

## 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**

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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**

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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 box.
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.



**IP54  
WATERPROOF**

**WET LOCATION**

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.



# ADJUSTABLE DESIGN



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**

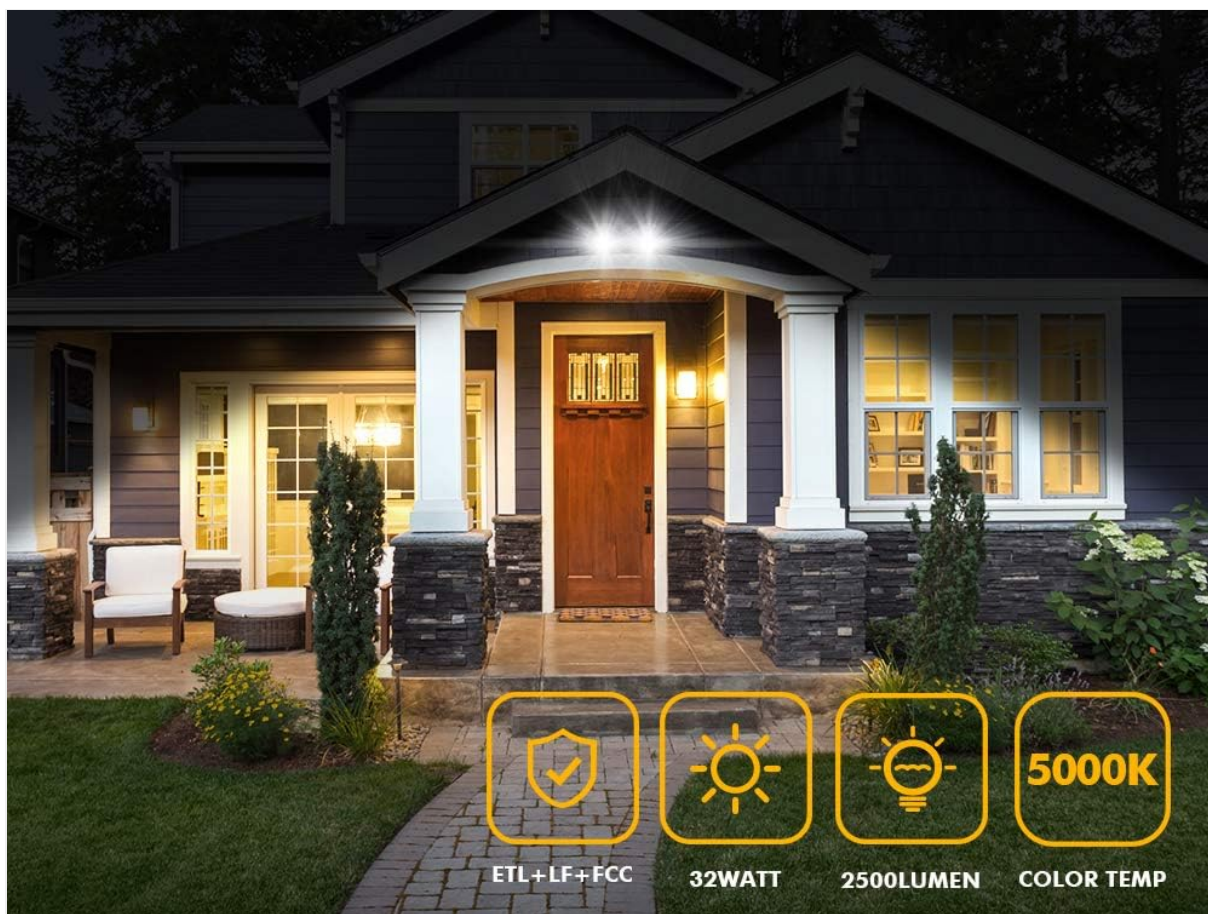


Image: The flood light actively illuminating an outdoor area at night, demonstrating its 2500 lumen brightness and 5000K color temperature.

## 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.



ETL+LF+FCC



32WATT



2500LUMEN



COLOR TEMP

**SUPER BRIGHTNESS FOR YOUR PATIO**  
**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.	<ul style="list-style-type: none"><li>Power is off.</li><li>Photocell sensor is obstructed or receiving too much light.</li><li>Loose wiring connection.</li></ul>	<ul style="list-style-type: none"><li>Check circuit breaker/fuse.</li><li>Clear obstructions from the sensor; ensure no other light source is shining on it.</li><li>Verify all wiring connections are secure (turn off power first).</li></ul>
Light stays on during the day.	<ul style="list-style-type: none"><li>Photocell sensor is obstructed or dirty.</li><li>Sensor malfunction.</li></ul>	<ul style="list-style-type: none"><li>Clean the photocell sensor; remove any obstructions.</li><li>Contact customer support if the issue persists.</li></ul>





