

JC-LGL 210W

JC-LGL 210W LED Linear High Bay Light Instruction Manual

Model: 210W

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your JC-LGL 210W LED Linear High Bay Light. This high-efficiency LED fixture is designed for industrial and commercial applications, delivering 31500 lumens of 5000K daylight illumination with a power consumption of 210W. It features excellent heat dissipation and 0-10V dimming capability.



Image 1.1: JC-LGL 210W LED Linear High Bay Light, showcasing its sleek design and suspension cables.



Image 1.2: Overview of key product features and certifications.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Ensure power is disconnected at the circuit breaker before installation, maintenance, or cleaning. All wiring should comply with national and local electrical codes.
- **Qualified Personnel:** Installation should be performed by a qualified electrician.

- **Voltage Compatibility:** This fixture is compatible with 120-277V AC. Verify your power supply matches this range.
- **Mounting:** Ensure the mounting structure can support the weight of the fixture.
- **Operating Environment:** Suitable for indoor and outdoor use. Operating temperature range is -40°F to 122°F.
- **Eye Protection:** Avoid looking directly into the light source when illuminated, as it is extremely bright and may cause eye discomfort.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package. If any parts are missing or damaged, contact customer support.

- 1 x JC-LGL 210W LED Linear High Bay Light
- Mounting Accessories (Hanging Chains, Hooks, Adjustable Aircraft Cables)
- User Manual (this document)

4. SPECIFICATIONS

Detailed technical specifications for the JC-LGL 210W LED Linear High Bay Light.

Feature	Specification
Brand	JC-LGL
Model Name	210W
Wattage	210 Watts
Brightness	31500 Lumens
Efficiency	150 Lumens/Watt
Color Temperature	5000 Kelvin (Daylight)
Voltage	120-277 Volts (AC)
Dimmable	0-10V Dimmable (Dimmer not included)
Material	Aluminum
Product Dimensions	23.62"L x 9.84"W x 1.74"H
Item Weight	6.64 pounds
Installation Type	Suspended (Hanging Mount/Drop Mount)
Indoor/Outdoor Usage	Indoor, Outdoor
Water Resistance Level	Waterproof

Special Features	0-10V Dimmable, Amazing Thermal Performance, Easy to Install, Super Bright Energy Saving
Certifications	UL Complied



Image 4.1: Product dimensions and heat dissipation features.

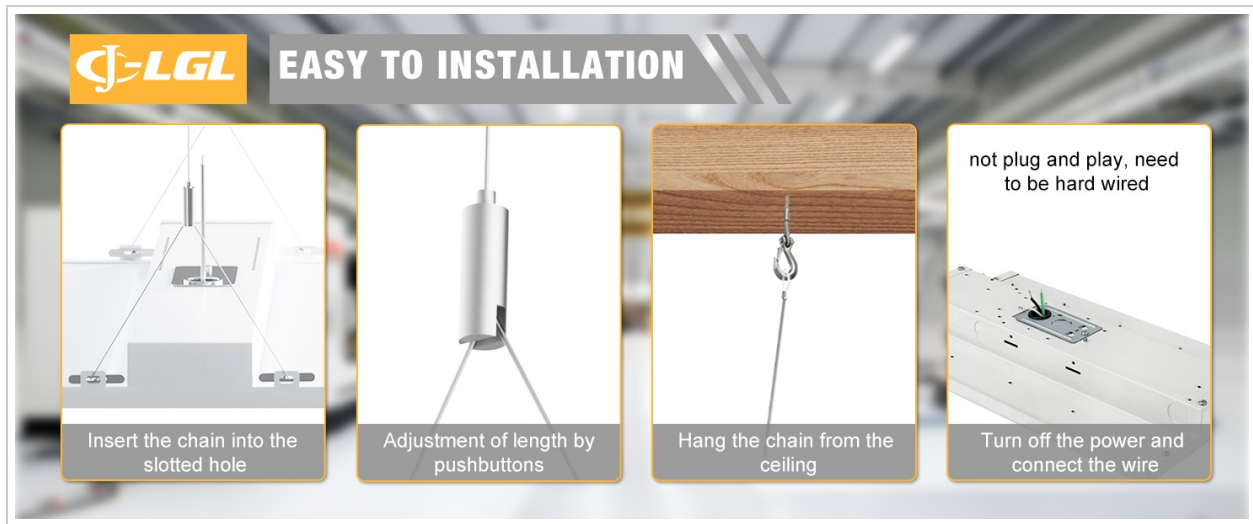


Image 4.2: Internal components and quality features.

