

LEDONE 2X4 SMK (Troffer & Panel)

LEDONE 2x4 FT Surface Mount Frame Kit Installation Manual

Model: 2X4 SMK (Troffer & Panel)

1. SAFETY INSTRUCTIONS

Read all instructions carefully before attempting to install this fixture. Failure to follow these instructions may result in electrical shock, fire, or other hazards.

- All wiring should be performed by a qualified electrician.
- Disconnect power before installing or servicing. This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.
- Proper grounding is required for safety.

Caution: Risk of Fire

- Ensure power is **OFF** before installing or maintaining the fixture. No user-serviceable parts inside.
- Install recessed kit and fixture per local codes.
- Do **NOT** handle energized fixture when hands are wet, when standing in wet or damp surfaces or water.
- Do **NOT** mount near flammable materials or any heat source.
- Do **NOT** let power cords touch hot surfaces.
- Fixture is for indoor and dry location only.

2. PRODUCT OVERVIEW

The LEDONE 2x4 FT Surface Mount Frame Kit is designed to provide a secure and aesthetically pleasing surface mounting solution for 2x4 foot LED flat panels (edge-lit and back-lit) or troffer lights. This kit allows for installation on ceilings or walls where recessed mounting is not feasible.

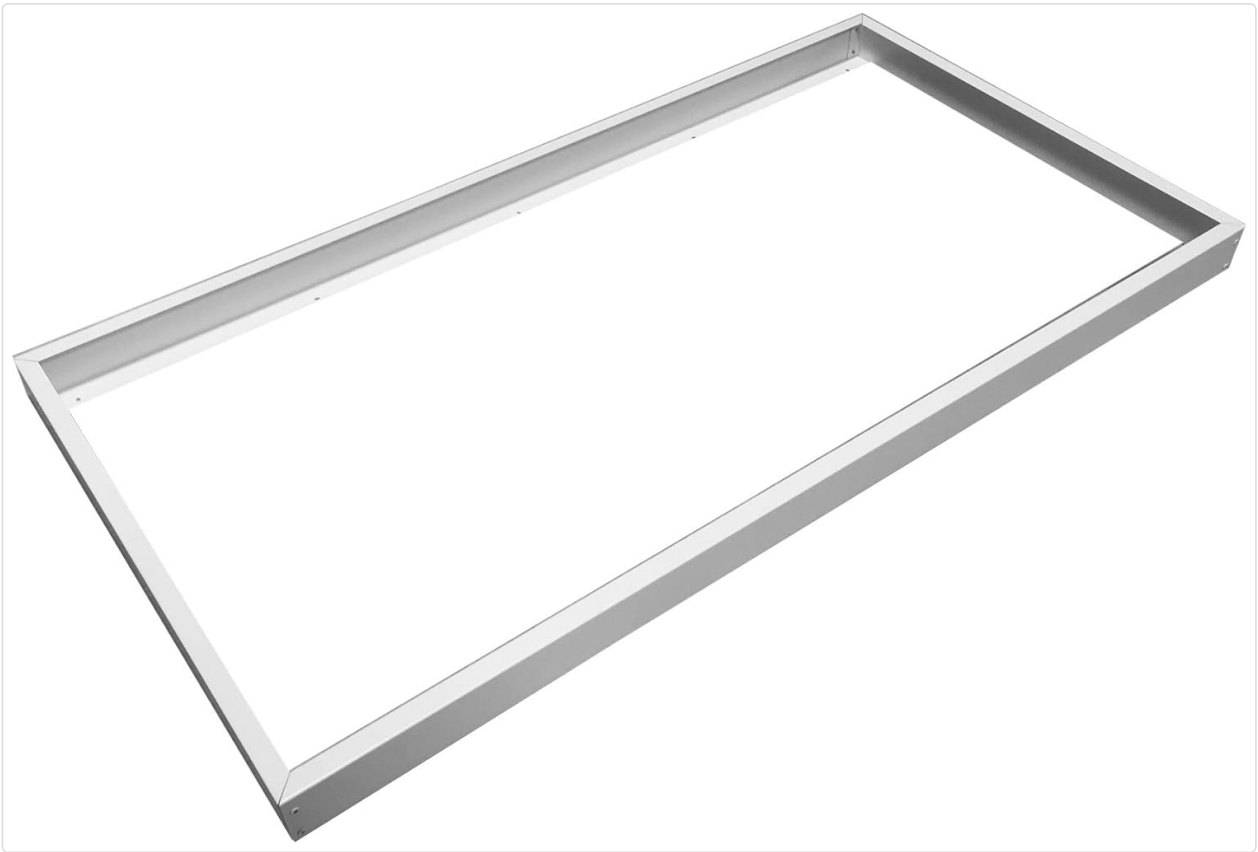


Image 2.1: The LEDONE 2x4 FT Surface Mount Frame Kit components.

