

Commercial Electric 849489071442

Commercial Electric 2 ft. Integrated LED Dimmable High Bay Light User Manual

Model: 849489071442

1. PRODUCT OVERVIEW

The Commercial Electric 2 ft. Integrated LED Dimmable High Bay Light is designed for illuminating large indoor spaces such as warehouses, industrial facilities, commercial areas, and garages. This high-output LED fixture provides 18,000 lumens of 5000K Daylight illumination, offering an energy-efficient alternative to traditional 400-Watt equivalent lighting. It features a durable post-painted steel and polycarbonate construction, and is suitable for damp locations with ambient temperatures ranging from -40°C to 50°C (-40°F to 122°F).

Key features include multi-volt compatibility (120-277V), 0-10V dimming capability, and multiple mounting options for versatile installation.



Image 1.1: Front view of the Commercial Electric 2 ft. Integrated LED Dimmable High Bay Light.

2. SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause personal injury or property damage.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- **WARNING:** Risk of fire. Use only on circuits specified in the instructions.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the fixture is properly grounded to avoid potential electrical hazards.
- Do not handle the fixture with wet hands or while standing on wet or damp surfaces.

- Do not install near heat sources or in areas with flammable materials.
- Verify that the supply voltage is compatible with the fixture's requirements (120-277V).
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.

3. PACKAGE CONTENTS

Carefully unpack the fixture and inspect for any damage. Ensure all components are present before proceeding with installation.

- Integrated LED High Bay Light Fixture
- Chain-mount kit
- V hooks
- Instruction Manual

4. INSTALLATION

This fixture supports Suspension, Surface, and Stem installations. The following instructions detail the general steps for suspension mounting using the included chain-mount kit and V hooks.

4.1 Suspension Mounting (Chain/Cable)

1. **Prepare the Installation Area:** Ensure power is disconnected at the circuit breaker. Identify suitable structural support for hanging the fixture. The suggested mounting height is 16 ft. to 24 ft. for optimal light distribution.
2. **Attach V Hooks:** Securely attach the provided V hooks to the designated mounting points on the top of the fixture.
3. **Install Chains/Cables:** Connect the chain-mount kit or appropriate suspension cables (not included, if using cables) to the V hooks.
4. **Secure to Structure:** Attach the other end of the chains or cables to the structural support in the ceiling. Ensure the fixture is level and securely suspended.
5. **Wiring:** Open the wiring compartment on the fixture. Connect the electrical supply wires (Line, Neutral, Ground) to the corresponding wires on the fixture according to local electrical codes. This fixture is multi-volt (120-277V). For dimming functionality, connect 0-10V dimming wires if applicable.
6. **Close Compartment:** Securely close the wiring compartment cover.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.



Image 4.1: The high bay light prepared for suspension mounting with V hooks and chains.

4.2 Surface and Stem Mounting

For surface or stem mounting, consult the detailed diagrams and instructions provided in the included instruction manual. These methods typically involve securing the fixture directly to a surface or using a rigid stem for support, requiring specific hardware and adherence to structural requirements.



Image 4.2: Example of Commercial Electric high bay lights installed in a warehouse setting.

5. OPERATING INSTRUCTIONS

After successful installation and power restoration, the fixture will illuminate. This LED high bay light is designed for simple operation.

5.1 Power On/Off

The light can be turned on or off using the wall switch connected to its power supply circuit.

5.2 Dimming Functionality

This fixture is dimmable using a 0-10V dimmer switch (sold separately). Connect the dimming wires from the fixture to a compatible 0-10V dimmer according to the dimmer's instructions and local electrical codes. The light can also be controlled via an app or remote control, depending on the specific dimmer system integrated.

6. MAINTENANCE

The Commercial Electric Integrated LED High Bay Light is designed for minimal maintenance.

- **Cleaning:** Ensure power is disconnected before cleaning. Use a soft, dry, or slightly damp cloth to wipe the exterior of the fixture. Do not use abrasive cleaners or solvents, as these may damage the finish or electrical components.
- **No Bulb Replacement:** This fixture features integrated LED technology, meaning there are no bulbs to replace. The LED components are designed for long-term operation.
- **Inspection:** Periodically inspect the fixture and its mounting hardware for any signs of wear, damage, or loose connections. Address any issues promptly.

