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› **User Manual: Kadision 4FT Linkable LED Linear Light**

kadision 4FT Linkable LED Linear Light

Kadision 4FT Linkable LED Linear Light
User Manual

1. INTRODUCTION

The Kadision 4FT Linkable LED Linear Light is a high-performance, versatile lighting fixture designed for various indoor applications such as offices, retail spaces, and commercial environments. Featuring adjustable wattage, color temperature, and optional up/down lighting, this fixture provides customizable illumination to suit diverse needs. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new LED linear light.

Image: Overview of the Kadision 4FT Linkable LED Linear Light fixtures installed.

2. Safety Information

WARNING: Risk of Electric Shock. Installation should be performed by a qualified electrician.

- Always disconnect power at the circuit breaker before installing or performing any maintenance on the fixture.
- Ensure the fixture is properly grounded to avoid potential electric shock.
- Do not install in wet or damp locations. This product is designed for indoor use only.
- Do not modify the fixture or use it for purposes other than its intended use.
- Handle the fixture with care to prevent damage to components.
- Wear appropriate personal protective equipment (PPE) during installation.
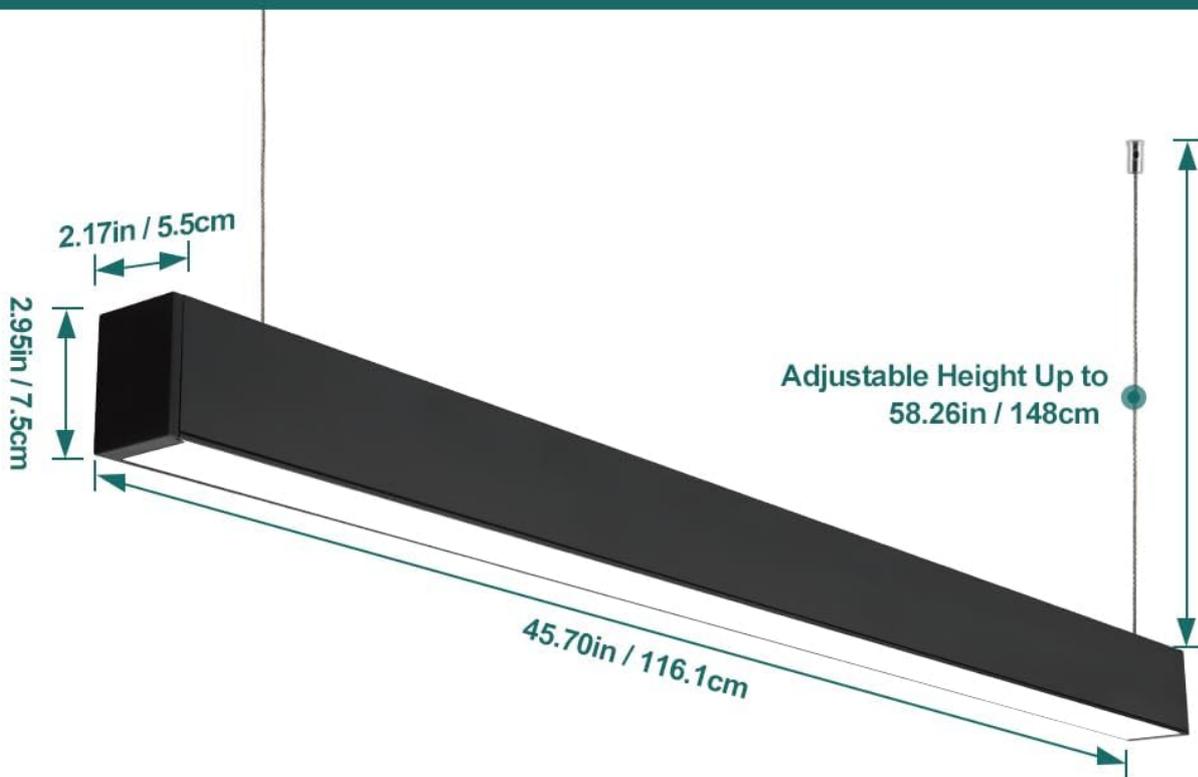
3. Package Contents

Verify that all components are present before beginning installation. The package includes:

- Kadision 4FT LED Linear Light Fixture(s)
- Mounting Kit, which typically includes:
  - Plastic Wall Anchors (x2)
  - Self-tapping Screws (x2)
  - Truss Head Machine Screws (x6)
  - Wire Slings (x2 per fixture)
  - Length Adjuster Bases (x2 per fixture)
  - Hanging Splices (x2 per fixture, for linking)

Note: Input power cable is not provided and must be supplied by the installer.

