LUTEC 80W 9000LM LED Security Lights (3 Pack)

LUTEC 80W 9000LM LED Security Lights User Manual

Model: 80W 9000LM LED Security Lights (3 Pack)

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your LUTEC 80W 9000LM LED Security Lights. Please read this manual thoroughly before installation and retain it for future reference. Proper installation and adherence to these instructions will ensure optimal performance and longevity of your security lights.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing and operating electrical equipment to reduce the risk of fire, electric shock, and personal injury.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- Installation must be performed by a qualified electrician or a person with electrical experience.
- Ensure the supply voltage is correct for the fixture. Connect the fixture to a 120V, 60Hz power source.
- Do not install on surfaces that are easily flammable.
- Avoid looking directly into the LED light source when illuminated, as it may cause eye damage.
- Ensure all connections are secure and properly insulated.
- This product is designed for outdoor use and is IP65 rated for protection against dust and water jets.

3. PRODUCT OVERVIEW AND FEATURES

The LUTEC 80W 9000LM LED Security Light is a high-performance outdoor lighting solution designed for enhanced security and illumination. It features a robust design and advanced motion sensing capabilities.

Key Features:

- **High Brightness:** 80W power output delivering 9000 lumens of 5000K daylight illumination.
- **Adjustable Heads:** Four independently adjustable LED heads for wide and uniform light distribution.
- **Wide Coverage:** Illuminates up to 2,370 sq. ft.

- **Energy Efficient:** Achieves over 88% energy savings compared to traditional halogen bulbs.
- **Advanced Motion Sensor:** 180° detection angle with a range of up to 69 feet.
- **Multiple Lighting Modes:** Offers Motion-activated, Always-on with Motion, 6-hour Manual Override, and Test modes.
- **Durable Construction:** IP65 waterproof rating and robust aluminum housing for all-weather performance.

Image: Three LUTEC 80W 9000LM LED Security Lights. Each unit features four adjustable LED heads and a motion sensor, designed for outdoor security lighting.

Image: An installed LUTEC security light providing bright illumination over a garage and driveway. The image emphasizes the light's 9000 lumens and 5000K daylight color temperature, indicating powerful and clear lighting.
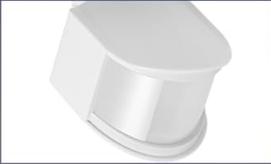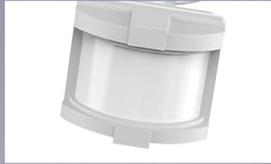
Image: A visual comparison highlighting the superior features of the LUTEC 4-head flood light, including higher lumen output, wider detection angle, more illuminated surfaces, more heads, and a larger light range compared to a typical 2-head flood light.

4. SETUP AND INSTALLATION

Before beginning installation, ensure you have all necessary tools and components. This fixture requires hardwiring to an electrical junction box (not included).

Package Contents:

- LUTEC 80W 9000LM LED Security Light fixture(s)
- Mounting hardware (screws, wire nuts)
- Waterproof gasket
- Instruction Manual (this document)

Recommended Tools (Not Included):

- Phillips head screwdriver
- Wire strippers
- Pliers
- Electrical tape

- Safety glasses
- Ladder (if installing at height)

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker controlling the outdoor lighting circuit and turn it OFF. Verify power is off using a voltage tester.

2. **Prepare Mounting Surface:** Ensure the mounting surface is clean, dry, and structurally sound. The fixture is designed to be mounted on a standard electrical junction box.

3. **Attach Mounting Plate:** Secure the mounting plate to the junction box using the provided screws. Ensure the waterproof gasket is properly seated between the mounting plate and the junction box to prevent water ingress.

4. **Wire Connections:**

   - Connect the **black** wire from the fixture to the **black** (live) wire from the junction box.
   - Connect the **white** wire from the fixture to the **white** (neutral) wire from the junction box.
   - Connect the **green** or bare copper wire from the fixture to the **green** or bare copper (ground) wire from the junction box.
   - Secure all connections with wire nuts and electrical tape.

5. **Mount the Fixture:** Carefully align the fixture with the mounting plate and secure it with the provided screws. Ensure a tight seal to maintain the IP65 rating.

6. **Adjust Light Heads and Sensor:** Once mounted, adjust the four LED light heads to cover the desired illumination area. Position the motion sensor for optimal detection coverage (180° detection angle, up to 69 feet range). The recommended installation height is approximately 8.2 feet for optimal sensor performance.

7. **Restore Power:** Turn the power back ON at the circuit breaker.

