quadrant contains two images of a house at night with the light on or off, and a corresponding icon and text describing the mode's behavior.

- Test mode:** Can be activated in both daytime and nighttime. No motion: stays off (0% brightness). Motion detected: auto on for 5 seconds (100% brightness).
- Sensor mode:** Can only be activated in the nighttime. No motion: stays off (0% brightness). Motion detected: auto on for 1/3/10 minutes (100% brightness).
- Dusk-to-dawn mode:** Can only be activated in the nighttime. At dawn: auto off (0% brightness). At dusk: auto on (100% brightness).
- Override mode:** can be activated in both daytime and nighttime. Override mode: always on with 80% brightness for 6 hour.

Image 6.1: Overview of the 4 lighting modes.

## 6.2 Activating/Deactivating Manual Override Mode

To activate the 6-hour long-lasting light mode:

- Switch the light **OFF** and **ON** 2 times within 3 seconds. The light will turn on at 100% brightness and automatically dim to 80% after 12 minutes.

To deactivate Manual Override Mode:

- Switch the light **OFF** and **ON** in more than 3 seconds. The light will return to sensor mode automatically after 6 hours if not manually deactivated.

**Override Mode**

**Activate sensor override mode**

Diagram 1: A light fixture is shown with a clock icon indicating a duration of **<3s**. Below the fixture, a sequence of four switch actions is shown: OFF, ON, OFF, ON. A checkmark is shown next to the second ON action, and an 'X' is shown next to the first OFF action. A note below states: *\*Switch on and off 2 times in 3 seconds to activate the 6-hour long-lasting light mode.*

Diagram 2: A light fixture is shown with a clock icon indicating a duration of **-12min-**. A note below states: *\* The brightness automatically dims from 100% to 80% after 12 minutes.*

**De-activate sensor override mode**

Diagram 3: A light fixture is shown with a clock icon indicating a duration of **>3s**. Below the fixture, a sequence of two switch actions is shown: OFF, ON. A checkmark is shown next to the ON action, and an 'X' is shown next to the OFF action. A note below states: *\* Switch off and on in more than 3 seconds to de-activate sensor override mode.*

Diagram 4: A light fixture is shown with a clock icon indicating a duration of **>6hrs**. A note below states: *\* Turn to sensor mode automatically after 6 hours.*

Image 6.2: Activating and deactivating Override Mode.

### 6.3 Adjusting Sensor Settings

The PIR motion sensor has adjustable settings for sensing range and activated lighting time. These controls are typically located on the underside of the sensor unit.

- **Distance (Sensing Range):**
  - **L (Low):** 0-20 ft
  - **M (Medium):** 0-39 ft
  - **H (High):** 0-69 ft
- **Time (Activated Lighting Time):**
  - **1 MIN:** Light stays on for 1 minute after motion stops.

- **3 MIN:** Light stays on for 3 minutes after motion stops.
- **10 MIN:** Light stays on for 10 minutes after motion stops.

# Adjustable Sensing Range




Sensing range	Activated lighting time
L=0-20ft	1 minute
M=0-39ft	3 minutes
H=0-69ft	10 minutes

Image 6.3: Sensor adjustment dials for distance and time.

## 7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Philips LED Security Light.

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or wear. If any issues are found, disconnect power and consult a qualified electrician.
- **LEDs:** The integrated LED light source is designed for long life and is not replaceable. Do not attempt to open the light heads.
- **Sensor Lens:** Keep the motion sensor lens clean and free from obstructions (e.g., dirt, spiderwebs) to ensure accurate detection.

## 8. TROUBLESHOOTING

If you experience issues with your security light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power; faulty wiring; sensor obstructed; incorrect mode.	Check circuit breaker. Verify wiring connections. Clear sensor lens. Ensure correct operating mode is selected.
Light stays on continuously.	Manual Override Mode active; constant motion detected; sensor malfunction.	Deactivate Manual Override Mode (refer to Section 6.2). Adjust sensor sensitivity/range. Check for constant heat sources or movement in sensor's field of view.
Light turns on for no apparent reason.	Sensor too sensitive; environmental factors (wind, animals, car headlights).	Reduce sensor sensitivity/range. Reposition sensor to avoid unwanted triggers.
Light flickers or dims unexpectedly.	Loose wiring; power fluctuations; fixture defect.	Check wiring connections. Consult an electrician if power fluctuations are suspected. If problem persists, contact customer support.
Motion sensor range is poor.	Sensor setting too low; obstruction; improper mounting height.	Increase sensor sensitivity/range. Clear any obstructions. Ensure mounting height is within recommended range.

## 9. SPECIFICATIONS

Feature	Detail
Brand	Philips
Model Number	7601909053
Power Source	Corded Electric
Voltage	120 Volts
Wattage	44 Watts
Brightness	4200 Lumens
Color Temperature	5000 Kelvin (Daylight)
Light Source Type	LED (Integrated)
Motion Sensor	PIR (Passive Infrared)
Sensing Range	0-69 ft (Adjustable)

Feature	Detail
Induction Angle	180°
Material	Aluminum, Plastic
Finish Type	Powder Coated
Water Resistance Level	Waterproof (IP65)
Product Dimensions	6.69"L x 9.05"W x 9.45"H
Item Weight	2.23 pounds
Special Features	Anti-Rust, Energy Efficient, Foldable, Motion Sensor, Waterproof
Assembly Required	Yes

## 10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Philips Lighting website. Keep your proof of purchase for warranty claims.

Philips LED products are designed for reliability and performance. If you encounter any issues not covered in this manual, please contact Philips customer service for assistance.

