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LUTEC P6221B

LUTEC P6221B LED Dual-Head Floodlight User Manual

Model: P6221B | Brand: LUTEC

1. INTRODUCTION

Thank you for choosing the LUTEC P6221B LED Dual-Head Floodlight. This manual provides essential information for the safe installation, operation, and maintenance of your new outdoor security light. Please read these instructions thoroughly before installation and retain them for future reference.



Appropriate brightness for your yard

18W is very energy-saving,
reducing **unnecessary waste**



Image 1.1: The LUTEC P6221B Floodlight provides 2000 lumens of bright, 5200K daylight white light for outdoor areas.

2. SAFETY INFORMATION

- Always turn off the power at the circuit breaker before installing, servicing, or cleaning the fixture.
- Consult a qualified electrician if you are unsure about the installation process.
- Ensure all electrical connections are made in accordance with local codes and ordinances.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety hazards.
- This fixture is designed for outdoor use and is waterproof. However, ensure all seals and connections are secure during installation to maintain its waterproof integrity.
- Avoid looking directly into the LED light source when illuminated, as it may cause eye strain or damage.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.



Image 3.1: Included components for installation.

- 1x LUTEC P6221B Dual-Head Floodlight Fixture
- 2x 18AWG Wire Connectors
- 2x Outlet Box Screws
- 1x Mounting Bracket
- 1x Fixture Screw
- 1x Rubber Stopper
- 1x Gasket (essential for waterproof seal)



Image 3.2: The included gasket ensures the fixture's waterproof rating.

4. PRODUCT FEATURES

- **Adjustable Dual Light Heads:** The two light heads can be rotated 360° to customize the illumination area, making it ideal for dark, secluded areas, walkways, and entryways.
- **Super Bright Illumination:** Delivers 2000 Lumens of high brightness at a 5200K Daylight White color temperature with only 18W power consumption.
- **Durable and Weatherproof:** Constructed from plastic with excellent UV resistance and flame-retardant properties. Its waterproof rating ensures reliable performance in various outdoor conditions.
- **Efficient Heat Dissipation:** Features multiple cooling ribs to increase contact area with air, ensuring efficient heat dissipation and extending the lifespan of the LED lamps.
- **Reflective Structures:** Designed with reflective structures for enhanced long-distance irradiation and

stronger brightness.



Image 4.1: The adjustable design allows for flexible light direction.

50000+ HRS LIFESPAN

Excellent heat dissipation
Greatly improves the life of lamps



Multiple cooling ribs
Increase the contact area with air



Others' cooling ribs

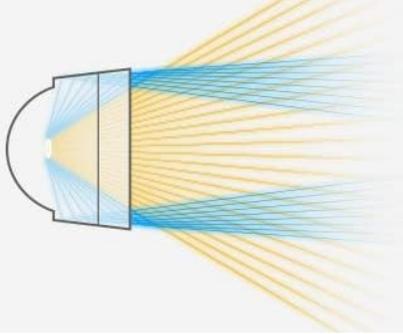
Image 4.2: Multiple cooling ribs ensure a long lifespan.

REFLECTIVE STRUCTURES

WITH DESIGN OF REFLECTIVE STRUCTURES, IT WILL BE AVAILABLE FOR MORE LONG-DISTANCE IRRADIATION AND STRONGER BRIGHTNESS.



WITH LIGHTS REFLECTOR



WITHOUT LIGHTS REFLECTOR

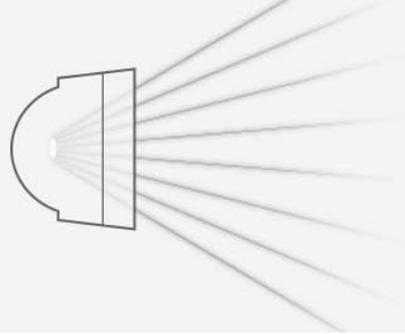


Image 4.3: Reflective structures enhance light projection.