Easy to Install

11.81 in

5.00 in

7.87 in

4.37 in

2.28"

3.66"

Mounting base diameter: 4.37 inch
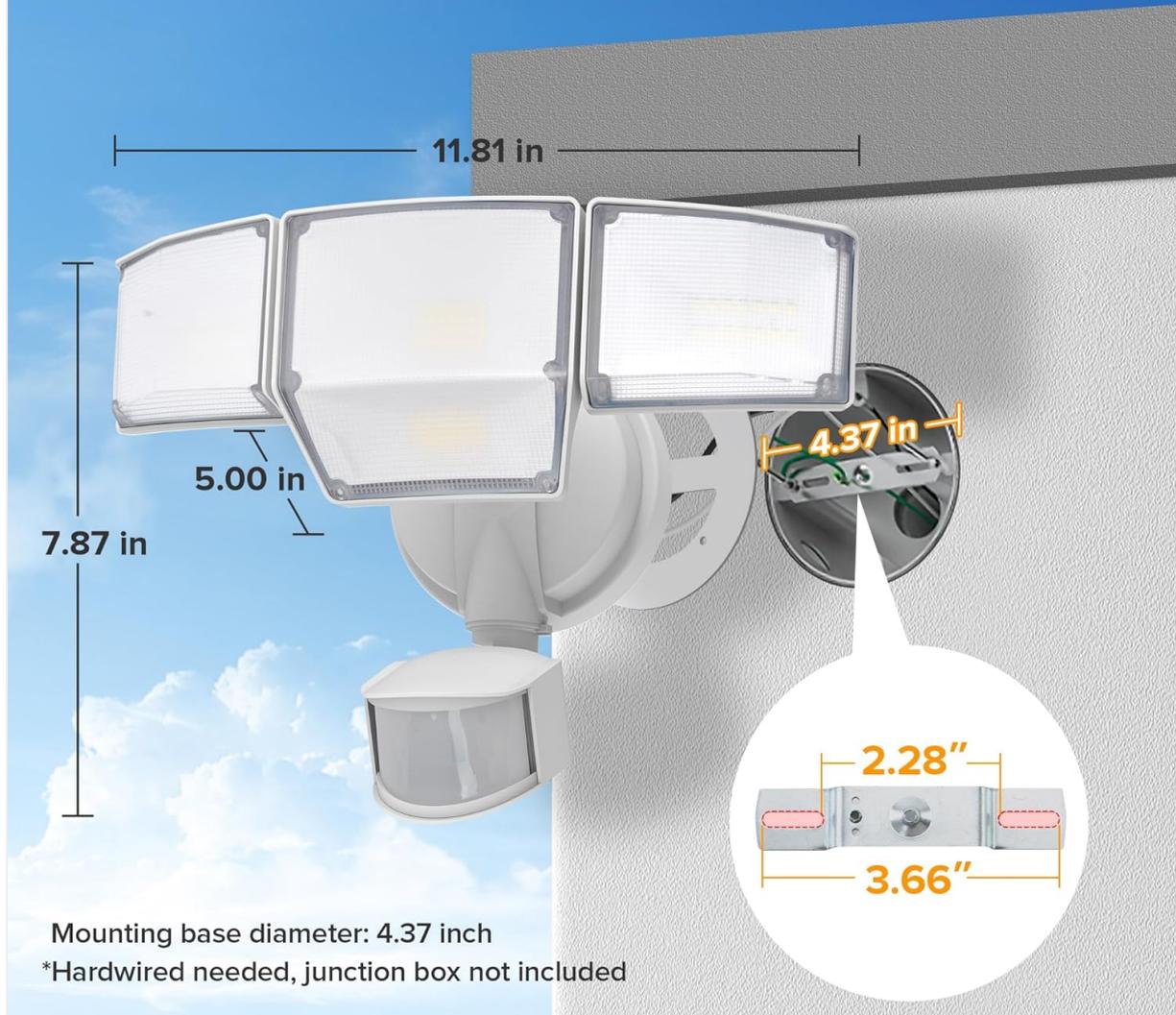*Hardwired needed, junction box not included

Image: Detailed dimensions of the LUTEC security light, including overall width, height, light head depth, mounting arm depth, and mounting base diameter with screw spacing. This aids in planning the installation.

Image: The LUTEC security light operating effectively in rainy conditions, demonstrating its IP65 waterproof capability. The image also illustrates the included waterproof gasket and its resistance to various weather elements like rain, snow, and wind.

