

Lithonia Lighting EXR LED EL M6

Lithonia Lighting EXR LED EL M6 Emergency Exit Sign Instruction Manual

Model: EXR LED EL M6

Brand: Lithonia Lighting

1. SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage, personal injury, or death.

- All wiring should be performed by a qualified electrician in accordance with national and local electrical codes.
- Disconnect power at the circuit breaker before installation or servicing.
- Ensure the mounting surface can support the weight of the fixture.
- Do not mount near gas or electric heaters.
- Do not use outdoors. This fixture is rated for damp locations only.
- Battery backup units require 24 hours of initial charge for full capacity.

2. PRODUCT OVERVIEW

The Lithonia Lighting EXR LED EL M6 is a thermoplastic emergency exit sign with an integrated backup battery. It features bright red LED text for clear visibility and is designed for commercial and industrial applications.

Key Features:

- LED illumination for energy efficiency and long life.
- 90-minute emergency operation with rechargeable Ni-Cad battery.
- Impact-resistant, scratch-resistant, and corrosion-proof thermoplastic housing.
- Universal chevrons for directional indication (field-removable).
- Field-convertible to double-face configuration with included extra faceplate.
- UL and damp location listed; meets UL924, NFPA 101, NEC, and OSHA Standards.



Figure 1: Front view of the Lithonia Lighting EXR LED EL M6 Emergency Exit Sign with red 'EXIT' text.



Figure 2: The EXR LED EL M6 Emergency Exit Sign installed above a doorway in a commercial setting.

3. SETUP AND INSTALLATION

The EXR LED EL M6 is designed for versatile mounting options: top, back, or end. Ensure power is disconnected before proceeding.

3.1 Mounting Options

- **Wall Mount:** Attach directly to a wall junction box.
- **Ceiling Mount:** Use the included canopy for top mounting to a ceiling junction box.
- **End Mount:** Attach to the side of a junction box using the provided hardware.

