

LUTEC 7622216012

LUTEC 29.5W PIR LED Security Light User Manual

Model: 7622216012

1. INTRODUCTION

Thank you for choosing the LUTEC 29.5W PIR LED Security Light. This manual provides essential information for the safe installation, operation, and maintenance of your new security light. Please read this manual thoroughly before installation and keep it for future reference.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when installing and operating electrical equipment. Failure to do so may result in fire, electric shock, or serious injury.

- Ensure the power supply is disconnected at the main circuit breaker before installation or maintenance.
- Installation should be performed by a qualified electrician in accordance with all local electrical codes.
- Do not attempt to modify the light fixture.
- Avoid looking directly into the LED light source when illuminated, as it may cause eye strain or damage.
- This product is designed for outdoor use. Ensure all connections are waterproofed appropriately.
- For information on light bulb recycling and clean-up, please refer to relevant local guidelines.

3. PRODUCT OVERVIEW

The LUTEC 29.5W PIR LED Security Light is a high-performance outdoor lighting solution featuring integrated twin LED heads and a passive infrared (PIR) motion sensor. It provides bright, energy-efficient illumination for various outdoor areas.

Key Features:

- **Energy Saving:** 29.5W LED units output 2000 Lumens of 5000K (daylight white) brightness, equivalent to a 300W

incandescent bulb.

- **Motion-Activated:** A wide sensing angle of 110 degrees detects motion up to 49ft (15m) away.
- **Adjustable Lighting Time:** Offers 1 minute, 3 minutes, or 10 minutes of illumination after motion detection.
- **Adjustable Dual Heads:** 110° adjustable heads allow for customizable coverage.
- **Durable Construction:** Made from aluminium, suitable for outdoor environments.



Figure 3.1: Front view of the LUTEC 29.5W PIR LED Security Light with adjustable twin heads and motion sensor.

29.5W 28*2 LEDS



3000LUMEN COLOR TEMP

Figure 3.2: Illustration showing the wide light coverage and brightness of the 29.5W LED security light.

MOTION SENSOR

110° sensing angle, max 49ft sensing range



Tips: Turns on at night only when motion is detected, deactivates during daylight hours.

Figure 3.3: Depiction of the motion sensor's 110-degree sensing angle and maximum 49ft detection range in an outdoor setting.

4. INSTALLATION AND SETUP

This security light is designed for wall mounting. Ensure the mounting surface is stable and can support the weight of the fixture.

4.1 Mounting the Fixture

1. Turn off power at the circuit breaker.
2. Carefully remove the mounting bracket from the fixture.
3. Mark and drill holes for the mounting bracket on the desired wall location.
4. Secure the mounting bracket to the wall using appropriate screws and anchors.
5. Connect the electrical wires (Live, Neutral, Earth) from your household wiring to the corresponding terminals on the fixture. Ensure all connections are secure and insulated.

6. Attach the light fixture to the mounted bracket, ensuring it is securely fastened.

4.2 Adjusting Light Heads and Sensor

- The two LED light heads can be independently adjusted to direct illumination to your desired areas.
- The PIR motion sensor can also be angled to optimize its detection range and coverage. Aim it towards the area where motion detection is most critical.

4.3 Setting the Time Duration

The security light features a time adjustment dial, typically located on the underside or side of the sensor unit. This dial allows you to set how long the light remains on after motion is detected.



Figure 4.1: Close-up of the time adjustment dial, offering settings for 1 minute, 3 minutes, and 10 minutes, plus a 'TEST' mode. Available settings:

- **1 MIN:** Light stays on for approximately 1 minute.

- **3 MIN:** Light stays on for approximately 3 minutes.
- **10 MIN:** Light stays on for approximately 10 minutes.
- **TEST:** For initial setup and testing the sensor's range. In this mode, the light will turn on for a short period (e.g., a few seconds) each time motion is detected, regardless of ambient light.

Rotate the dial to select your preferred duration. The light will only activate at night when motion is detected and will deactivate during daylight hours.

5. OPERATION

Once installed and configured, the LUTEC security light operates automatically based on its motion sensor and ambient light conditions.

- During daylight hours, the light will remain off, conserving energy.
- As dusk approaches and ambient light levels drop, the sensor becomes active.
- When motion is detected within the sensor's range (up to 49ft and 110° angle), the LED lights will illuminate for the pre-set duration (1, 3, or 10 minutes).
- If motion continues to be detected, the light will remain on or re-trigger, extending the illumination period.

6. MAINTENANCE

The LUTEC LED Security Light requires minimal maintenance.

- **Cleaning:** Periodically wipe the fixture with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **LEDs:** The LED units are integrated and designed for long life. They are not user-replaceable.
- **Sensor:** Keep the motion sensor lens clean and free from obstructions (e.g., spiderwebs, leaves) to ensure optimal performance.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on at night when motion is detected.	• No power supply. • Sensor obstructed or misaligned. • Ambient light too high (sensor thinks it's daytime). • Sensor malfunction.	• Check circuit breaker and wiring connections. • Clear any obstructions from the sensor lens. Adjust sensor angle. • Ensure the light is installed in a dark area. • If issues persist, contact customer support.

Problem	Possible Cause	Solution
Light stays on continuously or turns on randomly.	• Sensor detecting constant motion (e.g., moving branches, traffic). • Sensor sensitivity too high (if adjustable, though this model does not specify sensitivity adjustment). • Electrical fault.	• Adjust the sensor angle to exclude unwanted motion sources. • Ensure the light is not exposed to strong winds causing movement. • If flickering or random activation persists, try resetting by turning off power at the breaker for a few minutes, then restoring. If problem continues, contact support.
Light flickers or turns off prematurely.	• Loose wiring connection. • Power fluctuations. • Internal component issue.	• Turn off power and check all wiring connections. • Ensure stable power supply. • If flickering persists, this may indicate an internal fault. Contact customer support.

