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› [hykolity 4FT Linkable LED Linear Light \(Model HBLL-FLC03\) Instruction Manual](#)

## hykolity HBLL-FLC03

# hykolity 4FT Linkable LED Linear Light Instruction Manual

Model: HBLL-FLC03

## 1. INTRODUCTION

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Thank you for choosing the hykolity 4FT Linkable LED Linear Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting fixture. Please read these instructions thoroughly before installation and retain them for future reference.

This LED linear light is designed for various indoor applications, including commercial offices, living rooms, restaurants, exhibition halls, garages, workshops, and storage areas. It features dimmable functionality, selectable color temperatures (3000K, 4000K, 5000K), and a linkable design for seamless connections.

## 2. SAFETY INSTRUCTIONS

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**WARNING:** To prevent electric shock, fire, or injury, always follow basic safety precautions when installing or using this product.

- **Turn off the power at the circuit breaker before installation or maintenance.**
- Installation should be performed by a qualified electrician in accordance with all applicable national and local electrical codes.
- This product is intended for **indoor use only**. Do not use in wet or damp locations.
- Ensure the fixture is properly grounded to avoid potential electrical hazards.
- Do not modify the fixture or use it for purposes other than its intended use.
- Avoid looking directly into the LED light source when illuminated, as it may cause eye strain.
- Keep packaging materials away from children.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact hykolity customer support.

- LED Architectural Suspended Linear Channel Light Fixture(s)
- Installation Kit (includes flexible cable mounting brackets, screws, wall anchors, and cable hanging system)

# Linkable Design

Connects up to 7 units together



Step1



Step2



Step3

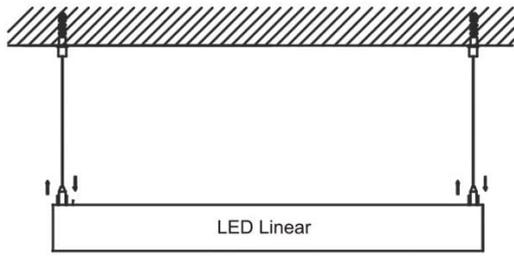
Figure 1: Product dimensions and included accessories, including mounting brackets and cables.

## 4. SETUP AND INSTALLATION

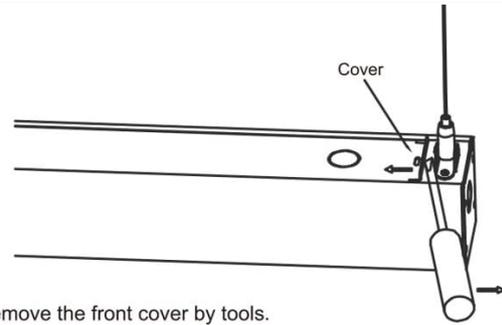
**Important:** Ensure power is OFF at the circuit breaker before starting installation.

1. **Adjust Cable Mounting Bracket:** According to your installation requirements, adjust the linear fixture using the flexible cable mounting bracket. Double-check that the cable holds tightly and securely.
2. **Remove Front Cover:** Use appropriate tools to carefully remove the front cover of the LED linear light.
3. **Connect Wiring:** Connect the AC (Live), N (Neutral), and GND (Ground) wires. If dimming functionality is desired, connect the dimmable wires (purple/gray, minimum 24 AWG, rated min 105°C, 300V). If dimming is not needed, these wires can be capped off. After connecting, put the back cover in place.
4. **Route AC and Dimmable Wires:** Break through the designated hole in the cover using a cutting nipper. Route the AC wire and dimmable wire into the LED linear fixture. If dimming is unnecessary, no connection to the dimmable wire is required.

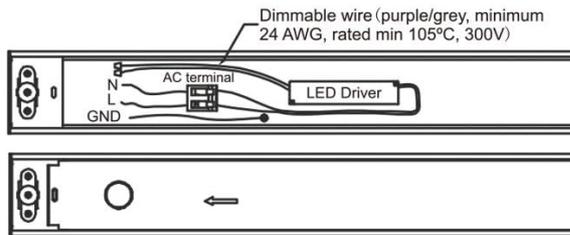
# Installation Instructions



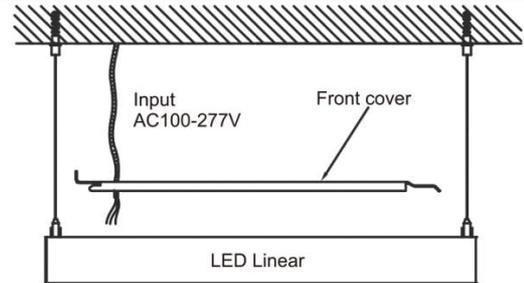
- ① According to requirement, adjust linear through flexible cable mounting bracket. Double check cable holds tightly.



