

LUTEC P6221W-PIR24

LUTEC P6221W-PIR24 Motion Activated Dual-Head Floodlight Instruction Manual

Model: P6221W-PIR24

1. INTRODUCTION

Thank you for choosing the LUTEC P6221W-PIR24 Motion Activated Dual-Head Floodlight. This manual provides essential information for the safe installation, operation, and maintenance of your new security light. Please read these instructions carefully before installation and retain them for future reference.

This floodlight features two adjustable LED light heads, an integrated motion sensor, and is designed for outdoor use, providing 2000 lumens of bright, 5200K daylight white light with 18 watts of power consumption.



Image 1.1: Two LUTEC P6221W-PIR24 dual-head floodlights, showcasing the product's design and dual light heads.

2. SAFETY INFORMATION

- **Electrical Safety:** Always turn off power at the circuit breaker before installing, servicing, or cleaning the fixture. Consult a qualified electrician if you are unsure about wiring procedures.
- **Grounding:** Ensure the fixture is properly grounded to avoid potential electrical shock.
- **Outdoor Use:** This product is rated IP54 for outdoor use and is waterproof. However, ensure all connections are sealed properly to prevent water ingress.
- **Heat:** LED lights can generate heat. Do not touch the fixture immediately after operation.
- **Eye Safety:** Do not stare directly into the LED light source when illuminated, as it may cause eye strain or damage.
- **Installation Height:** For optimal motion detection, install the light at a recommended height of approximately 8.2 feet (2.5 meters).

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LUTEC P6221W-PIR24 Dual-Head Floodlight (2 units)
- Wire connectors (2 x 18AWG)
- Outlet Box Screws (2)
- Mounting Bracket (1)
- Fixture Screws (2)
- Rubber Stopper (1)
- Gasket (1)



Image 3.1: Diagram illustrating the various components included in the package, such as wire connectors, screws, mounting bracket, rubber stopper, and gasket.

4. SETUP AND INSTALLATION

Follow these steps for proper installation:

1. **Turn Off Power:** Before starting, ensure the power to the installation area is turned off at the circuit breaker.
2. **Mounting Bracket Installation:** Secure the mounting bracket to the wall or junction box using the provided outlet box screws. Ensure it is firmly attached.
3. **Wiring:** Connect the floodlight's wires to your household wiring. Typically, this involves connecting the black wire (live) to black, white wire (neutral) to white, and the ground wire to ground. Use the provided wire connectors and ensure all connections are secure.
4. **Fixture Attachment:** Carefully align the floodlight fixture with the mounting bracket and secure it using the fixture screws. Ensure the gasket is properly seated to maintain the waterproof seal.
5. **Adjust Light Heads and Sensor:** The dual light heads and the motion sensor are adjustable. Position them to cover your desired area. The light heads can be rotated 360 degrees, and the sensor can be angled for optimal detection.
6. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.



Image 4.1: A person using a screwdriver to secure the floodlight during installation, demonstrating the final mounting step.

ADJUSTABLE DESIGN



Image 4.2: A diagram illustrating the adjustable design of the floodlight, with arrows indicating the rotational movement of the light heads and motion sensor for customizable coverage.

MOTION SENSOR SECURITY LIGHT

110° Sensing Angle, Max 50 ft Sensing Range
Recommended Installation Height: 8.2ft

