

LumeGen LG-BPL24-50-P-50K

LumeGen Premium Backlit LED Flat Panel Light Fixture User Manual

Model: LG-BPL24-50-P-50K

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your LumeGen Premium Backlit 2x4 Flat Panel LED Light Fixture. Please read this manual thoroughly before installation and retain it for future reference. Proper installation and adherence to safety guidelines are crucial for optimal performance and longevity of the product.

The LumeGen Premium Backlit LED Flat Panel Light Fixture is designed for both commercial and residential applications, offering exceptional brightness and energy efficiency. It is an ideal replacement for traditional fluorescent troffers in drop ceilings.

SAFETY INFORMATION

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with national and local electrical codes.
- Do not install in wet locations or areas with high humidity. This product is for indoor use only.
- Ensure the mounting surface can support the weight of the fixture.
- Do not look directly into the LED light source when illuminated.
- Handle the fixture with care to avoid damage. The metal casing can be thin and may flex.

PRODUCT OVERVIEW

The LumeGen Premium Backlit LED Flat Panel Light Fixture provides uniform and efficient illumination. Key features include:

- **Exceptional Brightness:** 6300 lumens with 5000K daylight color temperature.
- **Energy Efficient:** 50W power consumption, significantly less than traditional fluorescent lights.
- **Long Lifespan:** LEDs are designed to last the life of the fixture, eliminating bulb changes.
- **Easy Installation:** Lightweight and compact design for straightforward installation in drop ceilings.
- **Commercial-Grade Quality:** Durable design suitable for various applications.

