kadision LSFC-40-3CT

Kadision 4FT Linkable LED Linear Light Instruction Manual

Model: LSFC-40-3CT

1. INTRODUCTION

Thank you for choosing the Kadision 4FT Linkable LED Linear Light. This architectural linear lighting fixture is designed for various commercial and residential applications, offering high performance, energy efficiency, and versatile lighting options. It features selectable color temperatures (3000K, 4000K, 5000K) and 0-10V dimming capability, providing uniform and flicker-free illumination. This manual provides essential information for safe installation, operation, and maintenance of your new lighting fixture.

Image: Overview of the 4FT Linkable Linear Suspended Light highlighting its features.

2. IMPORTANT SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power before installation or servicing.

- Read all instructions carefully before installing or using this fixture.
- Installation must be performed by a qualified electrician in accordance with the National Electrical Code (NEC) and local codes.
- Ensure the supply voltage is compatible with the fixture's requirements (120V).
- Do not install in wet locations. This fixture is for indoor use only.

- Do not modify the fixture or use it for purposes other than its intended use.
- Handle with care. Avoid touching the LED surface directly.
- Keep packaging materials away from children.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 4FT Linkable LED Linear Light Fixtures (4-Pack)
- Mounting Hardware (includes adjustable aircraft cables, ceiling mounts, screws, anchors)
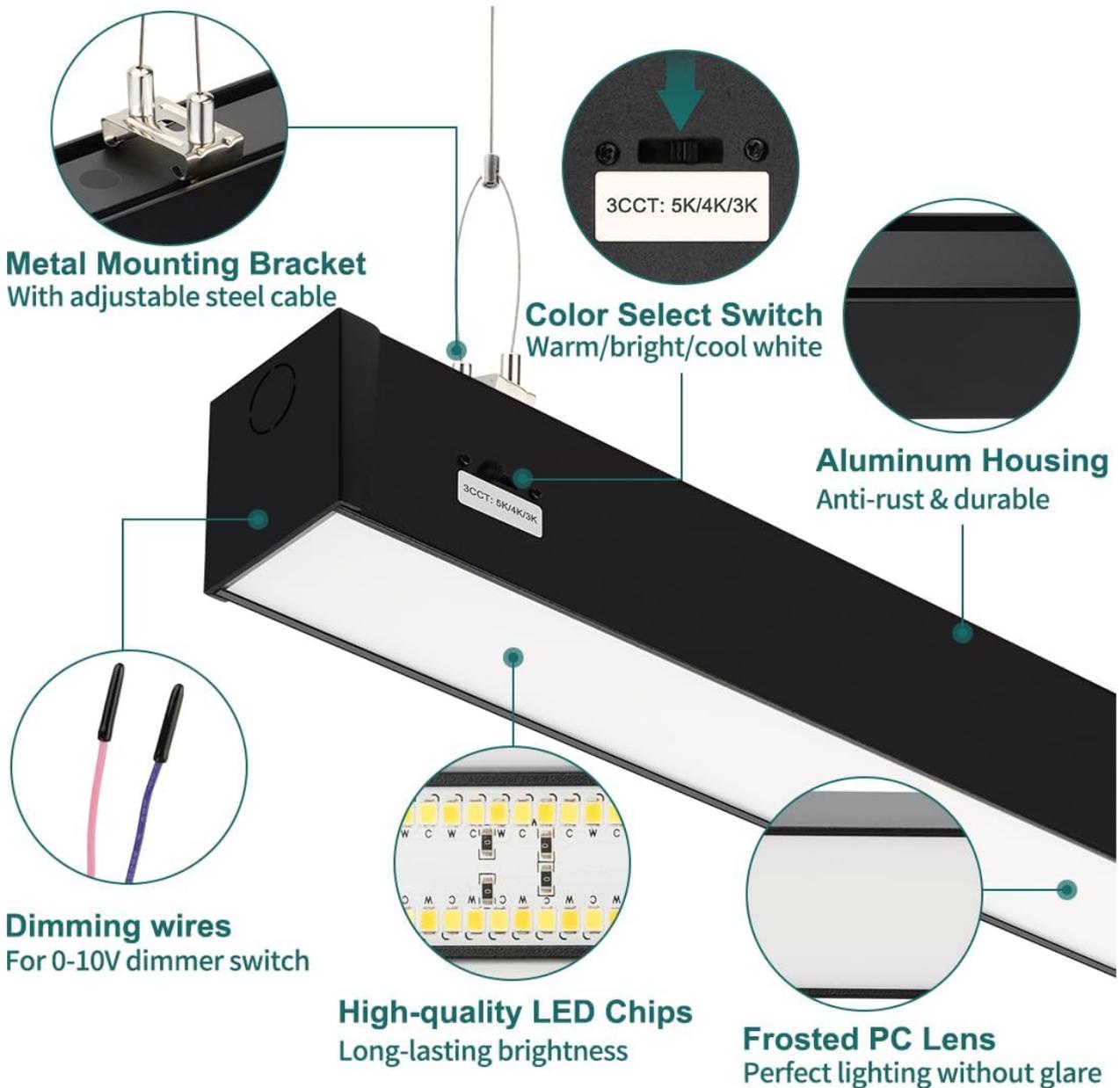
Metal Mounting Bracket
With adjustable steel cable