If the problem persists after attempting these solutions, please contact LUTEC customer support for further assistance.

8. SPECIFICATIONS

Detailed technical specifications for the LUTEC 29.5W PIR LED Security Light:

Specification	Value
Brand	LUTEC
Model Number	7622216012
Product Dimensions	23 x 17 x 16 cm
Item Weight	920 g
Colour	Black
Material	Aluminium
Number of Lights	2 (Twin Heads)
Voltage	110 Volts
Wattage	29.5 watts
Luminous Flux	2000 Lumens
Colour Temperature	5000K (Daylight White)
Type of Bulb	Integrated LED
Special Features	Motion Sensor (PIR)
Motion Sensor Angle	110 degrees

Specification	Value
Motion Sensor Range	Up to 49 ft (15 m)
Lighting Time Settings	1 minute, 3 minutes, 10 minutes
Switch Installation Type	Wall Mount
Energy Efficiency Class	A
Weighted Energy Consumption	30 kWh/1000h

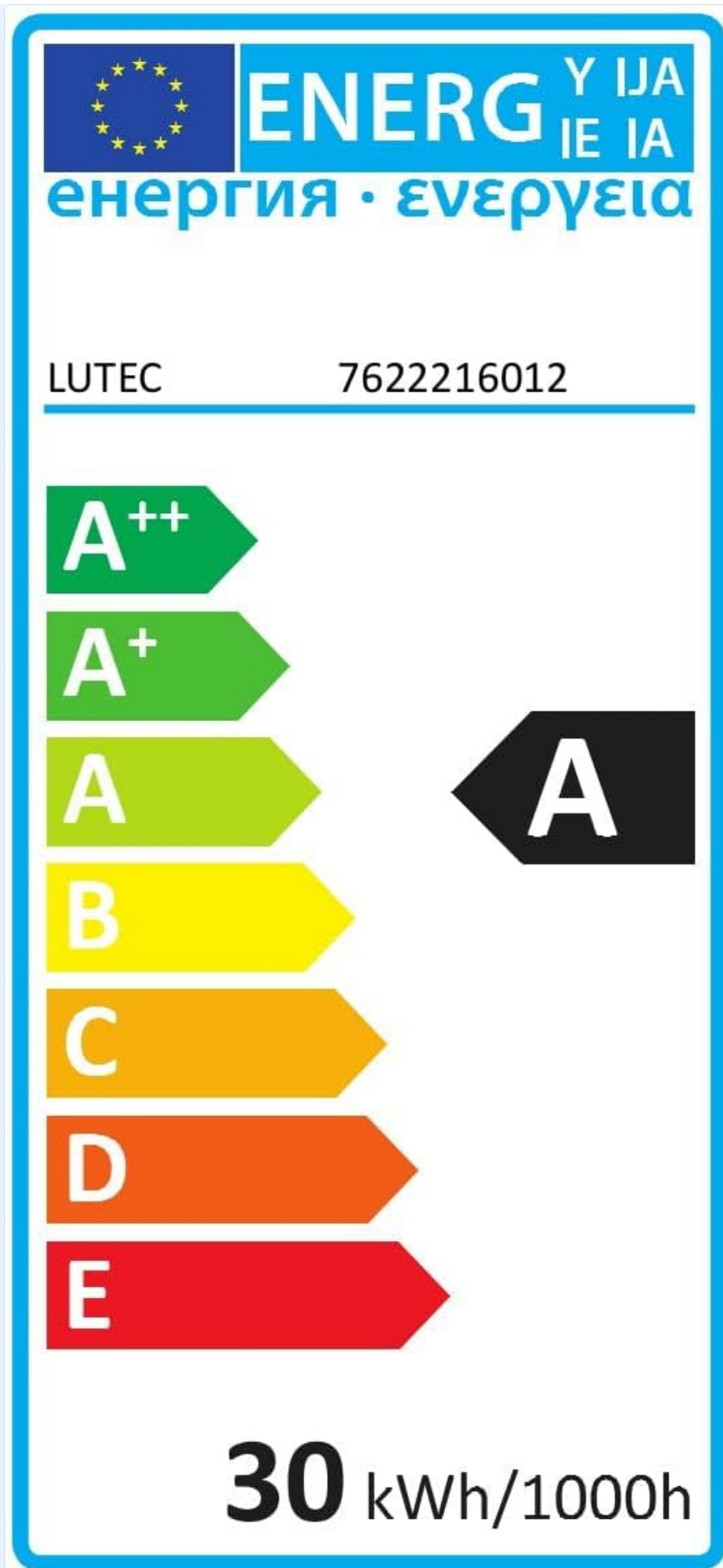


Figure 8.1: Energy efficiency label for LUTEC Model 7622216012, indicating an 'A' class rating and 30 kWh/1000h consumption.

9. WARRANTY AND SUPPORT

LUTEC stands behind the quality of its products.

- This product comes with a **3-year warranty** from the date of purchase, covering defects in materials and workmanship.
- For any inquiries, technical assistance, or warranty claims, please contact LUTEC customer service. We provide **7x24 hour after-sales service** to ensure your satisfaction.
- Easy and fast replacement or refund for quality problems are guaranteed within the warranty period.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question