GT-Lite GT-F24W-2PK

GT-Lite LED Flat Panel Instruction Manual

Model: GT-F24W-2PK

1. Introduction

Thank you for choosing the GT-Lite 2-Pack 2'x4' 5500 LM LED Flat Panel. This product is designed to provide high-quality, energy-efficient lighting for both home and office environments. Featuring adjustable color temperature (5 CCT options) and 3-level dimming, these panels offer versatile illumination to suit various needs and preferences. This manual provides essential information for safe installation, operation, and maintenance of your LED flat panels.

2. Safety Instructions

Please read all instructions carefully before installation and use. Retain this manual for future reference.

- Always turn off power at the circuit breaker before beginning installation or performing any maintenance.
- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not install in wet locations or areas with high humidity. This product is designed for indoor use only.
- Ensure the mounting surface can support the weight of the fixture.
- Do not modify the fixture in any way. Any modifications will void the warranty.
- Avoid looking directly into the LED light source when illuminated, as it may cause eye strain.
- Keep packaging materials away from children.

3. Product Features

- **5CCT Adjustable:** Equipped with 5 color temperatures ranging from 2700K (Warm White) to 6500K (Cool White), including 3000K (Soft Warm), 4000K (Neutral Light), and 5000K (Daylight).
- **High Brightness:** Delivers 5500 lumens of super bright illumination, ensuring excellent light coverage.
- **High CRI 90:** Enhances true, vibrant tones for a more natural and visually appealing environment.
- **3-Level Dimming:** Compatible with standard dimmer switches for adjustable light output.
- **Energy Efficient:** Utilizes superior upgraded SMD LEDs for significant energy savings.
- **Durable Construction:** Features a high-quality aluminum housing and integrated sealed structure, preventing

shadows or black spots.

- **Versatile Installation:** Supports both flush mounting and drop ceiling installation methods.



Figure 3.1: Key features of the GT-Lite LED Flat Panel, including brightness, color temperature options, and energy efficiency.

4. Package Contents

Verify that all components are present before beginning installation:

- 2 x GT-Lite 2'x4' LED Flat Panels
- Instruction Manual (this document)
- Mounting Hardware (for both flush mount and drop ceiling installations)

