

Nothing BUT LEDs BLT-FL24-K60-3065

Nothing BUT LEDs 2x4 LED Flat Panel Light Instruction Manual

Model: BLT-FL24-K60-3065

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Nothing BUT LEDs 2x4 LED Flat Panel Light. Please read this manual thoroughly before installation and retain it for future reference.

The 2x4 LED Flat Panel Light is an edge-lit fixture designed for commercial and residential drop ceiling applications. It features selectable wattage (40W/50W/60W) and selectable color temperature (3000K/3500K/4000K/5000K/6500K), along with 0-10V dimming capabilities.

2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Do not handle energized fixtures with wet hands.
- Ensure the fixture is properly grounded to avoid potential electrical hazards.
- Do not modify the fixture in any way. Any modifications may void the warranty and create safety risks.
- Suitable for damp locations. Not suitable for direct exposure to water.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 2x4 LED Flat Panel Light(s)
- Mounting Hardware

4. SETUP AND INSTALLATION

These flat panels are designed for standard 2'x4' T-bar grid ceiling systems. They are lightweight and easy to install, making them ideal for suspended ceiling applications or LED retrofits.

4.1 Dimensions

The fixture measures approximately 47.75 inches in length, 23.74 inches in width, and 0.59 inches in height.

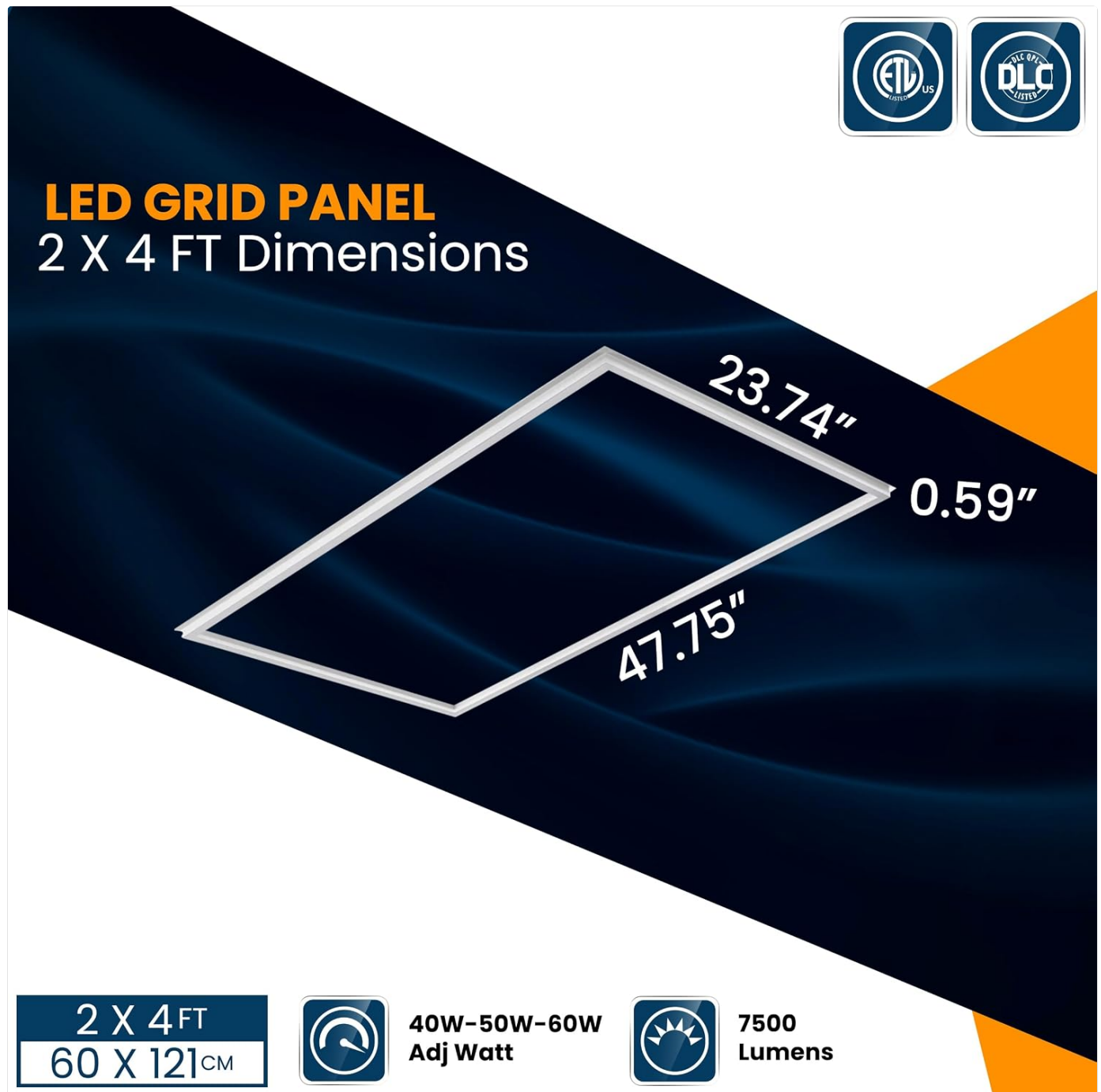


Figure 1: Product Dimensions. The image displays the length, width, and slim profile of the LED panel.

4.2 Wiring Instructions

1. Ensure power is disconnected at the circuit breaker before proceeding.
2. Connect the fixture's black wire to the building's hot wire.
3. Connect the fixture's white wire to the building's neutral wire.
4. Connect the fixture's green (or bare copper) wire to the building's ground wire.