3CCT: 5K/4K/3K

Color Select Switch
Warm/bright/cool white

Aluminum Housing
Anti-rust & durable

3CCT: 5K/4K/3K

Dimming wires
For 0-10V dimmer switch

High-quality LED Chips
Long-lasting brightness

Frosted PC Lens
Perfect lighting without glare

Image: Detailed view of the linear light fixture and its included mounting hardware.

4. PRODUCT SPECIFICATIONS

Feature	Specification

Model Number	LSFC-40-3CT
Dimensions (L x W x H)	45.67" x 2.52" x 2.17"
Wattage	40W
Lumen Output	5200 lm
Efficacy	130 lm/W
Color Temperature (CCT)	3000K / 4000K / 5000K Selectable
Dimmability	0-10V (dimmer not included)
Voltage	120V
Material	Aluminum, Polycarbonate
Installation Type	Suspended Mount
Lifespan	50,000 hours
Certifications	ETL-Listed
Linkability	Up to 10 fixtures at 120V

5. Setup and Installation

This fixture is designed for suspended mounting. Ensure power is disconnected at the circuit breaker before proceeding.

5.1. Mounting the Fixture

1. **Install Cable Mount Caps:** Securely attach the cable mount caps to the ceiling using appropriate screws and anchors (provided). Ensure they are spaced correctly for your fixture's length.
2. **Assemble Steel Cables:** Thread the adjustable steel cables through the cable mount caps. The cables allow for easy height adjustment.
3. **Insert Brackets:** Insert the metal mounting brackets into the designated slots on the top of the linear light fixture.
4. **Hang the Fixture:** Attach the steel cables to the mounting brackets on the fixture. Adjust the cable length by pressing the release button on the cable gripper to achieve the desired hanging height (up to 64.17 inches / 163 cm).

Easy Height Adjustment

2.17in / 5.5cm

2.52in / 6.4cm

Press

Adjustable Height Up to
64.17in / 163cm

45.67in / 116cm

Mounting Kit

(Electrical cord not provided)

Image: Illustration of the easy height adjustment mechanism for the suspended linear light.

5.2. Electrical Wiring

The fixture is hard-wired. A power cord is not provided. Follow local electrical codes.

1. **Connect Power:** Connect the fixture's black wire to the live (hot) wire, the white wire to the neutral wire, and the green/bare wire to the ground wire from your electrical supply.

2. **Connect Dimming Wires (Optional):** If using 0-10V dimming, connect the purple wire to the dimmer's positive (+) dimming wire and the pink wire to the dimmer's negative (-) dimming wire. If not using dimming, cap these wires individually.

5.3. Seamless Connection (Linkability)

Multiple fixtures can be linked together for a continuous run of light. Up to 10 fixtures can be linked at 120V.

1. **Easy Wiring:** Ensure the wiring is accessible for connection between fixtures.

2. **Quick Connections:** Align the ends of the fixtures and use the integrated connectors for a secure electrical and mechanical connection.

3. **Secure Link:** Use the provided screws to secure the linked fixtures together, ensuring a stable and continuous installation.

Image: Step-by-step guide illustrating the installation process, including easy wiring, quick connections, and linkability.

6. OPERATING INSTRUCTIONS

6.1. Color Temperature Selection

This fixture features a color temperature selectable switch, allowing you to choose between three distinct light colors:

- **3000K (Warm White):** Provides a cozy and welcoming ambiance.
- **4000K (Bright White):** Offers efficient and natural illumination, suitable for general tasks.
- **5000K (Cool White):** Delivers vibrant and attentive lighting, ideal for task-oriented environments.

