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› Lithonia Lighting CPANL 2x2 LED Flat Panel Light User Manual

Lithonia Lighting

Lithonia Lighting CPANL 2x2 LED Flat Panel Light User Manual

Brand: Lithonia Lighting

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Lithonia Lighting CPANL LED Flat Panel Ceiling Light. This energy-efficient lighting solution is designed for various indoor spaces, offering switchable color temperatures to suit different ambiances. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

2. PRODUCT OVERVIEW

The Lithonia Lighting CPANL LED Flat Panel is a modern, high-efficiency lighting fixture. Key features include:

- **Switchable Color Temperature (SWW):** Easily select between 3500K (Neutral), 4000K (Cool), and 5000K (Daylight) to customize your lighting environment.
- **Energy Efficiency:** Long-life LEDs combined with a high-efficiency driver reduce energy consumption.
- **Triac Dimming:** Compatible with Triac dimmer switches for additional energy savings and adjustable brightness.
- **Durable Design:** Engineered for extended life and consistent performance.
- **Versatile Installation:** Includes T-Bar clips for T-Grid ceilings and a Direct Ceiling Mount Kit (DCMK 224) for surface mounting.
- **Certifications:** Certified for damp locations, CSA, IC, and DLC.



Figure 2.1: The Lithonia Lighting CPANL 2x2 LED Flat Panel Light, showcasing its sleek, white design.

CPANL LED Flat Panel



CPANL is suitable for both new construction and renovation for applications such as schools, commercial office, retail and healthcare applications



Easy Installation



Affordable Lighting Solutions



5-Year Limited Warranty



Figure 2.2: Key benefits of the CPANL LED Flat Panel, highlighting its ease of installation, affordability, and a 5-year limited warranty.



Switchable Color Temperatures

3000K Warm White
4000K Cool White
5000K Daylight

Direct Ceiling Mount Kit (DCMK) included



Figure 2.3: Illustration of the switchable color temperature feature (3000K Warm White, 4000K Cool White, 5000K Daylight) and the included Direct Ceiling Mount Kit (DCMK).