5. OPERATING INSTRUCTIONS

The LUTEC security light offers four distinct operating modes, selectable via a switch or control mechanism (refer to your specific model's physical controls if not detailed here). The motion sensor is highly sensitive, detecting movement up to 69 feet away within a 180° angle.
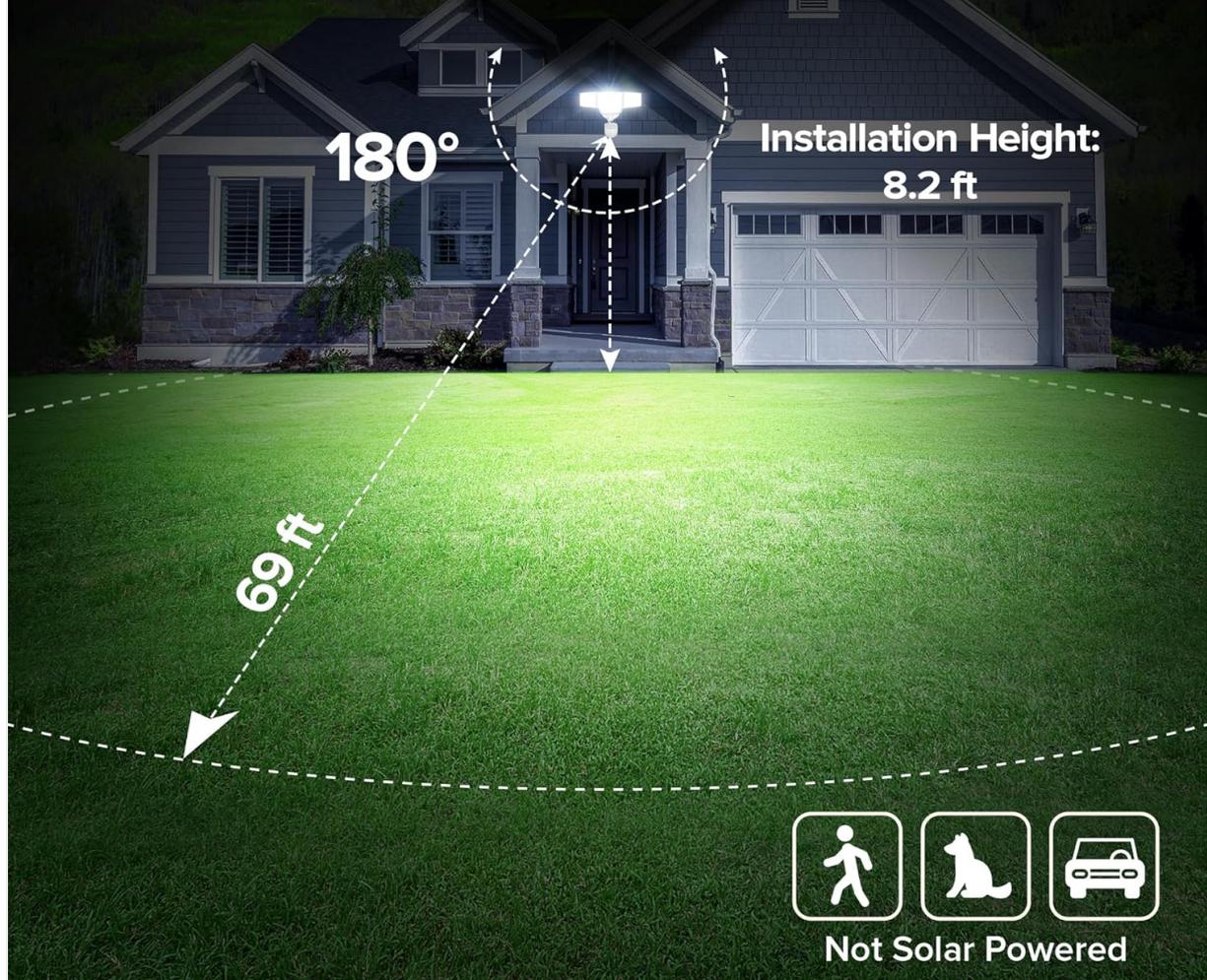
Image: An illustration of the motion sensor's capabilities, showing its 180-degree detection angle and 69-foot range. It also indicates that the sensor detects people, vehicles, and animals, with an optimal installation height of 8.2 feet.

Lighting Modes:

Image: Visual representation of the three primary lighting modes: Motion Sensor Mode, Dusk to Dawn Mode, and Manual Override Mode, detailing their operational characteristics and brightness levels.

1. **Motion Sensor Mode:**
   In this mode, the light remains off during the day. At night, it will activate to 100% brightness when motion is detected. The light will turn off automatically after a set duration (typically 30 seconds to several minutes, depending on internal settings) once motion ceases.

2. **Dusk to Dawn Mode (with Motion Activation):**
   The light automatically turns on at dusk at a reduced brightness level (e.g., 20%). It will remain at this brightness until dawn. If motion is detected during the night, the light will temporarily switch to 100% brightness and then return to 20% brightness after motion stops.