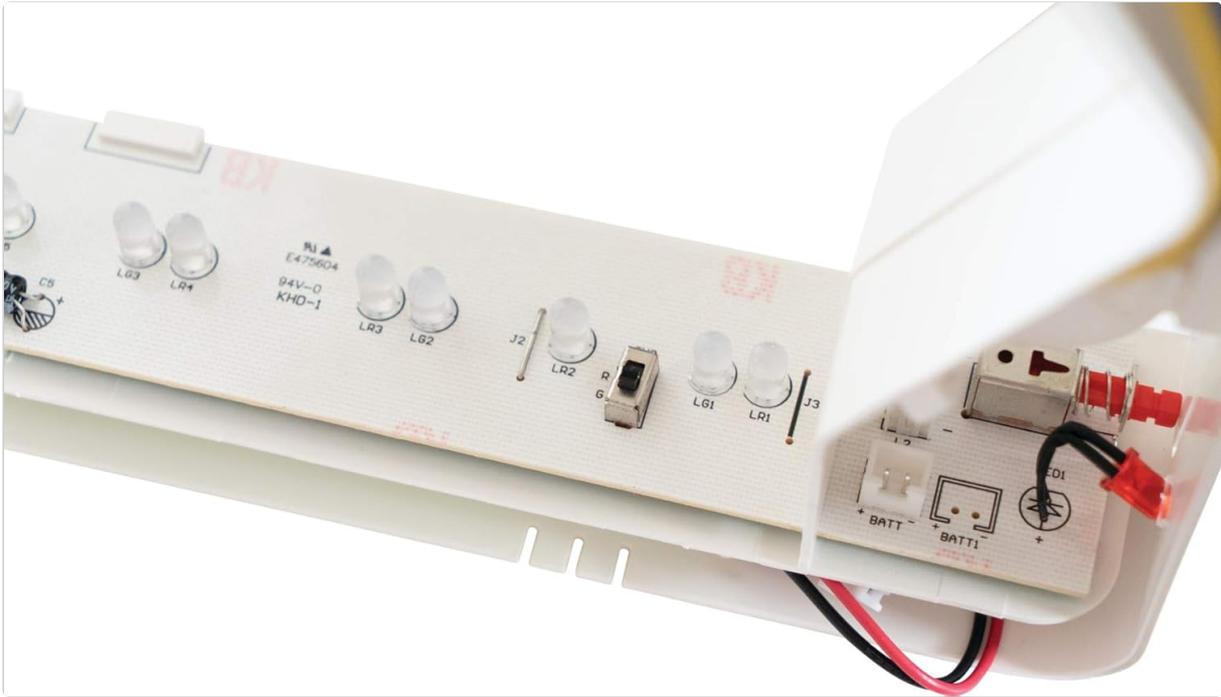


Figure 3: Example of the exit sign ceiling mounted in a commercial hallway.

3.2 Wiring

1. Ensure power is OFF at the circuit breaker.
2. Open the fixture housing.
3. Connect the AC input wires (black for line, white for neutral) to the building's electrical supply.
4. Connect the battery wires to the circuit board. Ensure correct polarity.
5. Close the fixture housing securely.



Figure 4: Internal view showing the circuit board and battery connections.

3.3 Directional Chevrons

The unit includes universal chevrons that can be easily removed or inserted to indicate the direction of exit. These are typically knocked out from the inside of the faceplate.



Figure 5: The exit sign with both red and orange text options, demonstrating the removable chevrons.

4. OPERATING INSTRUCTIONS

Once installed and powered, the exit sign will illuminate. The integrated battery will begin charging. Allow 24 hours for the battery to fully charge before conducting any tests.

4.1 Battery Test

A test button is located on the bottom of the unit. Press and hold this button to initiate a battery test. The sign should remain illuminated for the duration of the test (typically 30 seconds to 90 minutes, depending on local codes). Release the button to return to AC power operation.

4.2 AC Indicator Light

A small red LED indicator light on the bottom of the unit confirms that the sign is receiving AC power and the battery is charging. If this light is off, check the power supply.

5. MAINTENANCE

Regular maintenance ensures optimal performance and compliance with safety regulations.

5.1 Monthly Testing

Perform a 30-second functional test monthly by pressing the test button. The sign should remain illuminated.

5.2 Annual Testing

Conduct a full 90-minute discharge test annually. Disconnect AC power to the unit (e.g., by turning off the circuit breaker). The sign should remain illuminated for the full 90 minutes. Reconnect AC power after the test.

5.3 Cleaning

Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sign does not illuminate on AC power.	No AC power; loose wiring; faulty LED driver.	Check circuit breaker; verify wiring connections; contact qualified electrician.
Sign does not illuminate during battery test.	Battery not charged; faulty battery; loose battery connection.	Allow 24 hours for initial charge; check battery connections; replace battery if necessary.
AC indicator light is off.	No AC power; faulty indicator LED.	Check AC power supply; contact support if power is present but LED is off.

7. SPECIFICATIONS

- **Model:** EXR LED EL M6
- **Brand:** Lithonia Lighting
- **Voltage:** 120 Volts
- **Wattage:** 10 watts
- **Light Type:** LED
- **Battery Type:** NiCAD (included)
- **Emergency Operation:** 90 minutes
- **Housing Material:** Thermoplastic (impact-resistant, scratch-resistant, corrosion-proof)
- **Mounting Type:** Top/Back/End
- **Dimensions:** 11.6"L x 7.5"W
- **Certifications:** UL, Damp Location Listed, UL924, NFPA 101, NEC, OSHA Standards

Video 1: Comparison of light coverage between Quantum and Lithonia Lighting Basics emergency lighting fixtures, demonstrating effective illumination for safety codes.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This Lithonia Lighting product comes with a 2-Year Limited Warranty. Please refer to the warranty card included with your product for full terms and conditions. Keep your purchase receipt as proof of purchase.

8.2 Customer Support

For technical assistance, replacement parts, or warranty claims, please contact Lithonia Lighting customer service. Visit the official Lithonia Lighting website for contact details and additional resources.

Note: Only qualified personnel should attempt repairs or internal servicing.