Color Temperature Guide

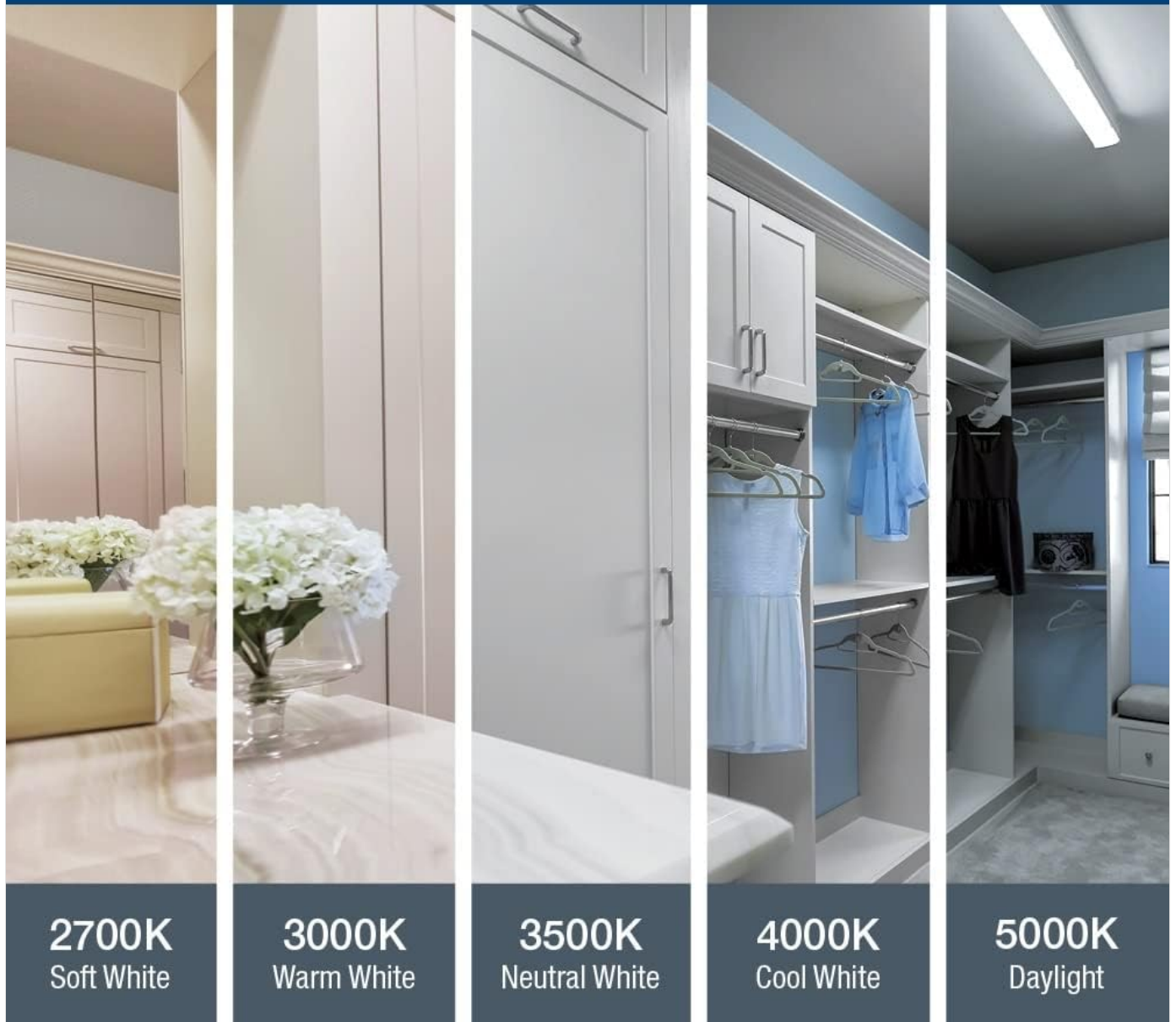


Figure 2.4: A visual guide demonstrating various color temperatures, from Soft White (2700K) to Daylight (5000K), illustrating the effect on a room's ambiance.

CPANL LED Flat Panel

2x2 Dimensions



Figure 2.5: Detailed dimensions of the 2x2 CPANL LED Flat Panel, showing its length, width (23.79 inches each), and slim profile (1.26 inches).



Figure 2.6: The CPANL LED Flat Panel installed in a laboratory, demonstrating its uniform illumination for task-oriented environments.



3. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing. All electrical connections must be in accordance with local codes, ordinances, or the National Electric Code (NEC). Always wear appropriate personal protective equipment, including safety glasses and gloves, during installation and maintenance. Ensure the fixture is properly grounded.

4. SETUP & INSTALLATION

The Lithonia Lighting CPANL LED Flat Panel can be installed in T-Grid ceilings using integral clips or surface mounted using the included DCMK 224 bracket. This section details the surface mount installation process.

4.1. Required Tools

- Ladder
- Tape Measure
- Phillips Head Screwdriver
- Flat Head Screwdriver
- Wire Strippers
- Drill with Bits (1/2-inch drill bit for drywall)
- Pencil/Marker
- Safety Glasses and Gloves

4.2. Installation Steps (Surface Mount with DCMK 224)

For a visual guide, please refer to the official installation video below:

Your browser does not support the video tag.

Video 4.1: DCMK CPANL Installation Video 2021. This video provides a detailed walkthrough of the direct ceiling mount kit installation process.

1. Prepare the DCMK 224 Bracket:

- Place the two hanger side brackets with the flat side down on a flat surface.
- Position the hanger center bracket using the locating tabs. It will only sit flat in the correct orientation.
- Use the provided smooth-headed screws to fasten the center bracket to the side hanger brackets. Fully tighten the screws. (Note: You will have one extra screw after this step).

2. Attach Hinges and Latches to CPANL:

- Attach both surface mount hinges and latches to the same side of the CPANL using a hand Phillips screwdriver.
- **IMPORTANT: DO NOT USE A DRILL OR POWER TOOL, AND DO NOT OVERTIGHTEN.** (Note: You will have two extra screws after this step).

3. Mark Mounting Locations on Ceiling:

- Measure the assembled DCMK 224 bracket to ensure it is square.
- Position the mounting bracket on the ceiling in relation to your junction box.
- Mark four mounting holes on the ceiling. For drywall ceilings, drill these holes with a 1/2-inch drill bit.

