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Lithonia Lighting FMLWL 48 840

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Model: FMLWL 48 840

1. INTRODUCTION

The Lithonia Lighting FMLWL LED linear wraparound fixture is designed to provide bright, even illumination for various indoor spaces. This low-maintenance fixture offers energy-efficient performance with a long-lasting LED engine. Its durable construction features a sturdy metal housing with decorative plastic end caps and a white polycarbonate diffuser for uniform light distribution and reduced glare. This manual provides essential information for the safe and effective installation, operation, and maintenance of your light fixture.



Figure 1: Lithonia Lighting FMLWL LED Wraparound Light Fixture. This image shows the complete fixture, a long, low-profile white LED light designed for flush mounting.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing, operating, or maintaining electrical equipment. Failure to do so may result in serious injury or property damage.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- **WARNING:** Risk of fire. Use only with specified voltage (120V).
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Suitable for damp locations.
- UL and CSA listed for safety and performance.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Lithonia Lighting FMLWL LED Wraparound Light Fixture
- Installation Hardware (screws, wire nuts)
- Instruction Manual

4. SPECIFICATIONS

Attribute	Value
Brand	Lithonia Lighting
Model Number	FMLWL 48 840
Dimensions (L x W x H)	47.36" x 5.48" x 2.58"
Light Source Type	Integrated LED
Color Temperature	4000K (Cool White)
Brightness	3,000 Lumens (2900 Lumens effective)
Wattage	41 Watts
Voltage	120 Volts
Material	Metal housing with Polycarbonate lens
Installation Type	Flush Mount (Ceiling or Wall)
Lifespan	50,000 Hours (L70)
Certifications	UL and CSA Listed

FMLWL

Figure 2: Product Dimensions. This image illustrates the length, width, and height of the FMLWL fixture.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your FMLWL LED Wraparound Light Fixture. Ensure power is disconnected at the circuit breaker before starting.

1. **Prepare the Fixture:** Carefully remove the diffuser from the housing. Then, remove the wireway cover by unscrewing the two screws securing it to the fixture housing.
2. **Access Wiring:** Locate the black supply wire, the white neutral wire, and the green grounding wire inside the fixture. Push all three wires out through the coined hole at the back of the fixture.
3. **Connect Ground Wire:** Hold the fixture housing firmly. Connect the green ground wire from the fixture to the bare copper ground wire from the junction box using a wire nut.
4. **Connect Supply Wires:** Use wire nuts to connect the black fixture wire to the black supply wire and the white (neutral) fixture wire to the white supply wire.
5. **Mount the Fixture:** Align the keyholes on the back of the fixture housing with the screws previously installed in the junction box. Lift the fixture up, rotate it clockwise, and tighten the screws to secure the housing assembly against the ceiling.

6. **Reinstall Diffuser:** Starting at one end of the housing, insert the diffuser slot onto the edge of the housing. Carefully squeeze the diffuser to engage the opposite side with the housing until fully installed.
7. **Select CCT and Lumen Output (if applicable):** Use the integral switches on the fixture to select your desired LED Correlated Color Temperature (CCT) and lumen output.

Installation Video Guide

Video 1: FMLWL LED Wraparound Light Product Overview 2021. This official video from Acuity Brands Lighting Inc. provides a visual guide to the installation process, including preparing the fixture, wiring connections, and final assembly.

6. OPERATION

Once installed and power is restored, the Lithonia Lighting FMLWL fixture operates like a standard light fixture controlled by a wall switch. Some models may feature integral switches for adjusting light settings.

- **Power On/Off:** Use the wall switch connected to the fixture to turn the light on or off.
- **Adjustable Settings:** If your model includes integral switches, these allow you to select different Correlated Color Temperatures (CCT) and lumen outputs to suit your preference or application needs. Refer to the markings on the fixture for specific settings (e.g., 3000K, 4000K, 5000K for CCT and various lumen levels).

Color Temperature Guide



Figure 3: Color Temperature Guide. This image illustrates different color temperatures (2700K Soft White, 3000K Warm White, 3500K Neutral White, 4000K Cool White, 5000K Daylight) and their visual appearance in various settings.

Product Application Examples

Video 2: Residential Wrap Around Light Overview 2021. This video from Acuity Brands Lighting Inc. showcases the FMLWL fixture in various residential applications, including kitchens, laundry rooms, and garages, demonstrating its versatility.

7. MAINTENANCE

The FMLWL LED fixture is designed for low maintenance. Regular cleaning will help maintain its appearance and light output.

- **Cleaning:** Ensure power is off before cleaning. Use a soft, damp cloth to wipe the exterior surfaces of the fixture. Avoid abrasive cleaners or solvents that could damage the finish or lens.
- **No Bulb Replacement:** This fixture uses integrated LEDs, meaning there are no bulbs to replace. The LEDs are designed to last for 50,000 hours, providing years of reliable illumination.

8. TROUBLESHOOTING

If you experience issues with your Lithonia Lighting FMLWL fixture, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Light does not turn on	No power to the fixture; Loose wiring connection; Faulty switch or circuit breaker	Check circuit breaker and wall switch. Ensure all wiring connections are secure (with power off). Consult a qualified electrician if the issue persists.
Light flickers or dims	Loose wiring; Incompatible dimmer switch (if applicable); Voltage fluctuations	Verify wiring connections are tight. Ensure any dimmer switch used is compatible with LED fixtures. If flickering continues, consult an electrician.
Light output is too low/high	Incorrect lumen output setting (if adjustable model)	Adjust the integral lumen output switch on the fixture to the desired setting.

For more detailed troubleshooting or complex issues, it is recommended to consult a qualified electrician.

9. WARRANTY AND SUPPORT

The Lithonia Lighting FMLWL LED Wraparound Light Fixture is backed by a 5-year limited warranty, ensuring long-term peace of mind regarding its performance and durability.

- Warranty Coverage:** This limited warranty covers defects in materials and workmanship under normal use and service. For specific terms and conditions, please refer to the warranty documentation provided with your product.
- Official Documents:** Additional support documents, including detailed installation guides and troubleshooting guides, are available in PDF format. You can access these resources via the following links:

- [Installation Manual \(PDF\)](#)
- [Troubleshooting Guide \(PDF\)](#)
- [Instructions for Use \(IFU\) \(PDF\)](#)
- [User Manual \(PDF\)](#)

Product Line Overview

Video 3: Contractor Select Overview 2024. This video from Acuity Brands Lighting Inc. provides an overview of the Contractor Select product line, emphasizing reliable performance and ease of installation for common projects.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question