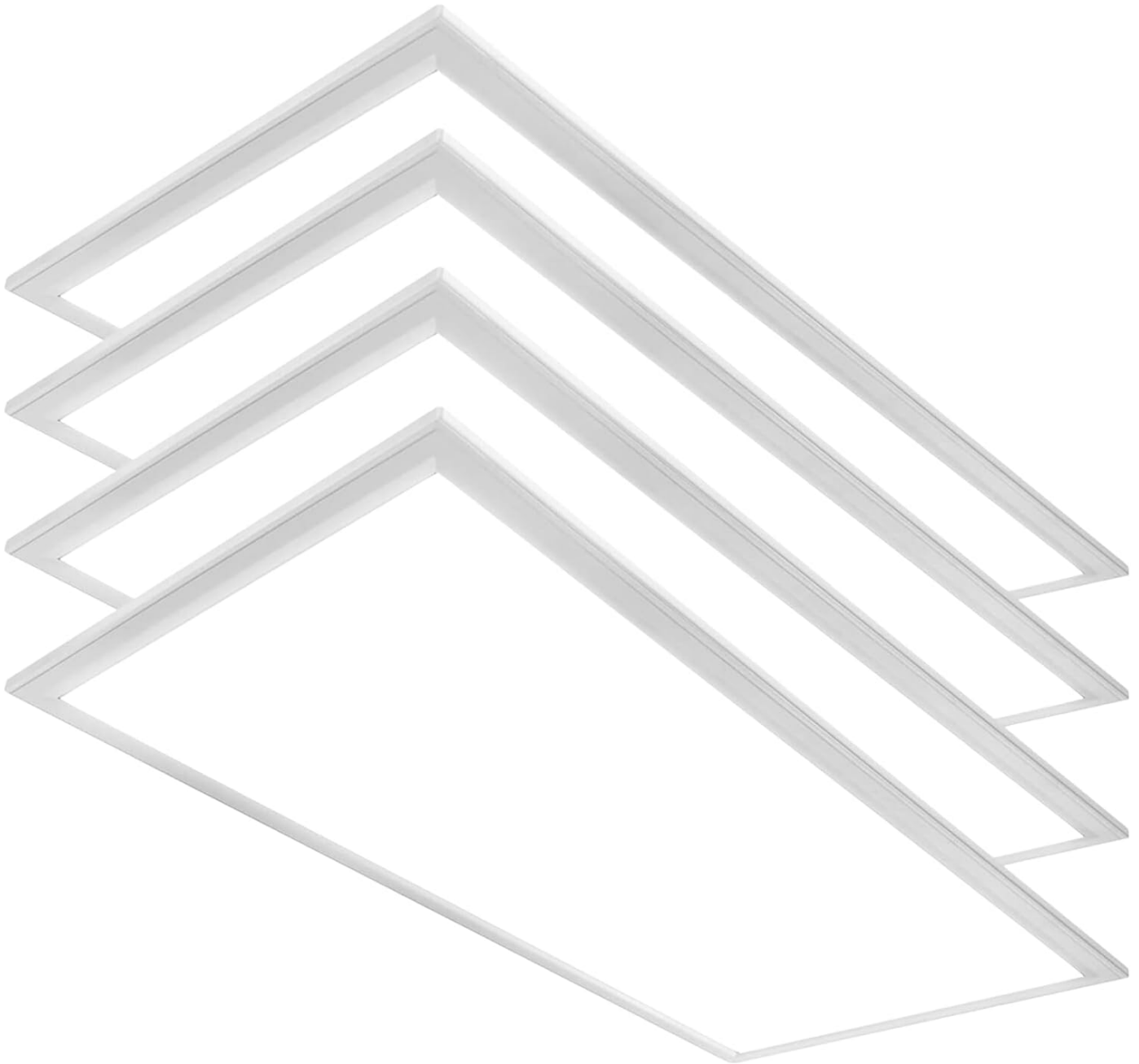


Image: Four LumeGen 2x4 LED flat panel light fixtures, illustrating the product's design and form factor.

Dimensions



Thickness

Image: Diagram showing the dimensions of the LumeGen 2x4 LED flat panel light fixture: 23.74 inches (2 ft nominal) by 47.72 inches (4 ft nominal), with a thickness of 1.48 inches.

PACKAGE CONTENTS

The 4-pack includes:

- 4 x LumeGen Premium Backlit 2x4 Flat Panel LED Light Fixtures
- Mounting Hardware
- Wiring/Accessories

INSTALLATION INSTRUCTIONS

This fixture is primarily designed for installation in drop ceilings. An optional flush mount kit (sold separately) can be used for surface mount applications.

Tools and Materials Required (Not Included):

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Electrical Tape
- Voltage Tester
- Safety Glasses
- Gloves

Installation Steps for Drop Ceiling:

1. **Prepare the Installation Area:** Ensure the power to the circuit where the fixture will be installed is turned OFF at the circuit breaker or fuse box. Use a voltage tester to confirm the power is off.
2. **Remove Existing Fixture (if applicable):** Carefully remove any existing light fixture from the drop ceiling grid.
3. **Position the LED Panel:** Carefully lift the LumeGen LED panel and place it into the standard 2x4 ft drop ceiling grid opening. Ensure it sits securely within the grid.
4. **Wiring Connections:** Locate the junction box on the back of the LED panel. Open the cover. Connect the building's electrical wires to the fixture's wires:
 - Connect the **black** (hot) wire from the building to the **black** wire of the fixture.
 - Connect the **white** (neutral) wire from the building to the **white** wire of the fixture.
 - Connect the **green** or bare copper (ground) wire from the building to the **green** ground wire of the fixture.Use appropriate wire connectors (included) and secure connections with electrical tape if necessary.
5. **Secure Wiring:** Carefully tuck all wires into the junction box and close the cover securely.
6. **Final Placement:** Adjust the panel within the ceiling grid to ensure it is flush and properly aligned.
7. **Restore Power:** Turn the power back ON at the circuit breaker. Test the light fixture.

