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› [DAKASON 8FT LED Linear Light Instruction Manual \(Model LS-8B-50KFD\)](#)

DAKASON LS-8B-50KFD

DAKASON 8FT LED Linear Light Instruction Manual

Model: **LS-8B-50KFD** | Brand: **DAKASON**

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the DAKASON 8FT LED Linear Light. This commercial-grade lighting fixture is designed for various indoor applications such as offices, workshops, gyms, and markets. It features adjustable color temperature (CCT) and wattage settings, along with 0-10V dimming capability, to provide versatile and energy-efficient illumination.

This manual provides essential information for the safe installation, operation, and maintenance of your LED linear light. Please read it thoroughly before installation and retain it for future reference.

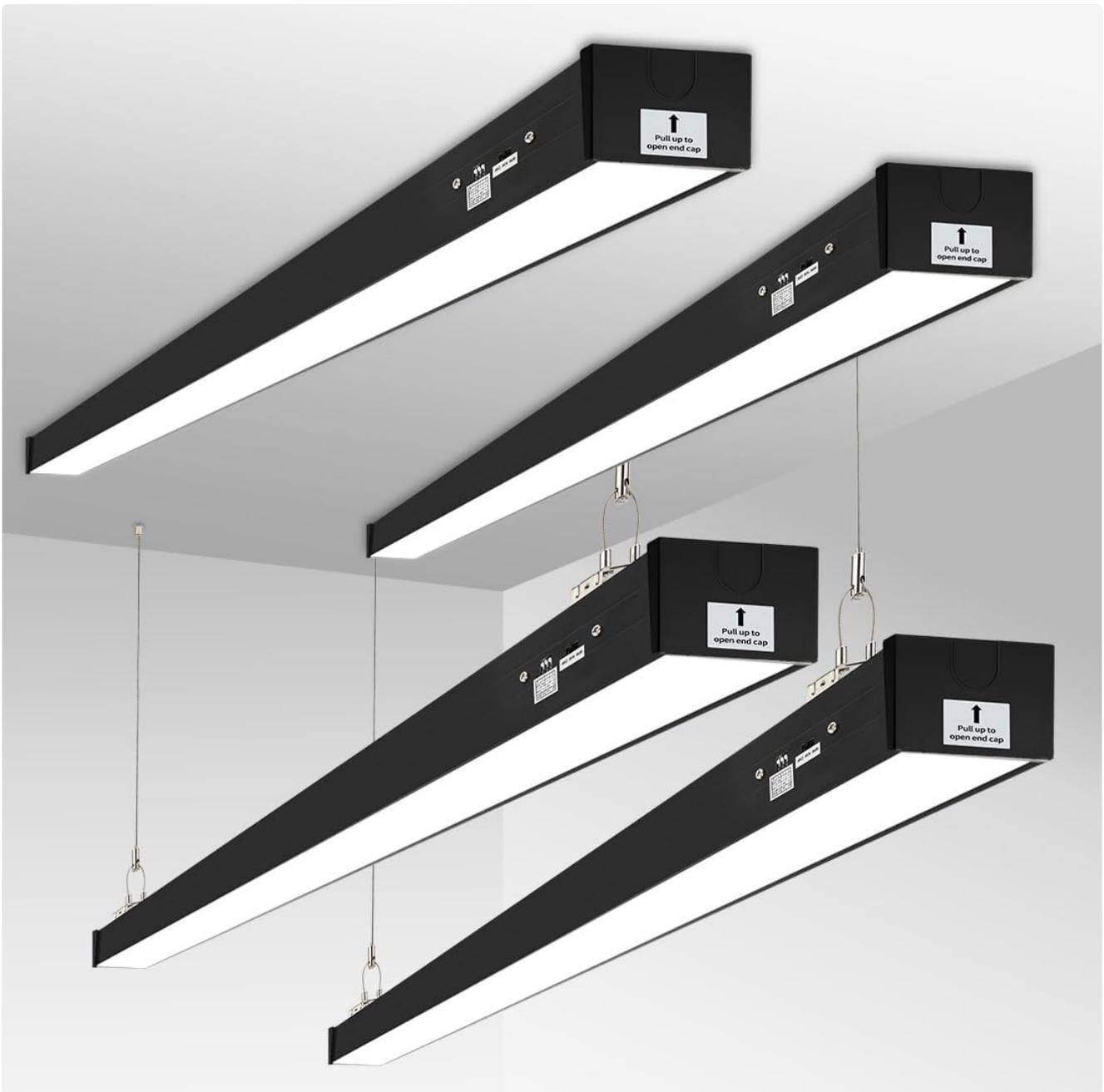


Figure 1: DAKASON 8FT LED Linear Light (Black)

2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with national and local electrical codes. Ensure power is disconnected at the circuit breaker before installation, maintenance, or cleaning.
- **Grounding:** The fixture must be properly grounded to prevent electrical shock.
- **Voltage:** Verify that the supply voltage matches the fixture's requirements (110-277Vac).
- **Indoor Use Only:** This fixture is designed for indoor use and is not water resistant. Do not install in wet or damp locations.
- **Handling:** Handle the fixture with care to avoid damage to the LED components or housing.
- **ETL Certified:** This product is ETL certified, ensuring compliance with rigorous electrical safety regulations.

