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ledmo 1801

ledmo LED 120W Wall Pack Light with Photocell Instruction Manual

Model: 1801

Introduction

Thank you for choosing the ledmo LED 120W Wall Pack Light with Photocell. This high-performance outdoor lighting fixture is designed to provide bright, energy-efficient illumination for commercial and residential applications. Featuring a built-in dusk-to-dawn photocell, it automatically adjusts operation based on ambient light levels. This manual provides detailed instructions for safe installation, operation, and maintenance to ensure optimal performance and longevity of your wall pack light.

Important Safety Information

Please read all instructions carefully before installation and use. Retain this manual for future reference.

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with national and local electrical codes. Ensure power is disconnected at the circuit breaker before installation or servicing.
- **Grounding:** The fixture must be properly grounded to prevent electrical shock.
- **Voltage:** Verify that the supply voltage is compatible with the fixture's requirements (AC100-277V).
- **Handling:** Do not handle the fixture with wet hands. Avoid looking directly into the LED light source when illuminated, as it can cause eye strain.
- **Mounting:** Mount the fixture securely to a stable surface capable of supporting its weight.

Product Overview

The ledmo LED 120W Wall Pack Light is engineered for durability and high performance, offering superior illumination and energy savings.

Key Features:

- **Super Bright Output:** 120W LED provides 15840 lumens of 5000K cool white light, ideal for outdoor security, wall perimeter, garages, large backyards, commercial loading bays, warehouses, apartment complexes, hotels, and office buildings. Recommended for mounting heights from 8-20ft.
- **Energy Saving Photocell:** Built-in dusk-to-dawn photocell sensor automatically turns the light ON at sundown/night and OFF at sunrise/daytime, reducing energy consumption.

- **Durable Construction:** Features a die-casting aluminum housing with a commercial-grade power coat bronze finish and an impact-resistant tempered glass lens. IP65 rated for waterproof and damp location use.
- **Long Lifespan:** Designed for a 50,000-hour lifespan, ensuring years of reliable operation.
- **Easy Installation:** Includes a hands-free wiring mounting bracket and a detachable mounting plate that fits most standard junction boxes, allowing for surface mounting and conduit wiring.

Product Components:



Figure 1: Overview of the ledmo 120W LED Wall Pack Light.



Figure 2: Detailed dimensions and key features including voltage, efficacy, lifetime, and beam angle.

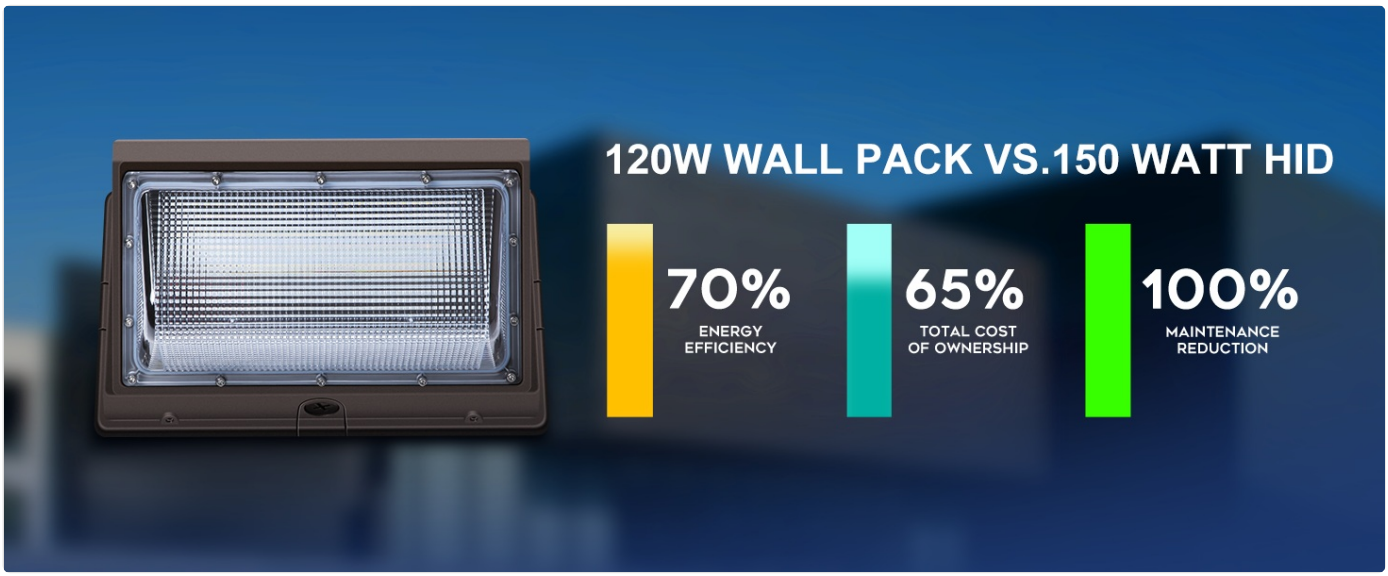


Figure 3: Example installation of ledmo LED Wall Pack Lights on a commercial building.