7. TROUBLESHOOTING

If you experience issues with your high bay light, refer to the following common problems and solutions:

- **Light does not turn on:**
 - Check the circuit breaker to ensure power is supplied to the fixture.
 - Verify all electrical connections are secure and correctly wired.
 - Ensure the wall switch is in the 'ON' position.
- **Light flickers or dims unexpectedly:**
 - Confirm that the dimmer switch (if installed) is compatible with 0-10V LED fixtures.
 - Check for loose wiring connections at the fixture or dimmer switch.
 - Ensure the supply voltage is stable and within the specified range (120-277V).
- **Insufficient light output:**
 - Verify the fixture is not connected to an incompatible dimmer or control system.
 - Ensure the lens is clean and free from obstructions.

If troubleshooting steps do not resolve the issue, contact customer support for further assistance.

8. SPECIFICATIONS



Image 8.1: Key specifications of the high bay light.

Feature	Specification
Brand	Commercial Electric
Model Number	849489071442
Product Dimensions	24.72 x 12.6 x 3.62 inches
Item Weight	13.75 pounds
Light Output	23,100 Lumens
Wattage	165 Watts
Efficiency	140 lm/W
Color Temperature	5000K Daylight
Voltage	120-277 Volts (Multi-Volt)
Dimmable	Yes (0-10V)
Control Method	App, Remote Control (with compatible dimmer)
Material	Alloy Steel, Polycarbonate
Finish Type	Painted (White)
Indoor/Outdoor Usage	Indoor (Damp Location Rated)
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Installation Type	Suspension, Surface, Stem
Included Components	Chain-mount kit, V hooks

9. WARRANTY AND SUPPORT

This Commercial Electric high bay light comes with a **5-year limited warranty**, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.



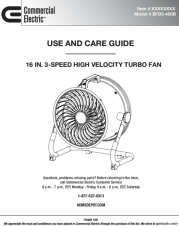
For technical assistance, troubleshooting, or warranty inquiries, please contact Commercial Electric customer support. Refer to the product packaging or the official Commercial Electric website for the most current contact information.


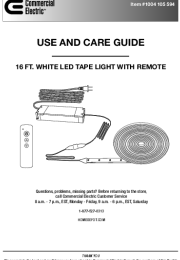

Customer Support:

Website: www.commercialelectric.com (Example Link)


Phone: 1-800-XXX-XXXX (Example Number)

Related Documents - 849489071442

	<p>Commercial Electric 4 FT. LED Shop Light - Use and Care Guide</p> <p>Comprehensive use and care guide for the Commercial Electric 4 FT. LED Shop Light (Model 54103161). Includes installation instructions, safety warnings, warranty information, care tips, and troubleshooting for model 1000-532-467.</p>
	<p>Commercial Electric Extend + Tilting TV Wall Mount MB-64649 User Guide</p> <p>Comprehensive use and care guide for the Commercial Electric Extend + Tilting TV Wall Mount, model MB-64649. This guide covers installation, safety precautions, and warranty information for mounting TVs between 42" and 90".</p>
	<p>Commercial Electric 16-Inch Turbo Fan Use and Care Guide</p> <p>Comprehensive guide for the Commercial Electric 16-inch 3-Speed High Velocity Turbo Fan, covering safety, assembly, operation, maintenance, and cleaning instructions.</p>