5. For 0-10V dimming, connect the purple wire to the dimmer's positive (+) output and the gray wire to the dimmer's negative (-) output. If not using dimming, cap these wires individually.
6. Secure all connections with appropriate wire connectors.

4.3 Drop Ceiling Installation

1. Carefully remove an existing 2x4 ceiling tile from the T-bar grid.
2. Connect the electrical wiring as described in Section 4.2.
3. Place the LED flat panel into the open grid space, ensuring it rests securely on the T-bar grid.
4. Use the provided mounting hardware (e.g., earthquake clips or safety cables) to secure the panel to the building structure or ceiling grid, preventing accidental dislodgement.
5. Restore power and test the fixture.

5. OPERATING INSTRUCTIONS

Your LED Flat Panel Light offers adjustable wattage and color temperature settings to suit various lighting needs.

5.1 Selectable Color Temperature (CCT)

The fixture features an integrated switch on the junction box to select from five color temperatures: 3000K (Warm White), 3500K (Neutral White), 4000K (Cool White), 5000K (Daylight), or 6500K (Bright Daylight).



Figure 2: Selectable CCT. This image illustrates the visual difference between the five available color temperature settings.

5.2 Switchable Wattage

A built-in wattage switch allows you to select between 40W (5200 lumens), 50W (6500 lumens), or 60W (7500 lumens). Adjust the wattage to achieve the desired brightness level for your space.



Figure 3: Selectable Wattage. This image demonstrates the varying light output at 40W, 50W, and 60W.

5.3 0-10V Dimmable Control

The fixture supports 0-10V dimming for smooth, flicker-free light control across all brightness levels. A compatible 0-10V dimmer (not included) is required for this functionality.

