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Lithonia Lighting CPANL 2X4 ALO6 M2

Lithonia Lighting CPANL 2x4 LED Flat Panel Light User Manual

MODEL: CPANL 2X4 ALO6 M2

Brand: Lithonia Lighting

1. Product Overview

The Lithonia Lighting CPANL LED Flat Panel offers exceptional versatility and performance for various applications including healthcare, education, commercial offices, and retail. This ultra-thin fixture provides adjustable lumen output and switchable color temperature options, allowing for customization to suit different environments and preferences. Its energy-efficient LED technology, combined with a high-efficiency driver and Triac dimming compatibility, ensures optimal illumination while minimizing energy consumption. The integrated driver simplifies installation by eliminating bulky external components.

Key features include:

- **9-IN-1 LED Ceiling Light:** Offers ultimate versatility in mounting, color temperature, and lumen options.
- **Energy Savings:** Long-life LED lights with a high-efficiency driver and Triac dimming compatibility.
- **Adjustable Lumens:** Switchable lumen settings (4000/5000/6000) support various ceiling heights.
- **Switchable Color Temperature:** Adjustable CCT options (3500K/4000K/5000K) to match desired ambiance.
- **Multiple Installation Options:** Ultra-thin housing supports surface flush, surface box, suspension, recessed, and T-grid ceiling installations.



Figure 1: Lithonia Lighting CPANL 2x4 LED Flat Panel Light.

2. Safety Information

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing. All wiring must be in accordance with the National Electrical Code (NEC) and local electrical codes. If you are unsure about wiring, consult a qualified electrician.

- Always wear safety glasses and gloves during installation.
- Ensure the fixture is properly grounded.
- Do not install in locations where the operating temperature exceeds the fixture's rated temperature.
- Do not handle energized fixtures with wet hands or while standing on wet or damp surfaces.

3. Package Contents

Verify that all components are present before beginning installation:

- CPANL LED Flat Panel Light Fixture
- Surface Mount Kit (H-bracket)
- Mounting Hardware (screws, toggle bolts)
- Installation Instructions Sheet

4. Installation

This section outlines the general steps for surface mounting the CPANL LED Flat Panel. Refer to the detailed installation instructions provided with your product for specific diagrams and safety warnings.

4.1 Preparation

1. **Turn off Power:** Disconnect power at the circuit breaker before starting any electrical work.
2. **Wear PPE:** Ensure you are wearing appropriate personal protective equipment, including safety glasses and gloves.
3. **Review Instructions:** Carefully read and understand all safety and installation instructions provided with the product.

4.2 Mounting the H-Bracket

1. **Install Holder Brackets:** Secure the small holder brackets to the back of the luminaire using two screws at each of the four locations.
2. **Prepare Access Plate:** Remove one knockout from the access plate on the back of the fixture. Install a grommet to protect wire insulation as per NEC and local code requirements.
3. **Mark Drilling Locations:** Hold the H-bracket against the ceiling, centering it to the junction box. Mark the four spots for the toggle bolts.
4. **Drill Pilot Holes:** Use a 1/2-inch drill bit to drill pilot holes into the marked spots on the ceiling.
5. **Prepare Toggle Bolts:** Open the toggle bolts by removing the wings. Insert the screw through the front of the H-bracket holes, then reattach the wings.
6. **Secure H-Bracket:** Secure the H-bracket to the ceiling by pushing the toggle bolts through the drilled holes and tightening them.

Video 1: Lithonia Lighting CPANL Installation Guide. This video demonstrates the step-by-step process of installing the CPANL LED Flat Panel Light, including mounting the H-bracket and making electrical connections.

4.3 Electrical Connections

1. **Attach Luminaire:** Attach the CPANL luminaire to one side of the H-bracket using the two holder brackets. This allows the fixture to hang, freeing your hands for wiring.
2. **Connect Wires:** Pull the supply wires through the grommet. Make all electrical connections (line, neutral, ground) according to local codes and the provided wiring diagram.