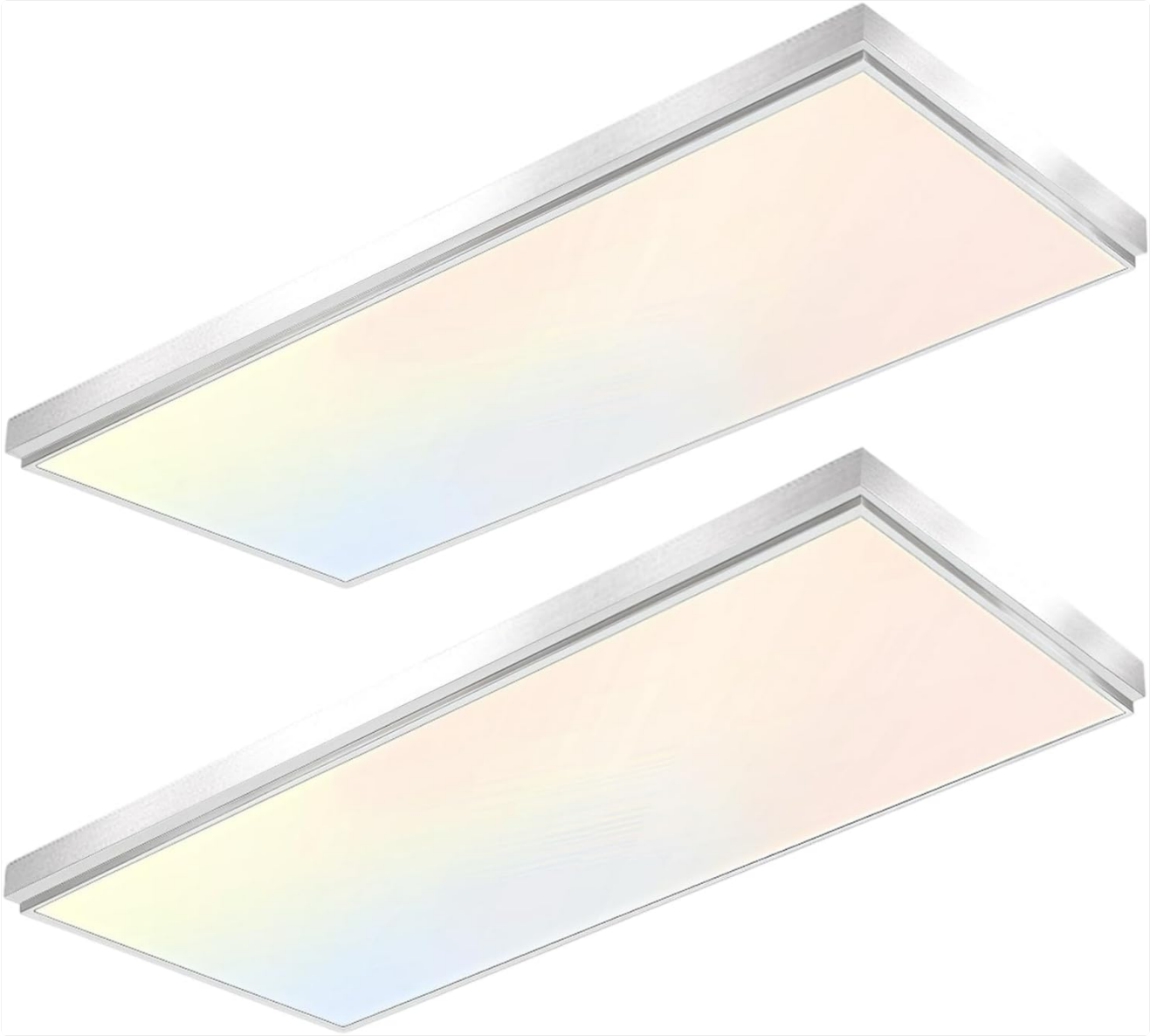


Figure 4.1: The two GT-Lite LED Flat Panels included in the package.

5. Specifications

Brand	GT-Lite
Model Name	GT-F24W-2PK
Product Dimensions	47.5"L x 23.75"W x 1.25"H (4ft x 2ft)
Color	White Trim
Material	Aluminum, Polycarbonate
Light Source Type	LED
Brightness	5500 Lumens
Wattage	50 Watts
Voltage	120 Volts
Color Temperature (CCT)	2700K, 3000K, 4000K, 5000K, 6500K (Adjustable)

Color Rendering Index (CRI)	90
Installation Type	Flush Mount, Drop Ceiling
Indoor/Outdoor Usage	Indoor
Item Weight	29.9 pounds