4. Secure Hanger Brackets to Ceiling:

- For drywall ceilings, mount the bracket using the four toggle bolts provided.
- Thread the bolts through the holes on each end of the hanger brackets, then thread through the toggle nuts.
- Fold the toggle nut and push it through each of the drilled holes in the ceiling.
- Using a power drill, tighten the bolts until the hanger brackets are securely attached and flush with the ceiling.

5. Mount CPANL to Hanger Brackets:

- Safely climb to a height where you can see the receiving tabs of the hanger-side brackets.
- Locate the hinge points on the CPANL. Position the panel so you are holding it with the hinges away from you.
- Bring the hinge side of the panel up to the receiving tabs on the hanger brackets.
- Insert both receiving tabs through the slots in the hinge brackets. Slide the hinge brackets up to and then past the locking springs. You will hear an audible "click" as the hinge bracket goes past the locking spring. This prevents the hinge from sliding off the tabs.
- Gently push the CPANL toward the hinges to fully seat it in the back of the bracket.
- Rotate the latch side of the fixture up towards the ceiling until you are able to clip both tether cables into place on the front of the hanger bracket.
- If the tether is sticking out, push it so that it lays on top of the panel.

6. Electrical Connections:

- Make all electrical connections in the junction box according to local electrical codes.
- Once electrical connections are safely completed, gently push the CPANL toward the hinges to fully seat it in the back of the bracket and rotate the latch side of the fixture up towards the ceiling.

Installation Tip: Some users have noted that a strain relief part, which protects wires from sharp metal holes, may not be included. If your previous fixture had one, it might be reusable. Ensure wires are protected from sharp edges.

5. OPERATING INSTRUCTIONS

Your Lithonia Lighting CPANL LED Flat Panel is designed for simple operation.

5.1. Switching Color Temperature (CCT)

The fixture features a switchable color temperature (SWW) setting. To change the color temperature (3500K Neutral, 4000K Cool, or 5000K Daylight), you will need to access the switch located inside the fixture. This typically requires unlatching and gently lowering the panel to reach the switch.

5.2. Dimming Functionality

This LED panel supports Triac dimming. To utilize the dimming feature, ensure you have a compatible Triac dimmer switch installed. The fixture will dim linearly and smoothly when paired with the correct dimmer.

6. MAINTENANCE

To maintain the performance and appearance of your LED flat panel, follow these simple guidelines:

- **Cleaning:** Ensure power is disconnected before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or optical components.
- **No User-Serviceable Parts:** The LED components are designed for long life and are not user-replaceable. Do not attempt to open or repair the fixture beyond the instructions provided in this manual.

7. TROUBLESHOOTING

If you experience issues with your Lithonia Lighting CPANL LED Flat Panel, refer to the following common troubleshooting steps. For a more detailed guide, please consult the official [Troubleshooting Guide \(PDF\)](#).

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture; loose wiring; faulty switch.	Check circuit breaker. Ensure all electrical connections are secure. Test the switch.
Light flickers or alternates color.	Incompatible dimmer switch; loose wiring.	Ensure dimmer is Triac compatible and rated for LED fixtures. Check wiring connections.
Light is too dim or too bright.	Incorrect CCT setting; no dimmer installed or dimmer set incorrectly.	Adjust the CCT switch inside the fixture. If dimmable, adjust the dimmer switch. Consider installing a compatible dimmer if not already present.

8. SPECIFICATIONS

Attribute	Detail
Brand	Lithonia Lighting
Model Name	CPANL LED
Model Number	CPANL 2X2 33LM SWW7 120 TD DCMK
UPC	194995063239
Size	2-Foot X 2-Foot (23.8"L x 23.8"W x 1.1"H)
Style	3300 Lumens
Color	Switchable White (3500K/4000K/5000K)
Material	Alloy Steel, Aluminum, Polycarbonate, Acrylic

Attribute	Detail
Light Source Type	LED
Voltage	120 Volts
Wattage	372 watts
Brightness	3300 Lumen
Special Feature	Dimmable (Triac)
Installation Type	Flush Mount
Certifications	CSA, IC, DLC
Item Weight	9.45 Pounds

9. WARRANTY & SUPPORT

Your Lithonia Lighting CPANL LED Flat Panel Light is covered by a **5-year manufacturer limited warranty**. For any technical assistance, questions, or warranty claims, please contact the Acuity Brands Technical Support Team: **Phone: 1-800-705-SERV (7378)**

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Name

Anonymous

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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