Image: Dimensions and included mounting kit components.

4. PRODUCT FEATURES

- **Contemporary Design:** Streamlined aluminum fixture for modern aesthetics.
- **Adjustable Up/Down Lighting:** Choose between 100% downward illumination or a 70% down + 30% up light combination to brighten ceilings and reduce the "cave effect".
- **5 Selectable Wattage Levels:** Easily adjust brightness with options for 50W, 45W, 40W, 35W, and 30W.
- **0-10V Dimmable:** Compatible with 0-10V dimmers (dimmer not included) for precise light control.
- **3 Selectable Color Temperatures (CCT):** Switch between 3000K (Warm White), 4000K (Natural White), and 5000K (Daylight) to create the desired ambiance.
- **Seamless Connection:** Unique quick-connect ends allow for continuous, wire-free runs for 4FT lights (8FT lights require separate wiring for each unit).
- **Durable Construction:** Made with a strong aluminum case and a frosted PC diffuser for even, glare-free light distribution.
- **ETL-Listed:** Ensures compliance with North American safety standards.

Image: Switches for adjusting wattage, color temperature, and uplighting.

Superior Design

Quick-Connect Terminal Block
compatible with 0-10V dimmer

Strong Aluminum Case
resistant to corrosion

Quick-Link End
create continuous runs of light

Frosted PC Diffuser
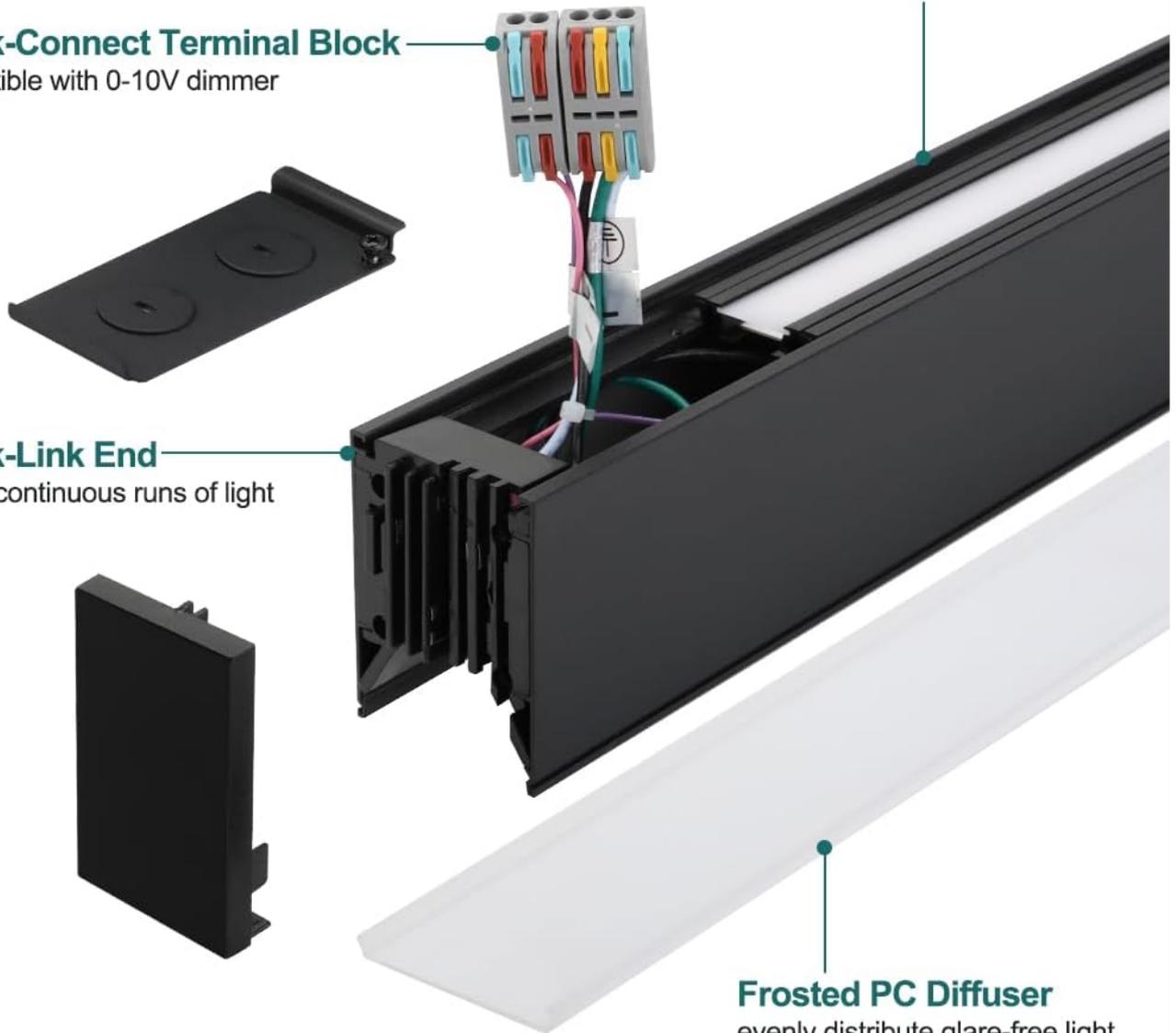evenly distribute glare-free light