4.4 Final Mounting

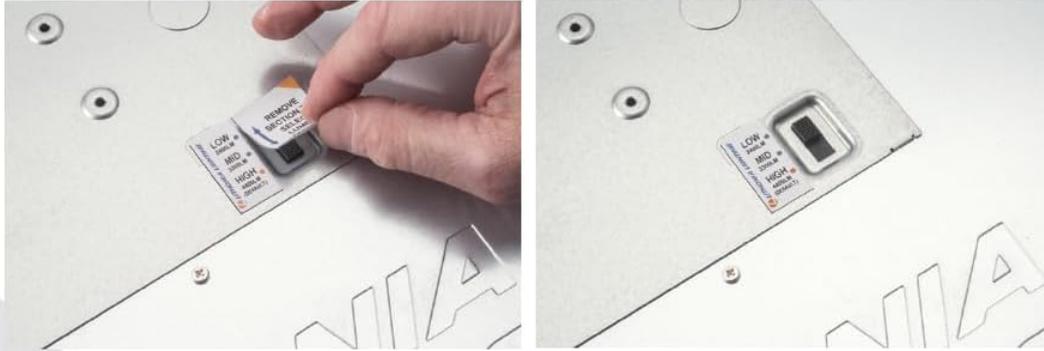
1. **Secure Panel:** Lift the CPANL parallel to the ceiling and slide it towards the junction box to lock it into place with the remaining holder brackets.
2. **Restore Power:** Turn the power back on at the circuit breaker and verify that the CPANL is illuminated.

5. Operating Instructions

The CPANL LED Flat Panel features adjustable lumen output and switchable color temperature settings, typically located on switches on the back of the fixture. These settings should be adjusted before final installation or by carefully lowering the panel if already installed.

5.1 Adjustable Lumen Output (ALO)

The fixture offers multiple lumen output options (e.g., 4000, 5000, 6000 lumens). Use the switch labeled 'LOW', 'MID', 'HIGH' to select the desired brightness level. Lower settings are suitable for areas requiring less light, while higher settings provide maximum illumination for larger spaces or tasks requiring more brightness.



Adjustable Lumen Output

Low
Medium
High



Figure 2: Adjustable Lumen Output switch on the back of the fixture.

5.2 Switchable Color Temperature (CCT)

The fixture allows you to choose between different color temperatures (e.g., 3500K, 4000K, 5000K). Use the switch labeled '3500K', '4000K', '5000K' to select the desired light color. 3500K provides a warm white light, 4000K offers a neutral white, and 5000K delivers a cool daylight white.



Figure 3: Color Temperature Guide illustrating different CCT options.

5.3 Dimming

This fixture is compatible with Triac dimmers. Ensure you use a compatible dimmer switch for optimal performance and energy savings. Refer to the dimmer manufacturer's instructions for installation and operation.

Video 2: Lithonia Lighting CPANL LED ALO Overview. This video highlights the adjustable lumen output and switchable color temperature features of the CPANL LED Flat Panel.

6. Maintenance

The CPANL LED Flat Panel is designed for long-term, maintenance-free operation. No bulbs need to be replaced.

- **Cleaning:** To clean the fixture, ensure power is off. Use a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

7. Troubleshooting

If the fixture does not operate correctly, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on	No power to fixture; Loose wiring; Faulty switch/breaker	Check circuit breaker/fuse; Verify all wire connections; Test switch/breaker.
Light flickers	Loose wiring; Incompatible dimmer; Voltage fluctuations	Check wiring connections; Replace with compatible LED dimmer; Consult electrician for voltage issues.
Incorrect light output/color	Lumen/CCT switch set incorrectly	Adjust the lumen output or color temperature switches on the back of the fixture.

8. Specifications

Detailed specifications for the Lithonia Lighting CPANL 2x4 LED Flat Panel Light (Model: CPANL 2X4 ALO6 M2):

- **Dimensions:** 47.81"L x 23.79"W x 1.26"H
- **Material:** Alloy Steel, Aluminum, Polycarbonate
- **Color:** Switchable White
- **Style:** Adjustable Lumens
- **Light Fixture Form:** Close to Ceiling
- **Power Source:** Corded Electric
- **Installation Type:** Flush Mount
- **Special Features:** Dimmable Range 100% to 10%, Integrated LED, Recessed mount, Switchable Color Temperature, Switchable Light Color
- **Light Source Type:** LED
- **Voltage:** 120-277 Volts (MVOLT)
- **Wattage:** 55 watts
- **Brightness:** 4000/5000/6000 Lumens (Adjustable)
- **Color Temperature:** 3500K/4000K/5000K (Switchable)
- **Item Weight:** 17.05 pounds
- **Certifications:** CSA, IC, DLC
- **Lumen Maintenance:** 70% at 60,000 hours
- **Damp Location Rated:** Yes



CPANL LED Flat Panel

2x4 Dimensions



Figure 4: Dimensions of the CPANL 2x4 LED Flat Panel Light.

9. Warranty and Support

This Lithonia Lighting CPANL LED Flat Panel Light is backed by a **5-year manufacturer limited warranty**.

For warranty claims or technical support, please contact Lithonia Lighting customer service. Keep your purchase receipt as proof of purchase.

For further assistance, visit the [Lithonia Lighting Store on Amazon](#).