3. PACKAGE CONTENTS

Please check the package contents to ensure all parts are present and undamaged:

- DAKASON 8FT LED Linear Light Fixture(s)
- Suspension Kit (includes suspension ropes and clips)
- Mounting Hardware (screws, anchors, ceiling mount clips)
- Wire Caps for Hardwire connection

Note: Power cable cord is NOT included and must be supplied by the installer. These fixtures are NOT designed to link together.

4. SETUP AND INSTALLATION

The DAKASON 8FT LED Linear Light supports both suspended and flush mount installations. Choose the method appropriate for your application.

4.1 Before Installation

- Turn off power at the circuit breaker before beginning installation.
- Ensure the mounting surface can support the weight of the fixture.
- Gather necessary tools (e.g., drill, screwdriver, wire strippers, measuring tape).

4.2 Suspended Installation

1. Mark the desired locations for the suspension points on the ceiling. Ensure they are appropriately spaced for the 8-foot fixture.
2. Install the ceiling anchors and hooks for the suspension ropes.
3. Attach the suspension ropes to the fixture's mounting brackets. The cable length is adjustable up to 78 inches.
4. Lift the fixture and connect the suspension ropes to the ceiling hooks, adjusting the height as needed.
5. Perform wiring as described in Section 4.4.



Figure 2: Installation options and included accessories (Power Cable NOT Included)

4.3 Flush Mount Installation

1. Mark the desired mounting locations on the ceiling for the ceiling mount clips.
2. Securely attach the ceiling mount clips to the ceiling using the provided screws and anchors.
3. Align the fixture with the installed clips and snap it into place.
4. Perform wiring as described in Section 4.4.

4.4 Wiring Instructions

- Open the wiring compartment on the fixture.
- Connect the AC power supply wires (Live, Neutral, Ground) to the corresponding terminals inside the fixture using the provided wire caps. Ensure all connections are secure.
- For 0-10V dimming functionality, connect the dimmer control wires (Dim+ and Dim-) to the designated dimming terminals. A compatible 0-10V dimmer switch (not included) is required. Refer to the dimmer manufacturer's instructions for specific wiring details.
- Close the wiring compartment securely.