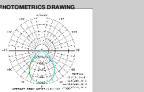
 <p>USE AND CARE GUIDE DIMMABLE LED RECESSED LIGHT</p> <p>Read this guide before installing and using the light fixture. It contains important safety information, warranty details, pre-installation steps, installation instructions, and cleaning recommendations.</p> <p>Model: 50232161 SKU: 1002760845</p>	<p>Commercial Electric Dimmable LED Recessed Light Use and Care Guide</p> <p>This guide provides instructions for the use and care of Commercial Electric dimmable LED recessed lights, including safety information, warranty details, pre-installation steps, installation instructions, and cleaning recommendations.</p>
 <p>USE AND CARE GUIDE 16 FT. WHITE LED TAPE LIGHT WITH REMOTE</p> <p>Read this guide before installing and using the light fixture. It contains important safety information, warranty details, pre-installation steps, installation instructions, and cleaning recommendations.</p> <p>Model: 50232161 SKU: 1002760845</p>	<p>Commercial Electric 16 ft. White LED Tape Light with Remote - Use and Care Guide</p> <p>This guide provides instructions for the use and care of the Commercial Electric 16 ft. White LED Tape Light with Remote. It includes safety information, installation steps, operation details, and troubleshooting tips.</p>
 <p>USE AND CARE GUIDE FULL MOTION TV WALL MOUNT FOR FLAT PANEL TV'S (26" - 65" / 66.04" - 165.10")</p> <p>Read this guide before installing and using the light fixture. It contains important safety information, warranty details, pre-installation steps, installation instructions, and cleaning recommendations.</p> <p>Model: 50232161 SKU: 1002760845</p>	<p>Commercial Electric XD2616-L Full Motion TV Wall Mount: Use & Care Guide</p> <p>Comprehensive guide for installing and using the Commercial Electric XD2616-L full motion TV wall mount. Includes safety, installation steps, troubleshooting, and warranty information for flat panel TVs.</p>

Documents - Commercial Electric – 849489071442



PRODUCT SPECIFICATIONS
2ft Linear High Bay

SKU# 1002760845



PHOTOMETRICS DRAWING

3.62in 24.72in 12.60in

SPECIFICATIONS

Model Number	50232161
SKU#	1002760845
Color	White
Power	171W
Power Factor	0.99
Power Factor @ 0.5V	0.99
Power Factor @ 1.0V	0.99
Power Factor @ 1.5V	0.99
Power Factor @ 2.0V	0.99
Power Factor @ 2.5V	0.99
Power Factor @ 3.0V	0.99
Power Factor @ 3.5V	0.99
Power Factor @ 4.0V	0.99
Power Factor @ 4.5V	0.99
Power Factor @ 5.0V	0.99
Power Factor @ 5.5V	0.99
Power Factor @ 6.0V	0.99
Power Factor @ 6.5V	0.99
Power Factor @ 7.0V	0.99
Power Factor @ 7.5V	0.99
Power Factor @ 8.0V	0.99
Power Factor @ 8.5V	0.99
Power Factor @ 9.0V	0.99
Power Factor @ 9.5V	0.99
Power Factor @ 10.0V	0.99

PACKAGING

Model Number	50232161
SKU#	1002760845
Weight	1.25lb
Dimensions	24.72in x 3.62in x 12.60in
Volume	1.25lb
Volume	1.25lb
Volume	1.25lb

ADVANTAGES

- High-Temperature Metal Housing for 50,000 Hours of Continuous Use
- 4x4 High-Temperature
- High-Temperature Plastic Components from -40°F to 127°F
- 4x4 Suspension Surface and Steel Installation
- Metal Mounting Height of 18" - 24"
- 4x4 100' Dimmer Compatible
- 4x4 100' Dimmer Compatible

INCLUDED IN BOX

- Cover Plate (1)
- Cable Tie (2)
- Cable with 4-Loop (2)
- Installation Guide (2)
- 4x4 100' Dimmer (2)
- 4x4 100' Dimmer (2)

SUSPENDED SURFACE MOUNT

CONTACT INFORMATION

1-877-827-0210 WWW.COMMERCIALELECTRIC.COM

[pdf] Specifications Dimension Guide Warranty Catalog

2 ft 400 Watt Equivalent 18 000 Lumens 171 Watts Integrated LED Dimmable White High Bay Light 120

277 Volt 5000K Specification Commercial Electric 50232191 849489071442 0849489071442

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PRODUCT SPECIFICATIONS 2ft Linear High Bay 50232161 sku# 1002760845

3.62in 24.72in Photometrics drawing 12.60in SPECIFICATIONS Model Number SKU OSMID Power AC Voltage, Frequency Color Temp nom. Operation Temp CRI Lumen Output min. Dimming Lifetime Rating Efficacy 50232161 1002760845 30245...

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