Locate the small switch on the side of the fixture and slide it to your desired color temperature setting before or after installation.
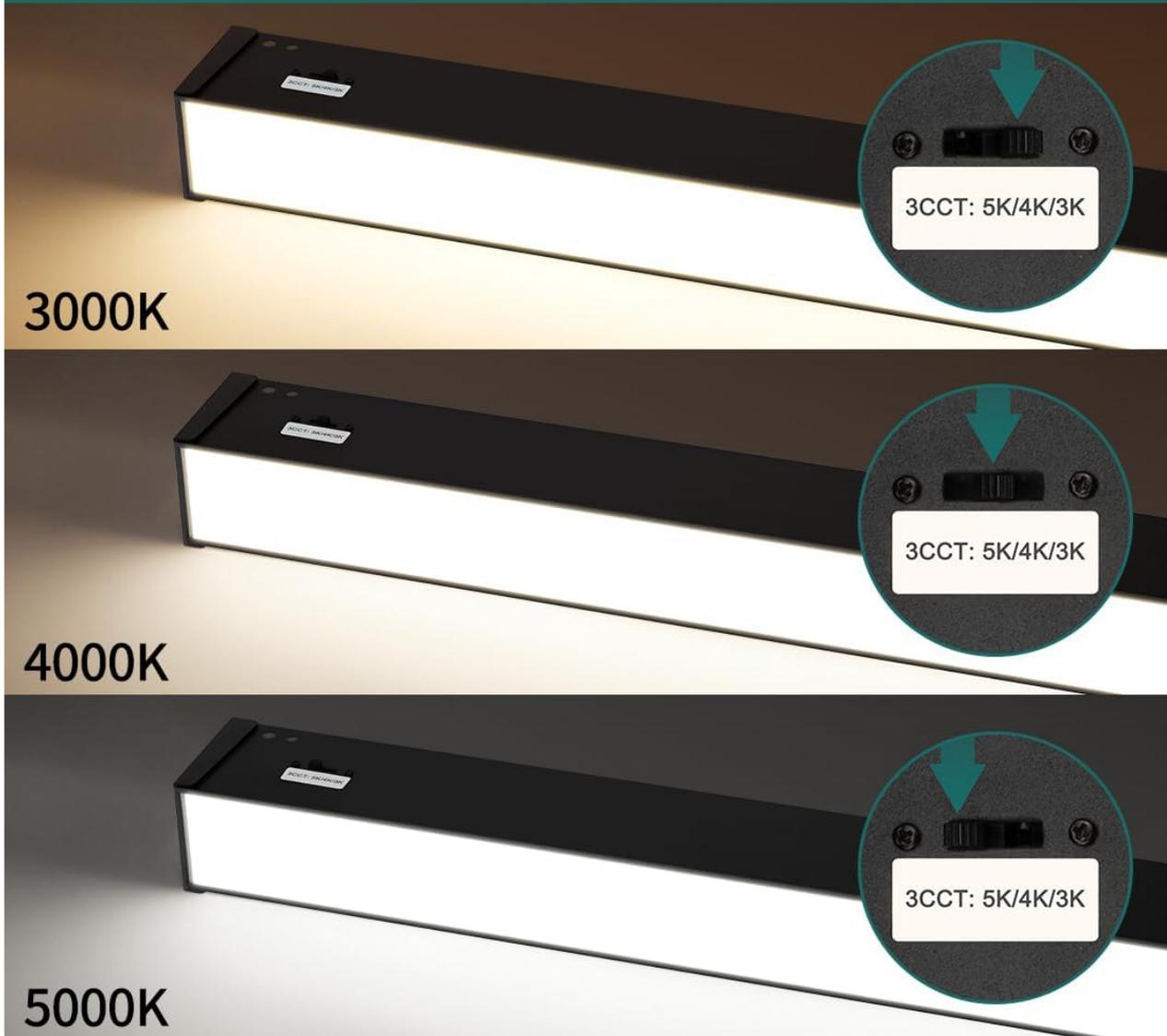
Image: Visual representation of the three selectable color temperatures (3000K, 4000K, 5000K) and the switch location.

6.2. 0-10V Dimming

The fixture supports 0-10V dimming, allowing for smooth and precise control of brightness from 0% to 100%. A compatible 0-10V dimmer switch (not included) is required for this functionality. Connect the dimming wires as described in the 'Electrical Wiring' section.

Image: Depiction of the 0-10V smooth dimming feature in an office environment, showing various brightness levels.

7. MAINTENANCE

The Kadision LED Linear Light is designed for long-term, low-maintenance operation. Follow these guidelines for optimal performance:

- **Cleaning:** Ensure the fixture is turned off and cool before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface. Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these can damage the finish or lens.
- **Inspection:** Periodically inspect the fixture and wiring for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **LEDs:** The integrated LED chips are designed for a long lifespan (50,000 hours) and are not user-replaceable.

8. TROUBLESHOOTING

If you encounter issues with your fixture, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty switch/dimmer	Check circuit breaker and wall switch. Verify all wiring connections are secure (ensure power is off). Test switch/dimmer or bypass temporarily.
Light flickers or dims inconsistently	Incompatible dimmer Loose dimming wires Voltage fluctuations	Ensure dimmer is 0-10V compatible. Check dimming wire connections. Consult an electrician for voltage stability.
Incorrect color temperature	CCT switch set incorrectly	Adjust the color temperature switch on the fixture.
Fixture not linking properly	Improper connection between fixtures Exceeded maximum linkable quantity	Ensure connectors are fully engaged and secured. Do not exceed 10 fixtures at 120V.

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

9. WARRANTY AND SUPPORT

Kadision provides a **5-year warranty** for this ETL-listed linear pendant light, ensuring its quality and performance for at least 50,000 hours of operation.
Should you have any questions, require technical assistance, or need to make a warranty claim, please contact us directly via Amazon's Buyer-Seller Messaging Service. Our customer support team is available to assist you.