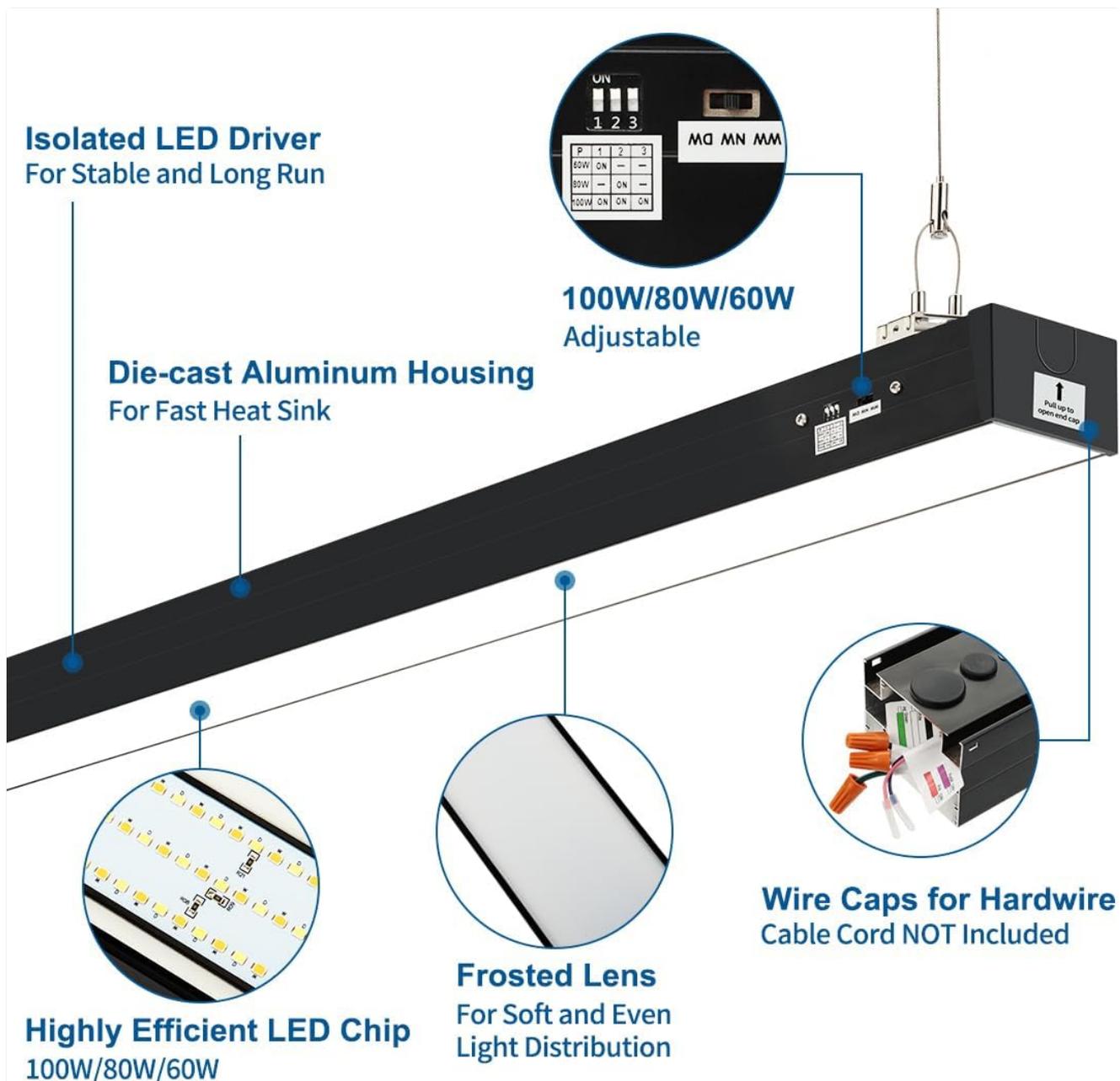


Figure 3: Internal view showing wiring compartment and selectable switches.

5. OPERATING INSTRUCTIONS

The DAKASON LED Linear Light offers adjustable color temperature and wattage settings to suit your lighting needs.

5.1 Color Temperature (CCT) Selection

The fixture has a selectable CCT switch located on the side of the unit. Before powering on the fixture, slide the switch to choose your desired color temperature:

- **3000K (Warm White):** For a cozy and inviting ambiance.
- **4000K (Neutral White):** For a balanced and natural light, ideal for general tasks.
- **5000K (Daylight White):** For bright, crisp illumination, suitable for task-intensive environments.

Color Selectable

3000K/4000K/5000K



Figure 4: CCT selection switch and visual representation of color temperatures.

5.2 Wattage Selection

A separate wattage selection switch is also located on the side of the fixture. This allows you to adjust the light output (brightness) of the fixture. Select one of the following options before powering on:

- **60W:** Provides 6,000 lumens.
- **80W:** Provides 8,000 lumens.
- **100W:** Provides 10,000 lumens (maximum brightness).

Power Selectable

100W/80W/60W



Figure 5: Wattage selection switch and corresponding lumen output.

5.3 0-10V Dimming

This fixture is compatible with 0-10V dimmer switches (not included). Once wired correctly (refer to Section 4.4), you can control the brightness from 0% to 100% without flickering or buzzing. Ensure you use a compatible 0-10V dimmer for proper functionality.