Image: Internal components and superior design features.

5. SETUP AND INSTALLATION

Follow these steps carefully for proper installation. It is recommended to have two people for installation due to the length of the fixture.

5.1. Prepare for Installation

- Turn off power at the circuit breaker before starting.
- Unpack the fixture and components. Inspect for any damage.
- Determine the desired mounting location and height. The adjustable wire slings allow for heights up to 58.26 inches (148 cm).

5.2. Suspended Mount Installation

1. **Install Ceiling Anchors:** Mark the positions for the ceiling anchors according to the fixture's length. Drill pilot holes and insert the plastic wall anchors. Secure the length adjuster bases to the ceiling using the self-tapping screws.

2. **Attach Wire Slings:** Connect the wire slings to the length adjuster bases on the ceiling.

3. **Connect to Fixture:** Carefully attach the other end of the wire slings to the designated attachment points on the top of the linear light fixture. Ensure they are securely fastened.

4. **Adjust Height:** Use the length adjusters to set the desired hanging height of the fixture. Press the button on the adjuster to release or tighten the wire.

Suspended Mount LED Linear Light

Install the steel cable to the ceiling

Fasten the cable onto light fixture

Press to adjust

Image: Suspended mount installation steps and height adjustment.

5.3. Electrical Connection

- Locate the quick-connect terminal block on the fixture.
- Connect the main power supply wires (Live, Neutral, Ground) to the corresponding terminals on the block. Ensure correct polarity (Black to Black, White to White, Green/Bare to Green/Ground).
- If using 0-10V dimming, connect the dimmer wires to the appropriate dimming terminals on the fixture.
- Ensure all connections are secure and insulated.

5.4. Seamless Connection (for multiple 4FT fixtures)

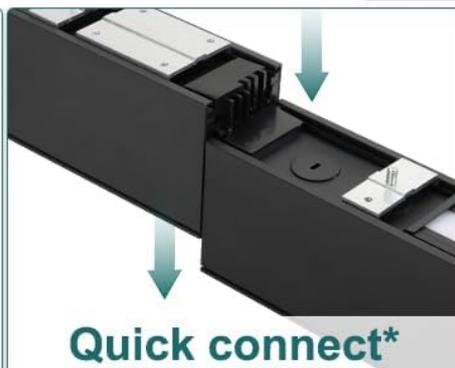For continuous runs of 4FT fixtures, use the quick-link ends:

1. **Open End Cap:** Remove the end cap from one end of the first fixture and the corresponding end of the next fixture.

2. **Quick Connect:** Align and push the quick-link ends of the two fixtures together until they click into place, creating a seamless physical and electrical connection.

3. **Fasten Joint:** Secure the joint using the provided screws or fasteners to ensure stability.

