

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Lithonia Lighting](#) /
- › [Lithonia Lighting BLT Series 2x4 LED Troffer Light Instruction Manual](#)

Lithonia Lighting 2BLT4 40L ADP LP835

Lithonia Lighting BLT Series 2x4 LED Troffer Light Instruction Manual

Model: 2BLT4 40L ADP LP835

1. INTRODUCTION

The Lithonia Lighting BLT Series 2x4 Low Profile LED Troffer is designed to provide efficient and uniform illumination for various indoor commercial applications. This manual outlines the necessary steps for safe installation, proper operation, and routine maintenance of your LED troffer light. Please read all instructions carefully before proceeding with installation or use.



Figure 1: Lithonia Lighting BLT Series 2x4 LED Troffer Light.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power before installation or servicing.

- All wiring should be performed by a qualified electrician in accordance with national and local electrical codes.
- Ensure the fixture is properly grounded to avoid potential electrical hazards.
- Do not alter or modify the fixture. Any modifications may void the warranty and create safety risks.
- Handle the fixture with care to prevent damage to electrical components or the diffuser.
- This fixture is intended for indoor use in damp-location rated and IC rated environments.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Lithonia Lighting BLT Series 2x4 LED Troffer Light
- Installation Hardware (Integral T-bar clips)

4. SPECIFICATIONS

Model Number	2BLT4 40L ADP LP835
Dimensions (L x W x H)	47-3/4" x 23-3/4" x 2-3/8"
Light Output	4000 Lumens
Color Temperature	3500K Neutral White
Voltage	MVOLT (120-277V)
Dimming	0-10V (dims to 10%)
Material	Metal housing, Impact-modified acrylic diffuser
Certifications	Damp-location rated, IC rated, CSA Certified
Weight	17 pounds
Warranty	5-year limited warranty

BLT LED Recessed Lay In 2x4 Dimensions



Figure 2: Detailed dimensions of the BLT Series 2x4 LED Troffer Light.

5. INSTALLATION

The BLT Series LED Troffer is designed for easy installation in standard drop ceilings. Its shallow 2-3/8" depth accommodates restrictive plenum settings.

1. **Prepare the Installation Area:** Ensure the power supply to the installation area is turned off at the circuit breaker. Clear any obstructions in the ceiling grid where the fixture will be installed.
2. **Position the Fixture:** Carefully lift the LED troffer into the ceiling grid opening. The end plates feature integral T-bar clips designed for secure attachment to the T-grid.
3. **Secure the Fixture:** Engage the T-bar clips to firmly hold the luminaire in place within the ceiling grid.
4. **Wiring Connections:** Access the wiring compartment. Connect the fixture's electrical wires to the building's power supply wires (line, neutral, and ground) according to local electrical codes. For dimming functionality, connect the 0-10V dimming wires to a compatible dimming control system.
5. **Close Wiring Compartment:** Ensure all wiring connections are secure and properly insulated. Close the wiring compartment cover.
6. **Restore Power:** Once installation is complete and all connections are verified, restore power at the circuit breaker.



Figure 3: An example of the LED troffer light installed in a ceiling grid.

Installation Video

Your browser does not support the video tag.

Video 1: Official product video demonstrating the features and installation of the BLT Series Low Profile LED Drop in Ceiling Light.

6. OPERATING INSTRUCTIONS

The Lithonia Lighting BLT Series LED Troffer provides instant-on illumination upon power activation. For models equipped with dimming capabilities:

- **Dimming Control:** This fixture is compatible with 0-10V dimming systems, allowing you to adjust the light output down to 10% of its full brightness. Connect the fixture to a compatible 0-10V dimmer switch (sold separately) for variable light control.
- **On/Off Control:** Use a standard wall switch to turn the light fixture on or off.



Figure 4: Example of a classroom setting effectively illuminated by BLT Series LED Troffer Lights.

7. MAINTENANCE

The BLT Series LED Troffer Light is designed for minimal maintenance due to its long-life LED technology.

- **Cleaning:** To maintain optimal light output and appearance, periodically clean the acrylic diffuser with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the diffuser material.
- **No User-Serviceable Parts:** The LED components and driver are integrated into the fixture. There are no user-serviceable parts inside. Do not attempt to open or repair the fixture, as this will void the warranty and could lead to electrical hazards.

8. TROUBLESHOOTING

If you encounter issues with your LED troffer light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring; Faulty switch	Check circuit breaker; Verify all wiring connections are secure; Test the wall switch.
Light flickers or dims improperly	Incompatible dimmer; Loose dimming wires	Ensure a compatible 0-10V dimmer is used; Check dimming wire connections.
Reduced light output	Dirty diffuser	Clean the diffuser with a soft, damp cloth.

If the problem persists after attempting these solutions, contact customer support.

9. WARRANTY AND SUPPORT

This Lithonia Lighting BLT Series 2x4 LED Troffer Light is backed 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 Lithonia Lighting customer service. Keep your proof of purchase for warranty validation. For more information, visit the official Lithonia Lighting website or refer to the product's packaging.