The frame is constructed from high-quality aluminum with a white coating, offering corrosion and oxidation resistance for durability in commercial or residential environments. The assembled dimensions are approximately 48.11 x 24.31 x 2.56 inches.



Image 2.2: Detailed dimensions of the 2x4 surface mount frame kit.

3. INSTALLATION INSTRUCTIONS

This section outlines the steps for installing the LEDONE 2x4 FT Surface Mount Frame Kit. Ensure all safety precautions are followed before beginning installation.

Required Tools (Not Included):

- Drill
- Screwdriver
- Measuring Tape
- Pencil

Included Components:

- 4 Frame pieces
- Fasteners and mounting screws

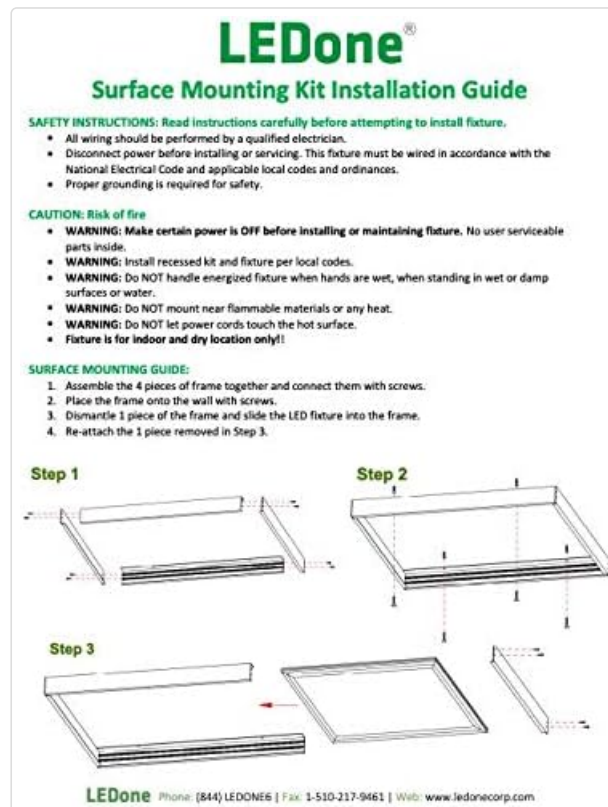


Image 3.1: Visual guide for installation steps 1 through 3.

1. **Assemble the Frame:** Assemble the four pieces of the frame together and connect them using the provided screws. Ensure the frame forms a rigid rectangle.
2. **Mount the Frame:** Place the assembled frame onto the desired ceiling or wall surface. Mark the screw hole locations. Drill pilot holes if necessary, then secure the frame to the surface using the provided mounting screws. Ensure the frame is level and securely fastened.
3. **Prepare for Panel Insertion:** Carefully dismantle one of the frame pieces (typically a short side) by removing its screws. This creates an opening to slide the LED panel fixture into the frame.



Image 3.2: Visual guide for installation step 4.

4. **Insert LED Panel and Re-attach Frame Piece:** Slide the 2x4 LED panel light into the bracket through the opening created in Step 3. Once the panel is in place, re-attach the removed frame piece and secure it with screws.

The surface mount kit is suitable for LEDONE LOC-BLPL and LOC-TROF series panels, including 1x4, 2x2, and 2x4 sizes.



Image 3.3: Example of installed LED panels using the surface mount frame kits.

4. MAINTENANCE

The LEDONE Surface Mount Frame Kit requires minimal maintenance. Regular inspection and cleaning will help ensure its longevity and appearance.

- **Cleaning:** Use a soft, damp cloth to wipe down the frame. Avoid abrasive cleaners or solvents that could damage the white coating.
- **Inspection:** Periodically check all mounting screws to ensure they remain tight and secure. If any screws appear loose, tighten them carefully.
- **Damage:** If the frame becomes bent or damaged, it may compromise the secure mounting of the LED panel. Consider replacing damaged components.