3. **Manual Override Mode (6-hour Constant On):**
   This mode allows the light to stay on at 100% brightness for a continuous period of 6 hours, regardless of day or night or motion detection. This is useful for extended periods of activity in the illuminated area.

4. **Test Mode:**
   Used during installation to verify sensor functionality and light coverage. In this mode, the light will turn on for a short period (e.g., 5-10 seconds) every time motion is detected, regardless of ambient light levels. This allows for quick adjustments of the sensor and light heads.

To switch between modes, refer to the control dial or switch located on the fixture's motion sensor unit.

Typically, cycling the power switch quickly can also change modes.

6. Maintenance

The LUTEC LED Security Light is designed for minimal maintenance. However, periodic cleaning and inspection can help ensure optimal performance and longevity.

- **Cleaning:**
  Clean the fixture and motion sensor lens periodically with a soft, damp cloth. Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these can damage the finish or sensor. Ensure power is off before cleaning.

- **Inspection:**
  Periodically inspect the fixture for any signs of damage, loose wiring, or wear. Check that the mounting screws are tight and the waterproof gasket is intact. If any damage is observed, disconnect power and consult a qualified electrician.

- **LEDs:**
  The LED light source is integrated and not user-replaceable. Do not attempt to open the LED heads.

7. Troubleshooting

If your LUTEC LED Security Light is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	- No power supply. - Incorrect wiring. - Sensor settings incorrect (e.g., set to "OFF" or "Test" mode). - Ambient light too high (if in motion sensor mode).	- Check circuit breaker and wall switch. - Verify wiring connections (refer to Installation Steps). - Adjust sensor settings. - Wait for ambient light to decrease or test in a darker environment.
Light stays on continuously.	- Sensor detecting constant motion. - Fixture set to Manual Override Mode. - Sensor sensitivity too high. - Wiring issue.	- Clear obstructions from sensor's field of view. - Switch to Motion Sensor or Dusk to Dawn mode. - Reduce sensor sensitivity. - Check wiring.
Light flashes or flickers.	- Loose wiring connection. - Power fluctuations. - Faulty fixture.	- Turn off power and check all wire connections. - Consult an electrician to check power supply. - Contact customer support if issue persists.

Problem	Possible Cause	Solution
Motion sensor not detecting.	• Sensor obstructed or dirty. • Sensor sensitivity too low. • Incorrect installation height or angle. • Ambient temperature too high (can affect PIR sensors).	• Clean sensor lens, remove obstructions. • Increase sensor sensitivity. • Adjust sensor angle and verify installation height (approx. 8.2 ft). • Test during cooler periods if possible.

8. SPECIFICATIONS

Feature	Detail
Brand	LUTEC
Model	80W 9000LM LED Security Lights (3 Pack)
Power Consumption	80W
Lumen Output	9000 Lumens
Color Temperature	5000K Daylight
Illumination Coverage	Up to 2,370 sq. ft.
Motion Sensor Detection Angle	180°
Motion Sensor Detection Distance	Up to 69 feet
IP Rating	IP65 (Waterproof and Dustproof)
Energy Savings	Over 88% compared to traditional halogen bulbs
Input Voltage	120V, 60Hz (Standard North American)
Material	Durable Aluminum Housing
Dimensions (Approx.)	Width: 11.81 in, Height: 7.87 in, Depth (max): 5.00 in
Mounting Base Diameter	4.37 in

9. WARRANTY AND SUPPORT

LUTEC is committed to providing high-quality products and excellent customer service.

- **Warranty:** This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official LUTEC website for detailed warranty terms and conditions.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact LUTEC customer service. We provide 24/7 after-sales service to assist you with any issues.
- **Contact Information:** Please refer to the contact details provided on the product packaging or the official LUTEC website.

Related Documents

[LUTEC 7632802053/7632802012 Wet Location Installation Guide](#)

This document provides installation instructions for the LUTEC 7632802053/7632802012 wet location light fixture. It includes safety warnings and step-by-step assembly guidance.

[LUTEC #7632801053/7632801012 Wet Location Motion Sensor Light Installation and Operation Manual](#)

This manual provides comprehensive instructions for the LUTEC #7632801053/7632801012 outdoor wet location motion sensor light, covering installation, operation modes, safety warnings, and service information.

[LUTEC 7621101053 Wet Location Flood Light Installation and Operation Manual](#)

This manual provides instructions for the installation, operation, and maintenance of the LUTEC 7621101053 Wet Location Flood Light. It covers safety precautions, mode settings, and troubleshooting.

[LUTEC 6941502330 Cuba Smart Solar Motion Sensor Outdoor LED Light - User Manual](#)

Comprehensive user manual for the LUTEC 6941502330 Cuba smart solar LED outdoor light with motion sensor. Learn about installation, setup, app control, and safety instructions.