Note: Only 4FT suspended linear lights support single power feed connection for linked units (up to 10 lights). For 8FT lights, you will need to run separate power cables to each fixture.
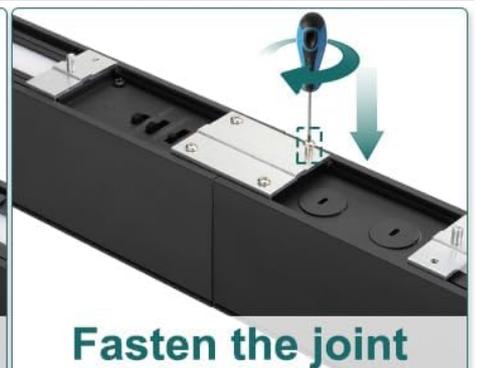
Seamless Connection
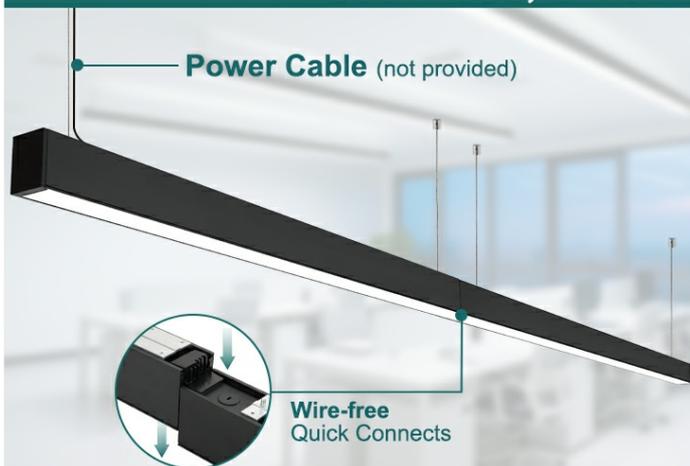
Open end cap

Quick connect*

Fasten the joint

*Wire-free connection for **4FT** lights only. **8FT** lights need to be wired separately.

Image: Steps for seamless connection of multiple fixtures.

Seamless, Smooth Continuous Runs
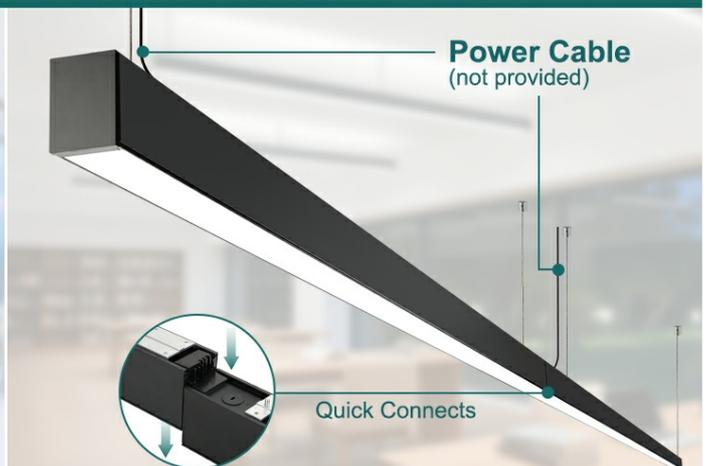
Power Cable (not provided)

Wire-free Quick Connects

Power Cable (not provided)

Quick Connects

4FT Single power feed installation (linkable up to 10 lights) | **8FT** Need to run cables to each light (endless linear runs)

6. OPERATING INSTRUCTIONS

Once installed and powered, you can customize the light output using the integrated switches on the fixture.

6.1. Adjusting Wattage (Brightness)

Locate the wattage selection switch on the fixture. Slide the switch to select one of the five available wattage options:

- 50W (Highest Brightness)
- 45W
- 40W
- 35W
- 30W (Lowest Brightness)

Image: Details on wattage options and other lighting characteristics.

6.2. Selecting Color Temperature (CCT)

Use the CCT selection switch to choose your preferred light color:

- 3000K (Warm White): For a cozy and inviting atmosphere.
- 4000K (Natural White): For efficient and natural lighting.
- 5000K (Daylight): For vibrant and attentive environments.

Image: Examples of different color temperatures in various settings.

6.3. Controlling Up/Down Lighting

The fixture offers flexibility in light distribution:

- **100% Downward Lighting:** Provides focused illumination.
- **70% Down + 30% Up Lighting:** Brightens the ceiling and upper walls, eliminating the "cave effect" and providing more balanced ambient light.