0-10V Smooth Dimming

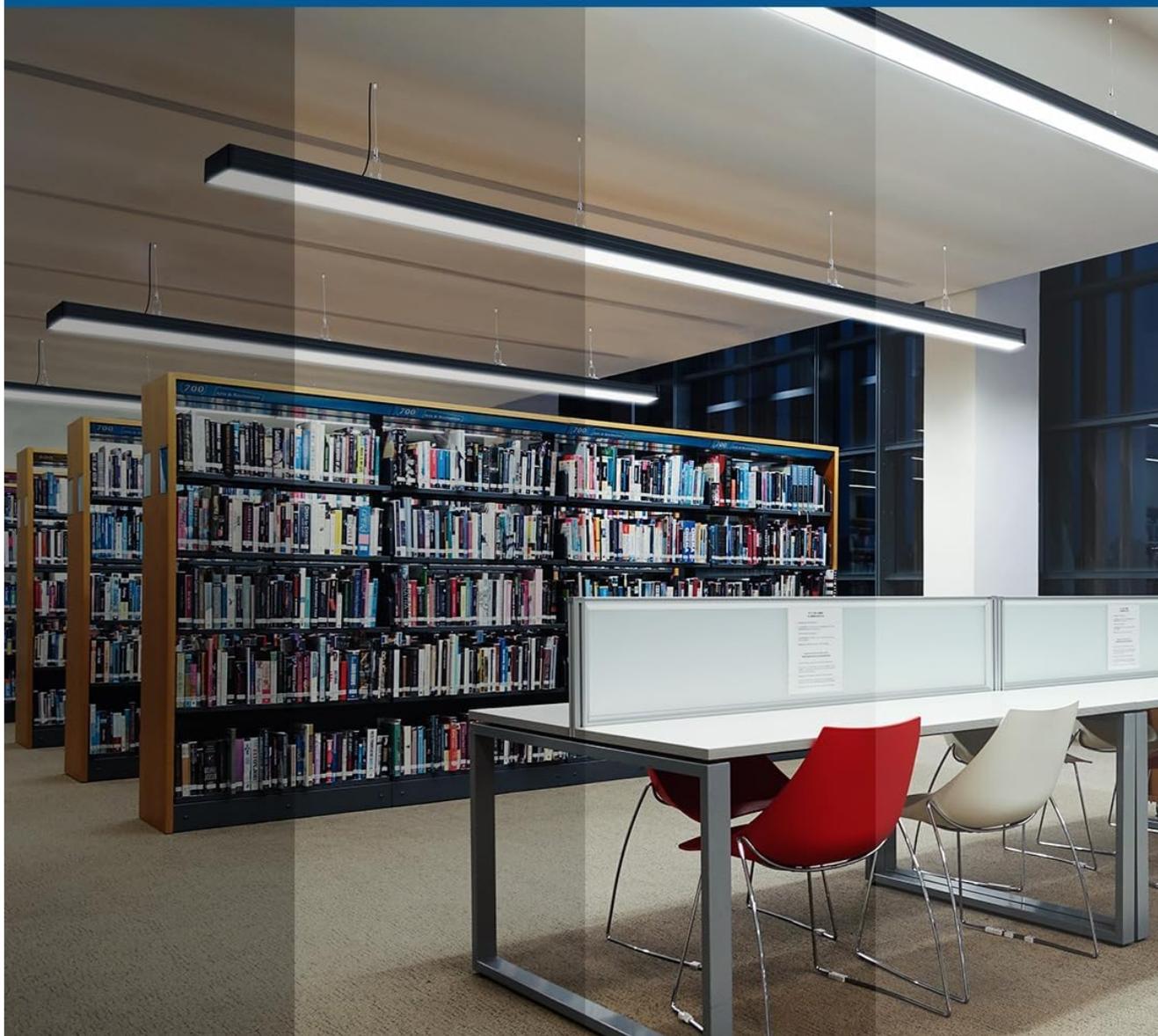


Figure 6: Example of 0-10V dimming in an office environment.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DAKASON LED Linear Light.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the exterior of the fixture. Avoid abrasive cleaners or solvents that could damage the finish or lens.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose wiring, or wear. Address any issues promptly.
- **LEDs:** The LED chips are integrated and not user-replaceable. The fixture is designed for a long lifespan.

7. TROUBLESHOOTING

If you encounter issues with your DAKASON LED Linear Light, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; faulty switch.	Check circuit breaker. Verify all wiring connections are secure. Test the switch.
Light flickers or buzzes.	Incompatible dimmer; loose wiring; power fluctuations.	Ensure a 0-10V compatible dimmer is used. Check wiring connections. Consult an electrician for power supply issues.
Incorrect color temperature or brightness.	CCT or wattage selection switch set incorrectly.	Turn off power, then adjust the CCT and/or wattage selection switches to the desired setting. Restore power.
Dimming not working.	Incorrect dimmer wiring; incompatible dimmer; dimmer not connected.	Verify 0-10V dimmer wiring (Dim+ and Dim-). Ensure the dimmer is 0-10V compatible. Confirm dimmer is properly installed and connected.

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

8. SPECIFICATIONS

Feature	Detail
Brand	DAKASON
Model Number	LS-8B-50KFD
Product Dimensions	88"L x 2.89"W x 2"H
Wattage	100W / 80W / 60W Selectable
Brightness	Up to 10,000 Lumens (at 100W)
Color Temperature (CCT)	3000K / 4000K / 5000K Selectable
Voltage	110-277Vac
Material	Aluminum Housing + PC Lens
Installation Type	Ceiling Mount / Suspension
Control Method	0-10V Dimming (dimmer not included), Selectable Switches
Indoor/Outdoor Usage	Indoor
Certifications	ETL Certified
Included Components	Suspension Kit, Mounting Hardware

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official DAKASON website. If you have any questions, require technical assistance, or need to report an issue, please contact DAKASON customer support. You can typically find contact information on the product packaging or the manufacturer's website.

Contact: Please feel free to write to us if any issue, we will reply within 24 hours.