5. TROUBLESHOOTING

This section addresses common issues that may arise during or after installation.

- **Frame Not Square:** If the assembled frame is not perfectly square, it may be due to uneven tightening of

screws or slight manufacturing variations. Ensure all screws are tightened evenly. Minor adjustments can sometimes be made by gently flexing the frame before final tightening.

- **Panel Does Not Fit:** Verify that the LED panel is indeed a 2x4 foot (nominal) size and compatible with surface mount kits. Ensure that one side of the frame was fully removed as per installation step 3 to allow sufficient clearance for the panel to slide in.
- **Missing Hardware:** While the kit is designed to include fasteners and mounting screws, occasionally items may be missing. Contact LEDONE customer support for replacement hardware if necessary.
- **Frame Appears Flimsy After Assembly:** Ensure all screws connecting the frame pieces are securely tightened. The frame is designed to be rigid once fully assembled and mounted.

6. SPECIFICATIONS

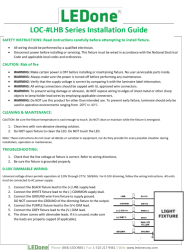
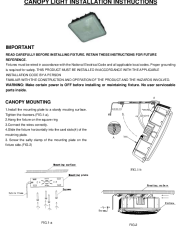
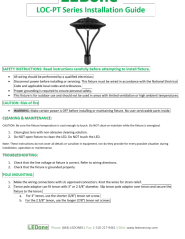



Feature	Specification
Model Number	2X4 SMK (Troffer & Panel)
Product Dimensions (L x W x H)	48.11 x 24.31 x 2.56 inches (approx.)
Material	Aluminum
Finish Type	White
Mounting Type	Surface
Item Weight	5 pounds
Compatibility	2x4 ft Flat Panels (Edge-lit and Back-lit), LEDONE LOC-BLPL and LOC-TROF series
Certification	UL (for associated lighting fixtures, frame is a component)

7. WARRANTY AND SUPPORT

LEDONE provides a 1-year limited warranty on this 2x4 inch surface mount kit. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or inquiries regarding missing components, please contact LEDONE customer service.

- **Manufacturer:** LED One Corporation
- **Phone:** (844) LEDONE6
- **Fax:** 1-510-217-9461
- **Website:** www.ledoncorp.com

	<p>LEDone LOC-#LHB Series Installation Guide</p> <p>Comprehensive installation guide for LEDone LOC-#LHB Series linear high bay lighting fixtures, detailing safety precautions, wiring instructions for 0-10V dimming, troubleshooting tips, and mounting options including V-Hook/Chain and Pendant.</p>
	<p>LEDone Canopy Light Installation Guide (CP01A-40-50K-LV)</p> <p>Detailed installation instructions for the LEDone Canopy Light, model CP01A-40-50K-LV, covering important safety precautions, canopy mounting, pendent mounting, wiring (including 0-10V dimmable options), cleaning, maintenance, and troubleshooting.</p>
	<p>LEDone LOC-PT Series Installation Guide</p> <p>Installation guide for the LEDone LOC-PT Series outdoor lighting fixture, covering safety, mounting, wiring, and wattage/CCT adjustments.</p>
	<p>LEDone HB006 Microwave Motion Sensor: Specifications and Features</p> <p>Detailed technical specifications, features, and application examples for the LEDone HB006 Microwave Motion Sensor, including detection coverage, dimming control, and dusk/dawn functionality.</p>
	<p>LEDone LOC-ELHB High Bay LED Light Series: Specifications and Applications</p> <p>Detailed specifications, features, and application suitability for the LEDone LOC-ELHB High Bay LED Light Family Series. Includes wattage, CCT, lumens, efficacy, dimensions, and mounting guidelines for industrial and commercial use.</p>
	<p>LEDone LO-LOC-4FWA-MW-48-MCCT-D: 4ft Multi Wattage Multi CCT LED Wrap Light Specifications</p> <p>Explore the detailed technical specifications for the LEDone LO-LOC-4FWA-MW-48-MCCT-D 4-foot LED wrap-around light. This fixture offers selectable wattage (32W, 40W, 48W) and CCT (3500K, 4000K, 5000K), high lumen output, 120-277V input, and is ideal for commercial applications. Features include IP20 rating, 50,000-hour lifespan, and 0-10V dimming.</p>