Specifications

Feature	Specification
Brand	ledmo
Model Number	1801
Wattage	120 Watts
Brightness	15840 Lumens
Color Temperature	5000K (Cool White)
Voltage	100-277 Volts
Material	Aluminum, Plastic, Polycarbonate
Ingress Protection (IP) Rating	IP65 (Waterproof)
Lifespan	50,000 Hours
Control Method	Photocell (Dusk to Dawn)
Dimensions (L x W x H)	11.85" x 6.69" x 6.3"
Item Weight	5.5 pounds
Included Components	LED wall pack, Mounting Hardware

Setup and Installation

Before you begin: Ensure the power supply is turned OFF at the circuit breaker. Always wear appropriate safety gear.

1. **Prepare Mounting Surface:** Select a suitable wall or surface that can securely support the fixture's weight. The fixture can be direct wall mounted or conduit mounted.
2. **Access Wiring Compartment:** The fixture is designed with a hands-free wiring mounting bracket. Carefully open the fixture to access the wiring compartment. Note that some units may not have quick disconnects between the two halves, requiring careful handling during installation.
3. **Mount the Backplate:** Use the detachable mounting plate to mark and drill holes on your chosen surface. Secure the mounting plate firmly. If no pre-drilled holes are present, you may need to drill them yourself in the designated areas on the backplate.
4. **Wiring:** Connect the electrical wires (Live, Neutral, Ground) from your power supply to the corresponding wires on the fixture. Ensure all connections are secure and insulated.
5. **Secure the Fixture:** Once wiring is complete, close and secure the fixture to the mounting plate. Ensure all screws are tightened to maintain the IP65 waterproof rating.
6. **Test Operation:** Restore power at the circuit breaker and test the light.



Figure 4: Installation options for the ledmo LED Wall Pack Light, including direct wall mount and conduit mount.



Figure 5: An installed ledmo wall pack light providing illumination.

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Video 1: A short demonstration highlighting the ease of installation for the ledmo wall pack light.

Operating Instructions

The ledmo LED Wall Pack Light is equipped with an integrated photocell sensor for automatic dusk-to-dawn operation.

- **Automatic Operation:** The photocell sensor detects ambient light levels. The light will automatically turn ON when it gets dark (dusk) and turn OFF when it becomes bright (dawn).
- **No Manual Intervention:** Once installed and powered, no manual switching is required for daily operation.



Figure 6: Illustration of the photocell's dusk-to-dawn functionality, showing the light off during the day and on at night.



Figure 7: Detailed view of the integrated photocell sensor.

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Video 2: A demonstration of the ledmo wall pack light's ultra-bright output and dusk-to-dawn feature.

Maintenance

The ledmo LED Wall Pack Light is designed for minimal maintenance. Regular cleaning and inspection will help ensure its continued performance.

- **Cleaning:** Periodically clean the lens and exterior housing with a soft, damp cloth to remove dirt, dust, and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the fixture for any signs of damage, loose connections, or wear. Ensure mounting hardware remains secure.
- **Photocell:** Keep the photocell sensor clean and free from obstructions (e.g., leaves, dirt, reflective surfaces) to ensure proper dusk-to-dawn operation.

Troubleshooting

If you experience issues with your ledmo LED Wall Pack Light, refer to the following common problems and solutions:

- **Light does not turn ON at night:**
  - Check if the power supply is active at the circuit breaker.
  - Ensure the photocell sensor is not obstructed by dirt, debris, or external light sources (e.g., another bright light, reflective surfaces).
  - Verify wiring connections are secure.
- **Light flickers or cycles ON/OFF repeatedly:**
  - This often indicates the photocell is detecting its own light output or reflected light, causing it to cycle. Relocate the photocell if possible, or shield it from reflected light (e.g., from a glossy wall or nearby bright surface).
  - Ensure stable voltage supply to the fixture.
- **Light stays ON during the day:**
  - The photocell sensor may be obstructed or covered, preventing it from detecting daylight. Clean the sensor and ensure no objects are blocking it.
  - Verify the photocell is functioning correctly.
- **Light is dim or inconsistent:**
  - Check for proper voltage supply.
  - Ensure the lens is clean.

If these steps do not resolve the issue, please contact customer support.

Warranty and Support

The ledmo LED 120W Wall Pack Light is covered by a **5-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical assistance, or any questions regarding your product, please contact ledmo customer support through the retailer where the product was purchased or visit the official ledmo website for contact information.

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Video 3: A customer review showcasing the ledmo 120W LED Wall Pack Light.

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Video 4: Another customer review demonstrating the ledmo 120W LED Wall Pack Light's performance.

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Video 5: A detailed customer review highlighting the high quality of the ledmo LED Wall Pack.

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