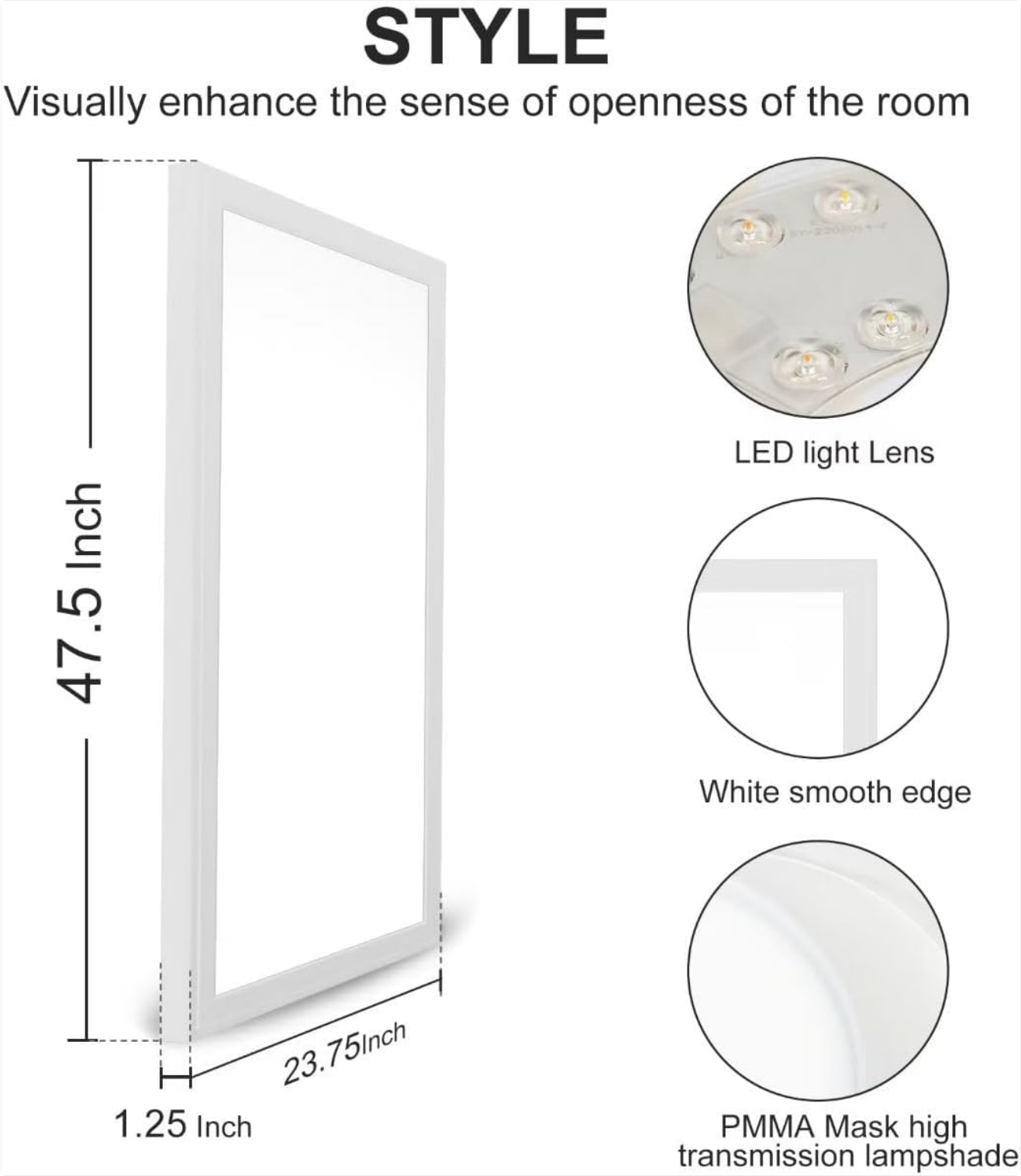


Figure 5.1: Detailed dimensions and components of the LED Flat Panel.

6. Setup and Installation

The GT-Lite LED Flat Panel offers two primary installation methods: Flush Mounting and Drop Ceiling Installation. Choose the method appropriate for your ceiling type.

6.1 Flush Mounting Installation

This method is suitable for direct attachment to a solid ceiling surface.

1. Ensure power is OFF at the circuit breaker.
2. Attach the mounting bracket securely to the ceiling using appropriate screws and anchors (included), aligning it with your electrical junction box.
3. Connect the electrical wires from the fixture to your building's wiring (Live to Live, Neutral to Neutral, Ground to Ground) using wire nuts. Ensure all connections are secure.
4. Carefully tuck the wires into the junction box.
5. Align the LED panel with the mounting bracket and secure it in place, typically by twisting or sliding until it locks.



Figure 6.1: Visual representation of the installation process for both flush mount and drop ceiling.

6.2 Drop Ceiling Installation

This method is ideal for suspended grid ceilings.

1. Ensure power is OFF at the circuit breaker.
2. Remove the existing ceiling tile from the desired installation location.

3. Connect the electrical wires from the fixture to your building's wiring (Live to Live, Neutral to Neutral, Ground to Ground) using wire nuts. Ensure all connections are secure.
4. Carefully place the LED panel into the open grid space, ensuring it rests securely on the ceiling grid.
5. Secure the panel to the grid using the provided clips or safety wires to prevent accidental dislodgement.

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Video 6.1: Demonstration of both flush mount and drop ceiling installation methods for the LED flat panel.

7. Operating Instructions

Your GT-Lite LED Flat Panel features adjustable color temperature and dimming capabilities.

7.1 Color Temperature (CCT) Adjustment

The fixture allows you to select from 5 different color temperatures to match your preference or room ambiance. The CCT switch is located on the side of the fixture. Adjust the switch to select your desired color temperature before final installation or by carefully accessing the side of the installed panel.

- **2700K:** Warm White (soft, yellowish light)
- **3000K:** Soft Warm (slightly less yellow than 2700K)
- **4000K:** Neutral Light (balanced white light)
- **5000K:** Daylight (bright, cool white light)
- **6500K:** Cool White (very bright, bluish-white light)



Figure 7.1: Visual examples of the 5 selectable color temperatures.

7.2 Dimming Function

The LED flat panel is dimmable when paired with a compatible dimmer switch (not included). Ensure your dimmer switch is rated for LED lighting. Once installed with a compatible dimmer, you can adjust the light output to your desired level.



Figure 7.2: The dimming capability of the LED panel for adjustable brightness.

8. Maintenance

Regular maintenance will help ensure the longevity and optimal performance of your LED flat panels.

- **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 electrical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, turn off the power and consult a qualified electrician.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to open or repair the fixture.

9. Troubleshooting

If you experience issues with your LED flat panel, refer to the following common problems and solutions:

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. Verify all wire connections are secure. Test the circuit with another device.
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.
Incorrect color temperature.	CCT switch set to undesired setting.	Adjust the CCT switch on the side of the fixture to the desired setting.
Buzzing noise from fixture.	Incompatible dimmer switch; Loose wiring.	Replace with a high-quality, compatible LED dimmer. Check wiring connections.

If the problem persists after attempting these solutions, please contact GT-Lite customer support.

10. Warranty and Support

GT-Lite products come with a Limited Warranty. Please refer to the warranty information provided at the time of purchase or visit the official GT-Lite website for detailed terms and conditions.
For technical support, replacement parts, or warranty claims, please contact GT-Lite customer service through the retailer where the product was purchased or via the contact information available on the GT-Lite official website.
Manufacturer: GT-Lite

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