5. SETUP AND INSTALLATION

The JC-LGL LED Linear High Bay Light is designed for easy suspended installation. Follow these steps carefully.

5.1 Pre-Installation Checklist

- Ensure power is OFF at the circuit breaker.
- Confirm the mounting location is structurally sound and can support the fixture's weight.
- Gather necessary tools (e.g., screwdriver, wire strippers, drill, safety glasses).

5.2 Installation Steps

1. **Attach Mounting Accessories:** Securely attach the provided hanging chains or hooks to the ceiling structure.
2. **Connect Suspension Cables:** Insert the adjustable aircraft cables into the slotted holes on the fixture.
3. **Hang the Fixture:** Carefully lift and hang the fixture from the ceiling using the attached chains/hooks and suspension cables.
4. **Adjust Length:** Use the pushbuttons on the adjustable aircraft cables to set the desired hanging length.
5. **Wire Connection:** With power OFF, connect the fixture's wires to your electrical supply. This fixture requires hardwiring. Connect the live, neutral, and ground wires according to local electrical codes.
6. **Secure Wiring:** Ensure all wire connections are secure and properly insulated.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

EASY INSTALLATION

Easy installed by one person

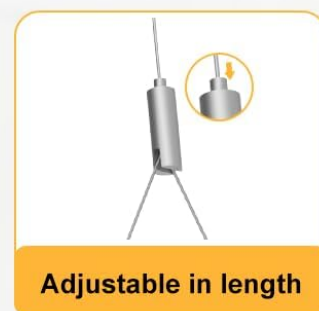
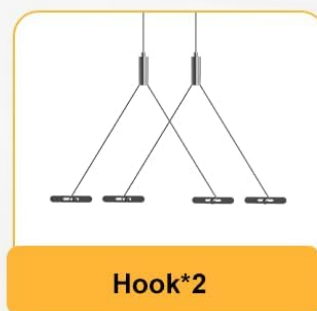
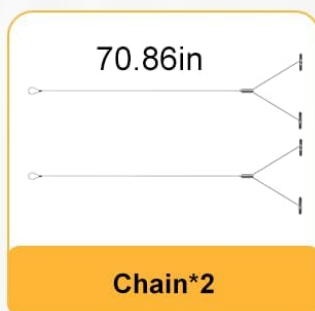
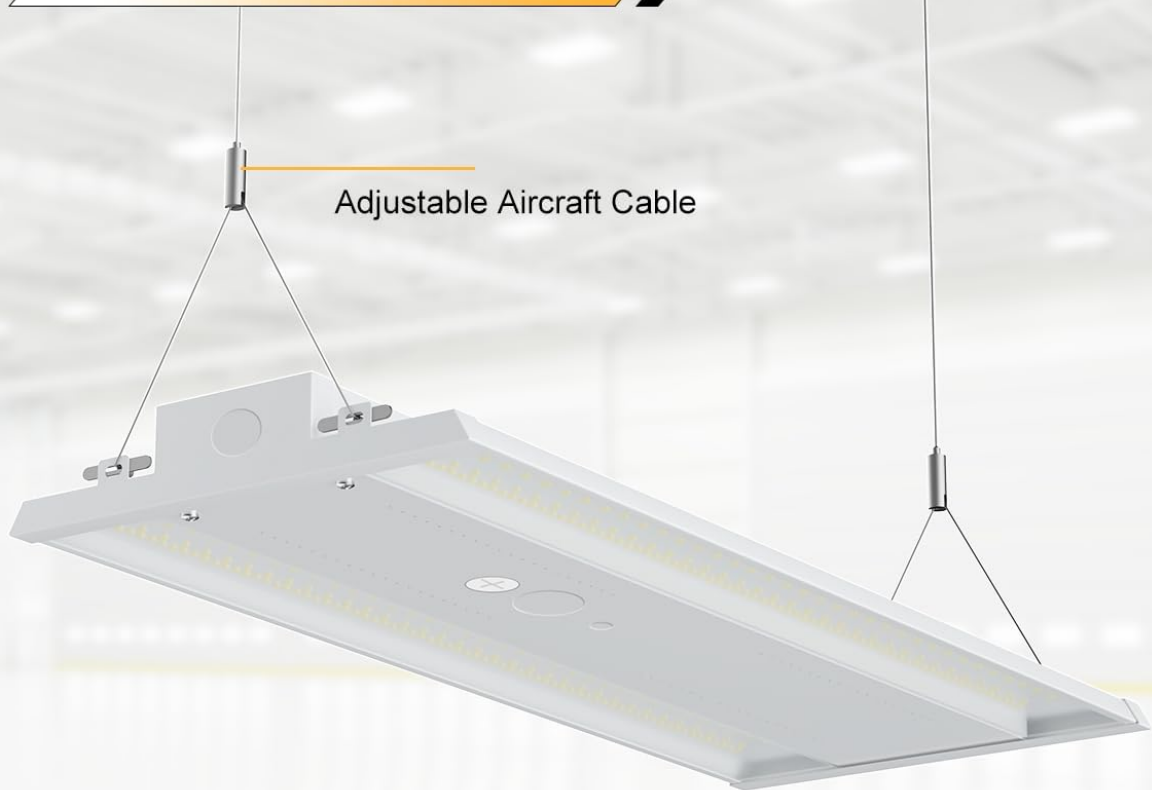