Use the dedicated switch on the fixture to toggle between these modes.

Direct/indirect lighting	Direct lighting
fulfills both illumination and atmospheric needs	provides adequate and focused illumination
30% Up / 70% Down	0% Up / 100% Down

Image: Comparison of direct/indirect and direct lighting modes.

6.4. 0-10V Dimming

If connected to a compatible 0-10V dimmer (purchased separately), you can continuously adjust the light output from 100% down to 10% (or lower, depending on dimmer specifications).

7. MAINTENANCE

The Kadision LED Linear Light requires minimal maintenance.

- **Cleaning:** Ensure the power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Inspection:** Periodically check the mounting hardware and electrical connections to ensure they remain secure.
- **LED Longevity:** LEDs have a long lifespan and do not require bulb replacement.

8. TROUBLESHOOTING

If you encounter issues with your LED linear light, 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 electrical connections are secure (ensure power is off first). Test the switch or dimmer.
Light flickers or dims unexpectedly.	Incompatible dimmer. Loose wiring. Voltage fluctuations.	Ensure 0-10V dimmer is compatible. Check all wiring connections. Consult an electrician if voltage issues are suspected.
Incorrect color temperature or brightness.	Switches set incorrectly.	Adjust the CCT and wattage selection switches on the fixture to desired settings.

Problem	Possible Cause	Solution
Uplight not working.	Uplight switch is off.	Toggle the uplight ON/OFF switch on the fixture.

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

9. SPECIFICATIONS

Attribute	Detail
Brand	Kadision
Model	4FT Linkable LED Linear Light
Dimensions (L x W x H)	45.67" x 2.95" x 2.17" (116.0 cm x 7.5 cm x 5.5 cm)
Material	Aluminum
Wattage Options	30W / 35W / 40W / 45W / 50W (Selectable)
Brightness (Max)	5500 Lumens (at 50W)
Color Temperature (CCT)	3000K / 4000K / 5000K (Selectable)
Voltage	120 Volts
Dimmability	0-10V Dimmable (dimmer not included)
Installation Type	Suspended Mount
Indoor/Outdoor Usage	Indoor Use Only
Certifications	ETL-Listed

10. WARRANTY AND SUPPORT

Kadision stands behind the quality of its products.

- **Warranty:** This product is covered by a 3-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
- **Customer Support:** For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Kadision customer service directly via the Amazon Buyer-Seller Messaging Service or through the contact information provided on the Kadision brand store.

Please retain your proof of purchase for warranty purposes.

Related Documents - 4FT Linkable LED Linear Light

[Hykolity WING Series 4FT LED Architectural Suspended Linear Light Specifications and Usage](#)
Comprehensive specifications, technical data, and essential usage and safety guidelines for the Hykolity WING Series 4FT LED Architectural Suspended Linear Light (LL40W345K8-HB-BK-4R).

[Hykolity Ship Series 4FT LED Vapor Tight Light - Specifications and Installation](#)
Detailed specifications, features, applications, and installation guide for the Hykolity Ship Series 4FT LED Vapor Tight Light. Features 3CCT selectable, power selectable, 0-10V dimmability, and IP65 rating for various environments.

[Archipelago Lighting LPVT Luxmark Series: High-Performance LED Troffers](#)
Discover the Archipelago Lighting LPVT Luxmark series, a versatile and high-performance LED troffer designed for modern office spaces, schools, and commercial environments. Featuring selectable wattage and CCT, durable construction, and easy installation.

[StarTek Perimeter Beam Linear Lighting System](#)
Detailed specifications, features, mounting options, and performance data for the StarTek Perimeter Beam linear lighting system. Includes information on shielding, distribution, housing, electrical configurations, and dimming options.

[Lithonia Linear LED Suspended Fixture - Specifications and Ordering Guide](#)
Detailed specifications, features, and ordering information for the Lithonia Linear LED Suspended fixture, including control options, mounting hardware, and performance data.

[Pinnacle EDGE EX1D 1" Suspended Direct Linear LED Lighting Fixture - Specifications and Data](#)
Comprehensive specification sheet for the Pinnacle Architectural Lighting EDGE EX1D 1" Suspended Direct Linear LED fixture. Details key features, customizable configurations (shielding, output, length, mounting, voltage, driver, circuiting, finish), photometrics, and applications. Part of the Legrand family.