Dimensions



23.74" or (2 ft nominal)

47.72" or (4 ft nominal)



1.48"

Thickness

Packaging Size (4 Pack)

Outer Carton Size (L*W*H)	Qty/ Ctn (pcs)	Net Weight (lbs)	Gross Weight (lbs)
49.49" x 9.37" x 25.79"	4	36.1	41.3

Image: An illustration demonstrating the ease of installation of the LED panel into a standard drop ceiling grid, highlighting its lightweight and compact design.

OPERATING INSTRUCTIONS

- The LumeGen Premium Backlit LED Flat Panel Light Fixture operates via a standard wall switch or compatible dimmer switch (if installed). This model supports app control and remote control, as indicated in specifications, allowing for advanced operation if integrated with a smart lighting system.
- Basic Operation:** Flip the wall switch connected to the fixture to turn the light ON or OFF.
 - Dimming (Optional):** If connected to a compatible dimmer switch, adjust the dimmer to control the brightness level. Ensure the dimmer is rated for LED lighting.
 - Smart Control (Optional):** For models with app or remote control capabilities, refer to the specific instructions provided with your smart lighting system or remote for pairing and advanced features like scheduling or scene setting.



Color Temperature Available in

Warm White

3500k

Bright White

4000k

Daylight

5000k

Image: A classroom setting brightly illuminated by the LumeGen LED panel lights, demonstrating their 50W power and 6300 lumens output in a practical environment.

MAINTENANCE

The LumeGen LED Flat Panel Light Fixture requires minimal maintenance due to its long-lasting LED technology.

- **Cleaning:** Before cleaning, ensure the power to the fixture is turned OFF. Use a soft, dry, or slightly damp cloth to wipe the surface of the panel. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or optical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose wiring, or unusual operation. If any issues are observed, disconnect power and consult a qualified electrician.
- **No Bulb Replacement:** This fixture uses integrated LED technology, meaning there are no bulbs to replace. The LEDs

are designed to last the entire lifespan of the fixture.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn ON.	No power to the fixture. Loose wiring connection. Faulty switch or circuit breaker.	Check if the circuit breaker is tripped or if the wall switch is ON. Ensure all wiring connections are secure. Test the switch and circuit breaker.
Light flickers or dims unexpectedly.	Incompatible dimmer switch. Loose wiring. Voltage fluctuations.	Ensure a compatible LED dimmer switch is used. Check wiring connections. Consult an electrician if voltage issues are suspected.
Light is not as bright as expected.	Dimmer setting too low. Dust or debris on the panel surface.	Adjust the dimmer to maximum brightness. Clean the surface of the light panel.
Humming noise from fixture.	Incompatible dimmer. Loose components.	Replace with an LED-compatible dimmer. Check for any loose components within the fixture (consult a professional if unsure).

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

SPECIFICATIONS

Attribute	Detail
Brand	LumeGen
Model Name	LG-BPL24-50-P-50K
Product Dimensions	23.74"L x 47.72"W x 1.5"H
Item Weight	35.2 pounds (for 4-pack)