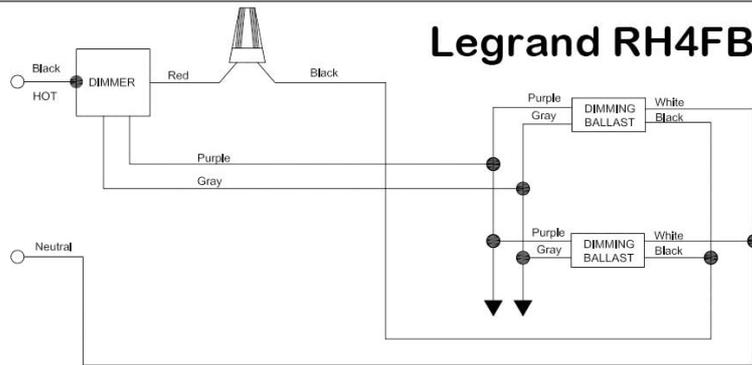
- ② Remove the front cover by tools.



- ③ Connect N, L, GND, Dimmable wire optional well. After connection, put back the cover. (If there is unnecessary to dim, no need to connect dimmable wire)



- ④ Break through the hole of the cover by cutting nipper. Put AC wire and dimmable wire into LED linear. If there is unnecessary to dim, no need to connect dimmable wire.



**Warning: Turn off the power before installation**

Figure 2: Detailed installation steps for the hykolity LED Linear Light.

## Linkable Design

This fixture features a unique linkable design, allowing you to connect up to 10 lights in series seamlessly. Ensure proper electrical connections between linked units.

# Smooth Dimming (0-10V)



Create the perfect & cozy working atmosphere and save energy with the dimmer (Lutron: IP710-40F; Legrand: RH4FBL3P)

Figure 3: Illustration of the linkable design and connection process.

## 5. OPERATING INSTRUCTIONS

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### Power On/Off

Once installed and wired correctly, the light can be turned on or off using a standard wall switch connected to the fixture's power supply.

### Dimming Functionality

The hykolity LED Linear Light supports 0-10V dimming, allowing brightness adjustment from 10% to 100%. For optimal performance, use compatible 0-10V dimmers such as Lutron: IP710-40F or Legrand: RH4FBL3P.

## 40W Linkable LED Linear Light (3000K/4000K/5000K Switchable)



Figure 4: Smooth dimming capability of the LED linear light.

### Color Temperature Selection (CCT)

This fixture offers three selectable color temperatures: 3000K (Warm White), 4000K (Cool White), and 5000K (Daylight). The CCT can be adjusted via a switch located on the fixture, allowing customization to suit different environments and preferences.

### 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED linear light.

- **Cleaning:** Ensure the power is turned off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, discontinue use and consult a qualified electrician or contact customer support.
- **Bulb Replacement:** This fixture uses integrated LED chips and does not require bulb replacement. The expected lifespan is 50,000 hours.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on	No power supply Incorrect wiring Faulty switch	Check circuit breaker and wall switch. Verify all wire connections (AC, Neutral, Ground) are secure and correct. Test the switch for functionality.
Light flickers or dims inconsistently	Incompatible dimmer Loose wiring Overloaded circuit	Ensure a 0-10V compatible dimmer is used (e.g., Lutron IP710-40F, Legrand RH4FBL3P). Check dimmable wire connections. Consult an electrician to check circuit load.
Cannot change color temperature (CCT)	CCT switch not set	Locate the CCT selection switch on the fixture and adjust to the desired setting (3000K, 4000K, or 5000K).
Multiple linked lights not working	Connection issue between units Exceeded maximum linkable units	Check the physical and electrical connections between all linked fixtures. Ensure no more than 10 units are linked in series.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	hykolity
Model Name	HBLL-FLC03
Product Dimensions	44"L x 2.6"W x 2.8"H
Item Weight	5.5 Pounds (per unit)
Wattage	40 Watts
Brightness	4800 Lumens
Color Temperature (CCT)	3000K / 4000K / 5000K Selectable
Dimmable	0-10V Dimmable (10%-100%)
Voltage	100-277 Volts
Light Source Type	LED
Material	Aluminum, Polyester
Finish Type	Painted
Installation Type	Suspended
Indoor/Outdoor Usage	Indoor Only
Average Life	50,000 Hours

Feature	Detail
Color Rendering Index (CRI)	90.0
Certifications	ETL & CE Certified

## 9. WARRANTY AND SUPPORT

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### Warranty Information

This hykolity LED Linear Light comes with a **5-year unlimited warranty** against any defects in materials and workmanship from the date of purchase.

### Customer Support

For any questions, technical assistance, warranty claims, or support needs, please contact hykolity customer service. Refer to your purchase platform for contact details or visit the official hykolity website for support options.