DIMMABLE

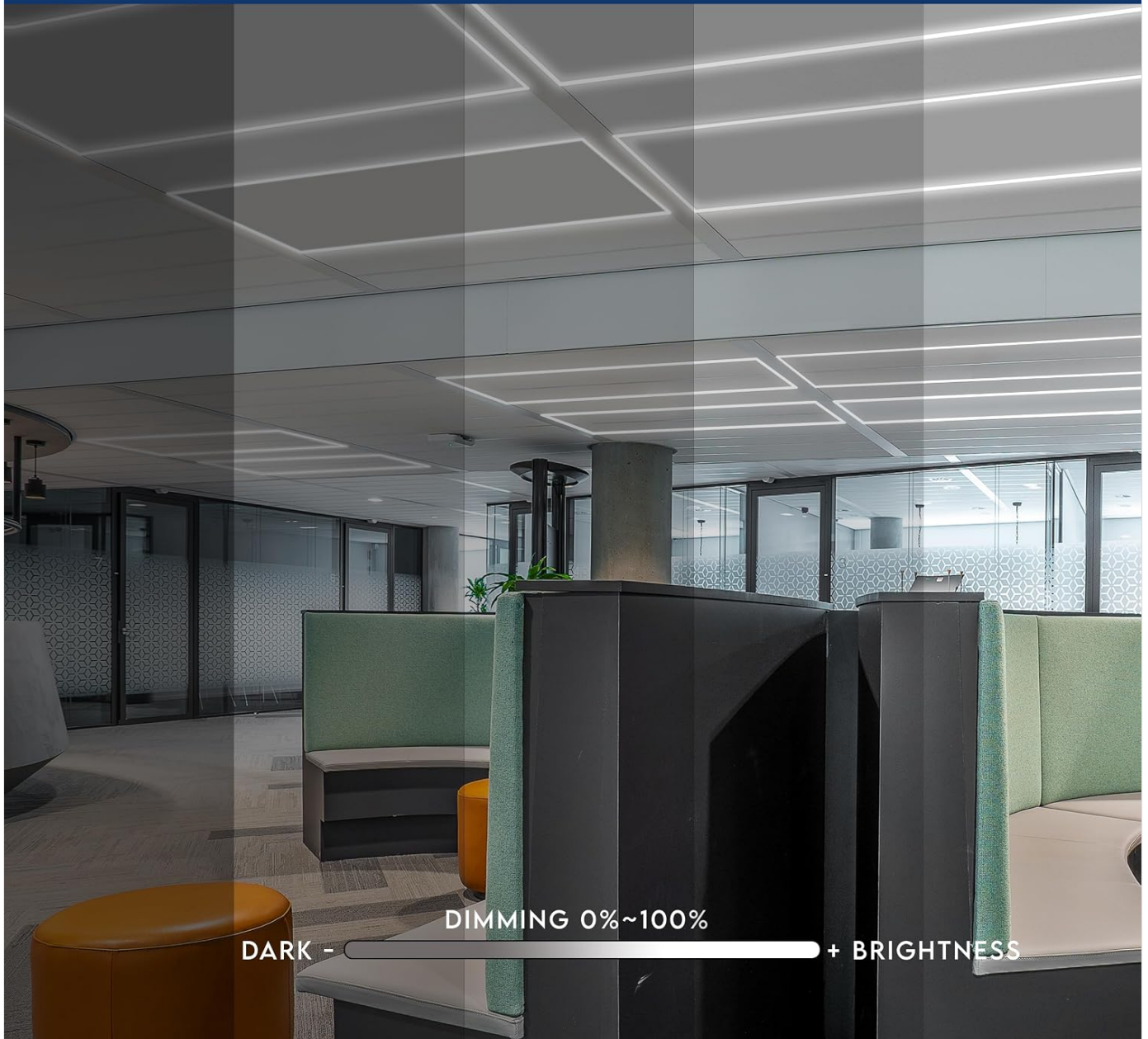


Figure 4: Dimmable Control. This image visually represents the dimming range from 0% to 100% brightness.

6. MAINTENANCE

LED fixtures require minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Ensure the power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or optical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, disconnect power and consult a qualified electrician.
- LEDs are not user-replaceable. Do not attempt to open the sealed LED compartment.

7. TROUBLESHOOTING

If you experience issues with your LED Flat Panel Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power to the fixture	Check circuit breaker, wall switch, and wiring connections.
Light flickers or dims unexpectedly	Loose wiring connection or incompatible dimmer	Ensure all wiring connections are secure. Verify dimmer compatibility if using 0-10V dimming.
Incorrect color temperature or brightness	CCT or wattage switch set incorrectly	Adjust the CCT and wattage switches on the fixture's junction box to the desired setting.
Light output is too low	Wattage setting is too low	Increase the wattage setting using the switch on the junction box.

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

8. SPECIFICATIONS

Feature	Detail
Brand	Nothing BUT LEDs
Model Name	ETL/DLC 2x4 LED Flat Panel light
Model Number	BLT-FL24-K60-3065
Dimensions (L x W x H)	47.75" x 23.74" x 0.59"
Wattage (Selectable)	40W / 50W / 60W
Lumen Output (Max)	7500 Lumens (at 60W)
Efficiency	130 lumens per watt
Color Temperature (CCT)	3000K / 3500K / 4000K / 5000K / 6500K (Selectable)
Dimmable	0-10V Dimmable
Input Voltage	100-277V AC
Material	Aluminum frame, Acrylic shade
Installation Type	Flush Mount / Drop Ceiling
Certifications	ETL, DLC Listed
Lifespan	Up to 50,000 hours
Item Weight	14.02 pounds
UPC	850054258083

9. WARRANTY

This Nothing BUT LEDs product is backed by a**5-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from improper installation, misuse, abuse, accidents, unauthorized repairs or modifications, or acts of nature.

10. SUPPORT

For technical assistance, warranty claims, or further information, please contact Nothing BUT LEDs customer support. Visit our brand store for more products and support information:[Nothing BUT LEDs Store](#)

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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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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