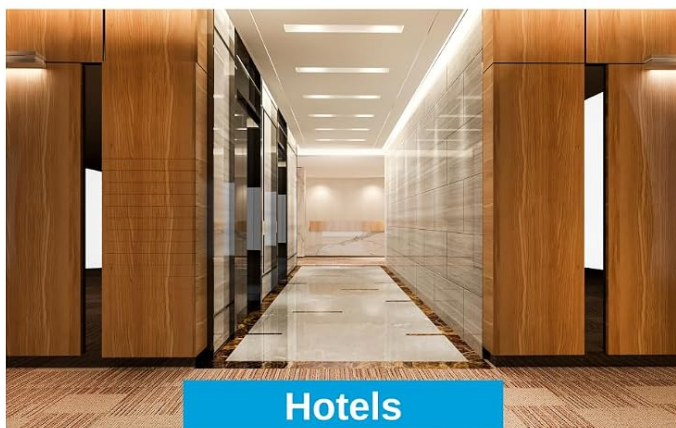
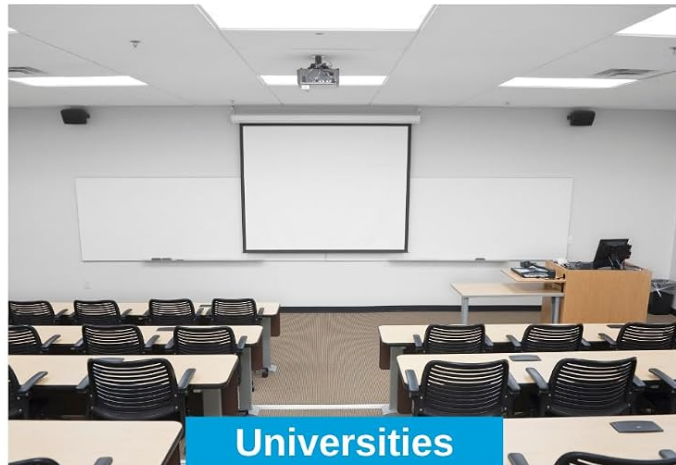
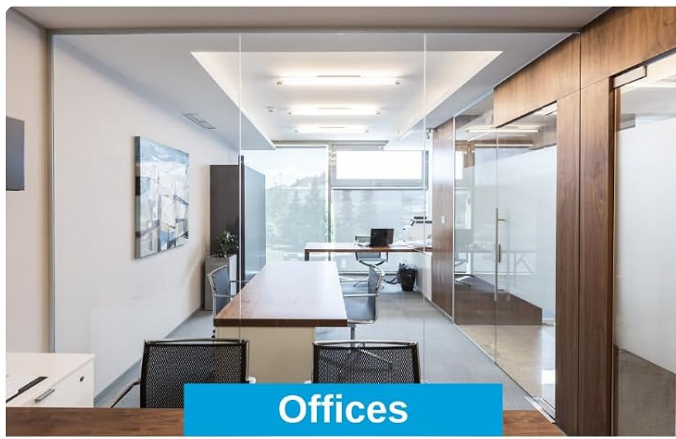
Attribute	Detail
Wattage	50W
Brightness	6300 Lumens
Color Temperature	5000K (Daylight)
Voltage	120 Volts (AC)
Light Source Type	LED
Installation Type	Suspended (Drop Ceiling)
Indoor/Outdoor Usage	Indoor
Control Method	App, Remote Control (Optional)
UPC	190140053407



50W

6300 Lumens

Image: Visual representation of available color temperatures for LumeGen LED panels, including 3500K (Warm White), 4000K (Bright White), and 5000K (Daylight). Note: This specific product is 5000K.



Wide Applications

- ✓ Energy-Efficient
- ✓ Elegant and Sleek Design
- ✓ Easy Installation
- ✓ Glare-Free Illumination
- ✓ Rated to Last Up to 50,000 Hours



Image: Photometric diagrams illustrating the luminous intensity distribution for LumeGen 2x4 LED panels at 3500K, 4000K, and 5000K color temperatures.

WARRANTY INFORMATION

LumeGen products come with a limited warranty. For specific details regarding the warranty period and coverage for your Premium Backlit LED Flat Panel Light Fixture, please refer to the warranty card included with your purchase or visit the official LumeGen website. The warranty typically covers defects in materials and workmanship under normal use. Protection plans are also available for extended coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan covering eligible past and future purchases)

These plans are offered separately and provide additional peace of mind beyond the standard manufacturer's warranty.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact LumeGen customer support:

- **Website:** [Visit the LumeGen Store on Amazon](#) (for general inquiries and product information)
- Refer to your product packaging or included documentation for direct contact information (phone number, email).

When contacting support, please have your model number (LG-BPL24-50-P-50K) and purchase date readily available.

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Model: LG-BPL24-50-P-50K

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