Image 5.1: Visual guide for easy installation.

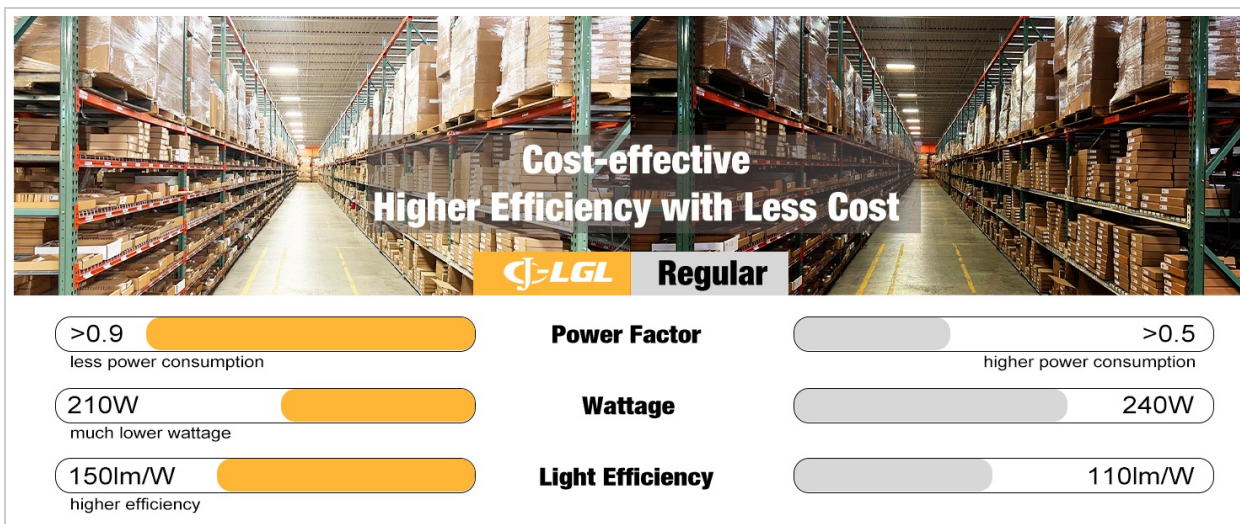


Image 5.2: Detailed steps for installation, emphasizing hardwiring.

6. OPERATING INSTRUCTIONS

Once installed and powered, the JC-LGL LED Linear High Bay Light is ready for operation.

6.1 Basic Operation

- Turn on the power switch connected to the fixture. The light will illuminate at full brightness (100%).

6.2 0-10V Dimming Function

This fixture supports 0-10V dimming. To utilize this feature, a compatible 0-10V dimmer switch (not included) must be installed and wired correctly to the fixture's dimming wires.

- Connect the dimmer's control wires to the fixture's designated dimming wires (typically purple and gray).
- Adjust the dimmer switch to achieve the desired brightness level, from 10% to 100%.
- The 0-10V dimming function helps maximize eye comfort and can contribute to energy savings.

