

Metalux LHBS-1218C3R

Metalux LHBS-1218C3R LED Linear High Bay Light User Manual

Model: LHBS-1218C3R

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of the Metalux LHBS-1218C3R LED Linear High Bay Light. This 1.6 ft luminaire is designed for commercial and industrial applications, offering selectable lumen output and color temperature (CCT) options for versatile lighting solutions. It is an energy-efficient replacement for traditional fluorescent or metal halide lamps.



Figure 1: Metalux LHBS-1218C3R LED Linear High Bay Light.

Your browser does not support the video tag.

Video 1: An introductory video showcasing Metalux Lighting products and their applications. This video provides a general overview of the brand's commitment to quality and energy efficiency.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Installation should be performed by a qualified electrician.

- Always disconnect power at the circuit breaker before installation, servicing, or removing the fixture.
- Ensure the fixture is properly grounded to avoid potential electrical hazards.
- Verify that the supply voltage is compatible with the fixture's requirements (120-277V).
- Do not look directly into the LED light source when the fixture is powered on, as this may cause eye strain or damage.
- Do not handle the fixture with wet hands or when standing on wet or damp surfaces.
- This fixture is suitable for damp locations and operating ambient temperatures from -40°C to 40°C (-40°F to 104°F). Do not install outside this range.

3. PACKAGE CONTENTS

Carefully unpack the fixture and inspect for any damage. Retain all packaging materials until you are satisfied with the product. The package should contain:

- Metalux LHBS-1218C3R LED Linear High Bay Light Fixture
- Mounting Hardware (Chains, V-Hangers, Carabiner Clips)
- Instruction Manual (this document)

4. PRODUCT FEATURES

The Metalux LHBS-1218C3R LED Linear High Bay Light offers advanced features for optimal performance and flexibility:

- **Selectable Lumen Output:** Choose between 12,000, 15,000, or 18,000 lumens.
- **Selectable Color Temperature (CCT):** Adjust between 3500K, 4000K, or 5000K.
- **Multiple Wattages:** Operates at 79W, 99W, or 120W depending on lumen selection.
- **Durable Construction:** Features lightweight steel with a rigid upper channel.
- **Glare Control:** Equipped with a diffused acrylic frost lens for wide distribution and reduced glare.
- **Universal Voltage:** Compatible with 120-277 Volt input.
- **Dimmable:** 0-10 Volt dimming capability down to 10%.
- **Wide Operating Temperature:** Functions reliably from -40°F (-40°C) to 104°F (40°C).
- **High Mounting Heights:** Suitable for ceilings up to 25 ft. high.
- **Versatile Applications:** Ideal for shops, warehouses, barns, industrial, manufacturing, and commercial environments.

LHBS Linear Highbay Features

- 3 lumen package choices: high, medium & low
- 3 color temperature choices: 3500K, 4000K, or 5000K