Image 4.4: UV resistant and flame retardant construction.

5. SETUP AND INSTALLATION

This hardwired LED outdoor security light is designed for simple wall-mount installation. Follow these steps carefully:

1. **Prepare the Installation Area:** Ensure the power is turned off at the circuit breaker before starting. Identify a suitable wall-mount location, preferably an existing electrical box.
2. **Mount the Bracket:** Attach the provided mounting bracket to the electrical box using the outlet box screws.
3. **Wire Connections:** Connect the fixture's wires to your household wiring. Typically, black to black (live), white to white (neutral), and green/bare copper to green/bare copper (ground). Use the provided wire connectors and ensure connections are secure. A helpful tip is to use a wire coat hanger to temporarily hang the fixture from the outlet box/mounting bracket while making the wire connections.
4. **Secure the Fixture:** Carefully push the connected wires into the electrical box. Align the fixture with the mounting bracket and secure it with the fixture screw. Ensure the gasket is properly seated between the fixture and the mounting surface to maintain the waterproof seal.

5. **Adjust Light Heads:** Once secured, adjust the dual light heads to your desired angles to cover the intended area.
6. **Restore Power:** Turn the power back on at the circuit breaker.



Image 5.1: Simple installation by mounting to a wall.

Your browser does not support the video tag.

Video 5.1: This video provides an overview of floodlights, including installation tips and features relevant to the LUTEC P6221B model.

6. OPERATING INSTRUCTIONS

The LUTEC P6221B Floodlight is switch-controlled. Once properly installed and wired to a standard wall switch, operation is straightforward:

- **Turning On/Off:** Use the connected wall switch to turn the floodlight on or off.
- **Adjusting Light Direction:** The dual light heads can be manually adjusted to direct light precisely where needed. Gently pivot each light head to achieve the desired coverage.

7. MAINTENANCE

The LUTEC P6221B Floodlight requires minimal maintenance due to its durable construction and LED technology.

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents, as these may damage the finish or electrical components.
- **Inspection:** Annually inspect the fixture for any signs of damage, loose connections, or wear. Ensure the waterproof seals remain intact.
- **LEDs:** The integrated LED light source is designed for long-term use and is not user-replaceable.



Image 7.1: The waterproof design simplifies outdoor maintenance.

8. TROUBLESHOOTING

If you encounter issues with your LUTEC P6221B Floodlight, refer to the following common troubleshooting steps:

- **Light Not Turning On:**
 - Check the circuit breaker to ensure power is supplied to the fixture.
 - Verify that the wall switch is in the 'ON' position.
 - Inspect wiring connections for any looseness or corrosion (ensure power is off before inspecting).
- **Light Flickering:**
 - Ensure all electrical connections are secure.
 - Check for voltage fluctuations in your electrical system.
- **Reduced Brightness:**
 - Clean the light heads to remove any accumulated dirt or debris.
 - Ensure the fixture is receiving adequate power (120 Volts).

If these steps do not resolve the issue, please contact LUTEC customer service for further assistance.

9. SPECIFICATIONS

Feature	Specification
Brand	LUTEC
Model	P6221B
Color	Black
Material	Plastic
Style	Modern
Light Fixture Form	Floodlight
Product Dimensions	4.13"L x 6.89"W x 7.68"H
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric
Installation Type	Wall Mount
Special Feature	Waterproof
Control Method	Switch Controlled (Push Button)
Light Source Type	LED
Voltage	120 Volts
Light Color	Cool White
Shape	Dual Head
Wattage	18 watts
Brightness	2000 Lumen
Color Temperature	5200 Kelvin
Item Weight	1.17 pounds

10. WARRANTY AND SUPPORT

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

- **After-Sales Service:** We offer 24/7 after-sales service. Please contact us if any issue arises with your product.
- **Spare Part Availability:** EU spare parts are available for a duration of 5 years.

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