0-10V Dimmable (Dimmer not include)

☒ No Flicker

☒ Adjust the Brightness

☒ 5000K Daylight

☒ Energy saving of up to 80%



Image 6.1: Demonstrating 0-10V dimming functionality.

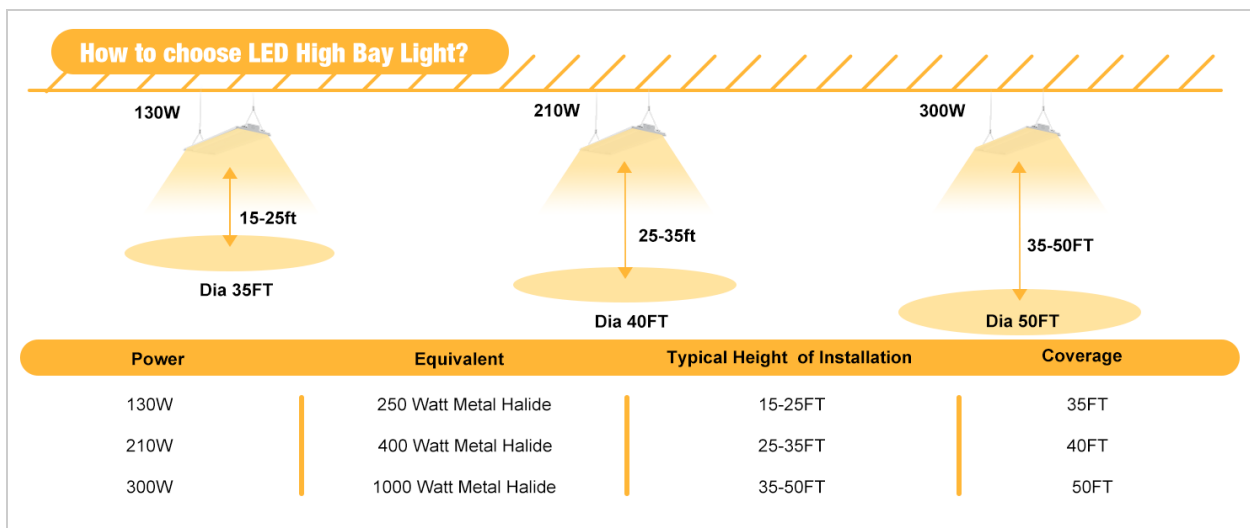


Image 6.2: Visual representation of dimming control.

6.3 Motion Activation (Optional)

For enhanced energy saving, this light can be paired with an optional PIR (Passive Infrared) motion sensor (sold separately). When integrated, the light can transition from full brightness to a dimmed output (e.g., 30% lumens) when no motion is detected, and return to full brightness upon motion detection.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your LED Linear High Bay Light.

- **Cleaning:** Periodically clean the fixture's surface and lens with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth with mild soap, then wipe dry. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the mounting hardware and wiring for any signs of wear, corrosion, or damage. Ensure all connections remain secure.
- **Power Disconnection:** Always disconnect power to the fixture at the circuit breaker before performing any cleaning or maintenance.

8. TROUBLESHOOTING

If you encounter issues with your JC-LGL LED Linear High Bay Light, refer to the following troubleshooting guide.

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty fixture	Check circuit breaker and wall switch. Verify all wiring connections are secure (ensure power is off first). Contact customer support if power and wiring are confirmed functional.
Light flickers	Incompatible dimmer switch Loose wiring Voltage fluctuations	Ensure a 0-10V compatible dimmer is used. Check wiring connections (power off). Consult an electrician to check power supply stability.

Light is dim or not reaching full brightness	Dimmer setting too low Incorrect wiring for dimming function	Adjust dimmer to 100%. Verify dimming wires are correctly connected to a 0-10V dimmer.
Unusual noise (humming)	Electrical interference Faulty component	Ensure proper grounding. If noise persists, contact customer support.

9. WARRANTY AND SUPPORT

The JC-LGL 210W LED Linear High Bay Light comes with a **5-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions not addressed in this manual, please contact JC-LGL customer support through the retailer where the product was purchased or visit the official JC-LGL brand store online.

Please retain your proof of purchase for warranty validation.



Image 9.1: Product certifications and warranty information.