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LUTEC 2500LM 32W 28LED

LUTEC 2500 Lumen 32 Watt LED Dual-Head Flood Light Instruction Manual

Model: 2500LM 32W 28LED

INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your LUTEC 2500 Lumen 32 Watt LED Dual-Head Flood Light. Please read this manual thoroughly before installation and retain it for future reference.



Image: Front view of the LUTEC Dual-Head Flood Light, showing its two adjustable light heads.

SAFETY INFORMATION

Always follow basic safety precautions when installing or working with electrical fixtures to reduce the risk of fire, electric shock, and personal injury.

- Turn off power at the circuit breaker or fuse box before installation or servicing.
- 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 install on surfaces that are not structurally sound.
- This fixture is designed for outdoor use and is rated IP54 waterproof.
- Do not look directly into the LED light source when illuminated.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LUTEC Dual-Head Flood Light (1)
- Mounting Hardware (screws, wire nuts)
- Instruction Manual (this document)

SPECIFICATIONS

Brand	LUTEC	
Model Number	2500LM 32W 28LED	
Power Consumption	32 Watts	
Brightness	2500 Lumens	
Color Temperature	5000 Kelvin (Daylight White)	
Voltage	120 Volts	
Material	Aluminum + Polycarbonate	
Dimensions (L x W x H)	9.29" x 6.14" x 4.6"	
Water Resistance Level	IP54 (Waterproof)	
Lifespan	50,000+ Hours	
Installation Type	Wall Mounted	
Special Features	Dusk-To-Dawn, Adjustable Heads	

SETUP AND INSTALLATION

1. Pre-Installation

- 1. **Turn off power:** Ensure the power to the installation area is turned off at the circuit breaker or fuse
- 2. **Select Location:** Choose a suitable outdoor wall location for mounting. The fixture should be mounted on a sturdy surface.
- 3. Prepare Wiring: Ensure existing wiring is accessible and meets local electrical codes.

2. Mounting the Fixture

- 1. Remove the mounting plate from the back of the flood light fixture.
- 2. Position the mounting plate against the wall where the fixture will be installed. Mark the drill holes.
- 3. Drill pilot holes at the marked locations.
- 4. Secure the mounting plate to the wall using the provided screws.



Image: A person using a screwdriver to secure the flood light base to a brick wall during installation.

3. Wiring Connections

- 5. Connect the household ground wire (usually bare copper or green) to the fixture's ground wire.
- 6. Connect the household white wire (neutral) to the fixture's white wire.
- 7. Connect the household black wire (live) to the fixture's black wire.
- 8. Secure all connections with wire nuts and ensure they are tightly sealed.

4. Final Assembly and Adjustment

- 9. Carefully tuck all wires into the junction box.
- 10. Attach the flood light fixture to the mounting plate, ensuring a secure fit.
- 11. Adjust the dual light heads to cover the desired area. The heads are 360° adjustable.



Image: The flood light with arrows illustrating the 360-degree adjustability of its dual light heads.

OPERATING INSTRUCTIONS

Dusk-to-Dawn Functionality

This LUTEC flood light is equipped with a built-in photocell sensor for automatic dusk-to-dawn operation. Once power is restored to the fixture:

- At dusk, the light will automatically turn on at full brightness.
- The light will remain on throughout the night.
- At dawn, the light will automatically turn off.



Image: Visual representation of the dusk-to-dawn function, showing the light off during the day and on at night.

Ensure the photocell sensor is not obstructed by objects or other light sources, as this may interfere with its proper operation.

SOLID MATERIAL: ALUMINIUM+PC

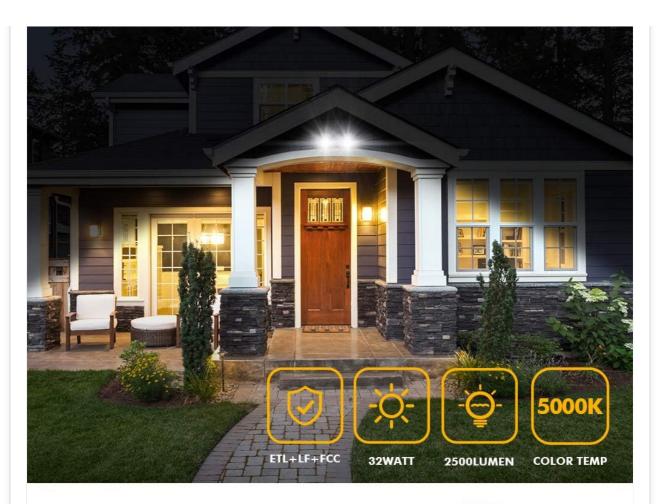


Image: The flood light actively illuminating an outdoor area at night, demonstrating its 2500 lumen brightness and 5000K color temperature.

MAINTENANCE

The LUTEC flood light is designed for minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or corrosion. Address any issues promptly.
- **Photocell Sensor:** Keep the photocell sensor clean and free from obstructions to ensure proper dusk-to-dawn operation.



SUPER BRIGHTNESS FOR YOUR PATIC

32W PROVIDES 2500 LUMENS HIGH BRIGHTNESS.



Image: The flood light functioning during rainfall, highlighting its IP54 waterproof rating for wet locations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	 Power is off. Photocell sensor is obstructed or receiving too much light. Loose wiring connection. 	 Check circuit breaker/fuse. Clear obstructions from the sensor; ensure no other light source is shining on it. Verify all wiring connections are secure (turn off power first).
Light stays on during the day.	Photocell sensor is obstructed or dirty.Sensor malfunction.	 Clean the photocell sensor; remove any obstructions. Contact customer support if the issue persists.

Light flickers or dims.

- Unstable power supply.
- Loose wiring connection.
- Fixture damage.
- · Consult an electrician to check power supply.
- Verify all wiring connections are secure (turn off power first).
- Contact customer support.

WARRANTY AND SUPPORT

LUTEC provides a **3-Year Warranty** for this product, covering defects in materials and workmanship from the date of purchase. If you encounter any issues or require technical assistance, please contact LUTEC customer support.

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

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Related Documents - 2500LM 32W 28LED



LUTEC

LUTEC 6988804012 Solar Wall Lantern: Owner's Manual & Installation Guide

Comprehensive owner's manual and installation guide for the LUTEC 6988804012 Solar Wall Lantern. Learn about package contents, safety, installation, operation modes, battery replacement, maintenance, and troubleshooting.

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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

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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.

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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.

LED FLOODLIGHT Owners Manual MODEL #P6221BIP6221W



IMPORTANT, ETAIN FOR FUTURE REFERENCE: READ CAREFULLY

LUTEC P6221B/P6221W LED Floodlight Owners Manual and Installation Guide

Comprehensive owners manual for LUTEC P6221B and P6221W LED Floodlights. Includes safety warnings, installation steps, troubleshooting, and 3-year limited warranty information.



LUTEC Stag Series LED Lighting User Manual and Installation Guide

Comprehensive user manual and installation guide for the LUTEC Stag Series LED lighting, featuring technical specifications, safety instructions, app setup, and Bluetooth mesh technology.