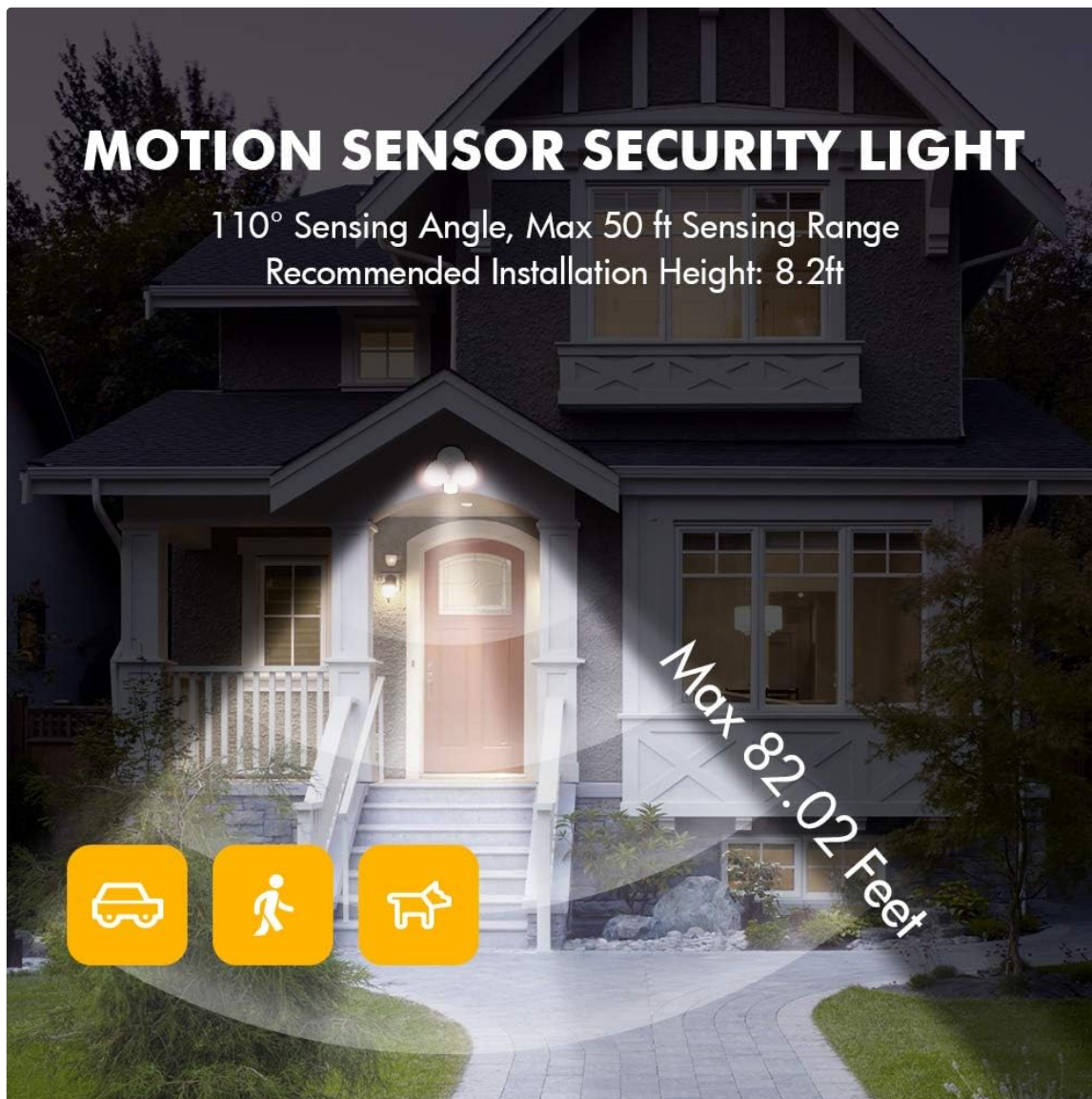


Image 4.3: The floodlight installed above a house entryway, demonstrating its motion sensor capabilities with a 110-degree sensing angle and a maximum range of 50 feet. The image also highlights the recommended installation height of 8.2 feet for optimal performance.

5. OPERATING INSTRUCTIONS

The LUTEC P6221W-PIR24 floodlight is designed for automatic operation based on motion detection.

Motion Sensor Settings

The motion sensor has a 110-degree sensing angle and can detect motion up to 50 feet (approximately 15 meters) away. The duration for which the light stays on after motion detection can be adjusted using the switch located on the motion sensor unit.



Image 5.1: A close-up view of the motion sensor's adjustment switch, showing options for setting the light duration to 1 minute, 3 minutes, 10 minutes, or a 'TEST' mode.

- **TEST Mode:** Use this setting during installation to verify the sensor's coverage area. The light will turn on for a short period each time motion is detected.
- **1 MIN:** The light will remain on for approximately 1 minute after motion is no longer detected.
- **3 MIN:** The light will remain on for approximately 3 minutes after motion is no longer detected.
- **10 MIN:** The light will remain on for approximately 10 minutes after motion is no longer detected.



Image 5.2: The floodlight illuminating a backyard at night, visually representing the adjustable lighting durations of 1,

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your floodlight.

- **Cleaning:** Periodically clean the light heads and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.
- **Waterproof Seal:** Check the integrity of the waterproof seals, especially around the mounting area, to prevent water intrusion.



Image 6.1: The LUTEC floodlight installed on an exterior wall, shown with rain falling, emphasizing its waterproof design suitable for various outdoor applications.

7. TROUBLESHOOTING

If you encounter issues with your floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Loose wiring connection. Sensor not detecting motion.	Check circuit breaker. Verify all wire connections are secure (power off first). Adjust sensor angle or test sensitivity.
Light stays on continuously.	Continuous motion in detection zone. Sensor setting incorrect.	Clear obstructions or adjust sensor angle. Check the time setting on the sensor (e.g., ensure it's not stuck in TEST mode).
Light turns on for no apparent reason.	Sensor detecting small animals, moving branches, or heat sources.	Adjust sensor angle to exclude unwanted detection areas.
Light flickers or dims.	Unstable power supply. Loose connection.	Consult an electrician to check power supply. Verify all wire connections are secure (power off first).

8. SPECIFICATIONS

- **Model:** P6221W-PIR24
- **Brand:** LUTEC
- **Power Consumption:** 18 Watts
- **Brightness:** 2000 Lumens
- **Color Temperature:** 5200K Daylight White
- **Light Source Type:** LED
- **Voltage:** 120 Volts (AC)
- **Motion Sensor:** 110° sensing angle, up to 50 feet (15 meters) detection range
- **Adjustable Lighting Time:** 1 min, 3 min, 10 min
- **Water Resistance:** IP54, Waterproof
- **Material:** Plastic
- **Mounting Type:** Wall Mount
- **Dimensions (W x D x H):** 10.28" x 5.59" x 7.24" (26.1 cm x 14.2 cm x 18.4 cm)

- **Item Weight:** 1.83 pounds (0.83 kg)



Image 8.1: A visual representation of the floodlight's key specifications, including its dimensions (W:10.28", D:5.59", H:7.24"), super bright 2000 lumen output, and 5200K color temperature.

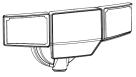
9. WARRANTY AND SUPPORT

LUTEC provides high-quality after-sales service. If you encounter any issues or have questions regarding your P6221W-PIR24 floodlight, please contact LUTEC customer support. We are available 7 days a week, 24 hours a day to assist you.

For support, please visit the official LUTEC website or refer to the contact information provided with your product packaging.

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LUTEC
LED FLOODLIGHT
Owners Manual
MODEL #7632814012/7632814053



IMPORTANT:
RETAIN FOR FUTURE REFERENCE:
READ CAREFULLY

[LUTEC LED Floodlight Owners Manual](#)

Owners manual for the LUTEC LED Floodlight, Model #7632814012/7632814053. Includes safety information, package contents, hardware contents, installation instructions, care and maintenance, troubleshooting, and warranty information.