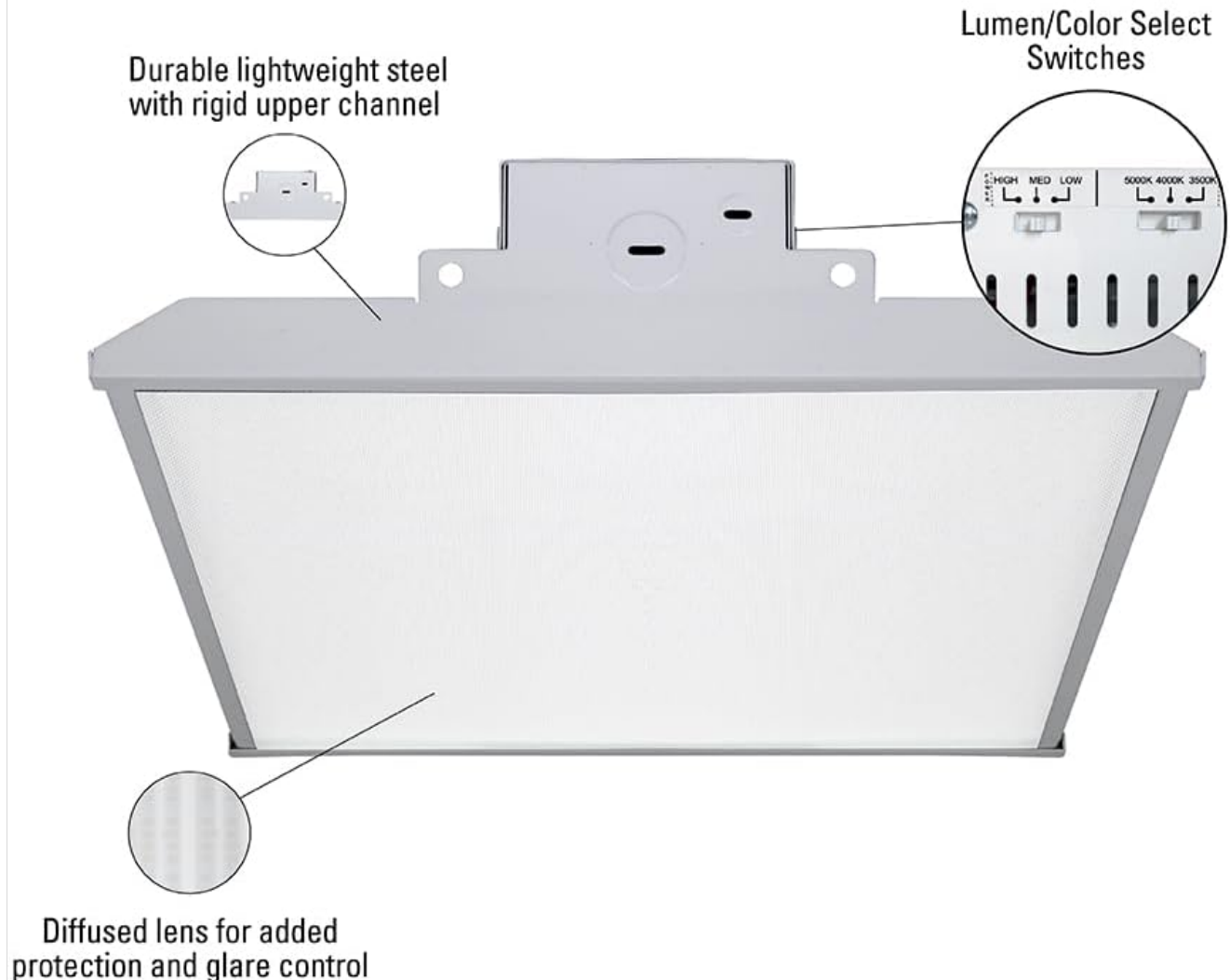


Figure 2: Illustration of LHBS Linear Highbay features, including durable steel construction, diffused lens, and location of lumen/color select switches.



Save Money



Save Time



Peace of Mind



	LHBS Features	Benefits	Result
Construction	Optional sensors	Energy savings and quicker ROI	⌚ ✓
	Compact die cast aluminum housing	Durability and long life	💰 ⌚
	Mounting hardware included	Easy to install in any space	⌚ ✓
Performance	Selectable lumens up to 18,000 and 4000K or 5000K CCT select option	Multi-application flexibility	💰 ⌚
	Standard lens included	Meets DLC Premium	✓
	Up to 160 lumens per watt	Significant energy savings	💰
	5-year warranty	Guaranteed quality	✓

Figure 3: Table summarizing LHBS features, their benefits, and resulting advantages.

5. SPECIFICATIONS

Attribute	Value
Model Number	LHBS-1218C3R
Product Dimensions	18.9"L x 11.8"W x 2.56"H
Item Weight	6.89 pounds
Material	Stainless Steel
Finish Type	Painted
Light Source Type	LED
Power Source	Corded Electric
Voltage	120-277 Volts
Brightness (Max)	18,000 Lumens (Selectable)
Wattage (Max)	120 Watts (Selectable)
Color Temperature	3500K, 4000K, 5000K (Selectable)
Dimming	0-10V Dimmable (down to 10%)
Operating Temperature	-40°F (-40°C) to 104°F (40°C)

Mounting Type	Ceiling Mount
Certifications	UL Listed, DLC Qualified



Figure 4: Detailed dimensions of the Metalux LHBS-1218C3R LED Linear High Bay Light.

6. SETUP AND INSTALLATION

6.1 Pre-Installation

1. **Power Disconnection:** Ensure power to the installation area is completely turned off at the circuit breaker before beginning any work.
2. **Tools Required:** Gather necessary tools including a screwdriver, wire strippers, pliers, measuring tape, and safety glasses.
3. **Location Selection:** Choose a suitable mounting location, considering the fixture's light distribution and desired illumination levels. The fixture is designed for mounting heights up to 25 ft.

6.2 Mounting the Fixture

The LHBS-1218C3R includes chains, V-hangers, and carabiner clips for easy suspension mounting.

1. **Attach V-Hangers:** Securely attach the V-hangers to the designated mounting points on the top of the fixture.
2. **Install Mounting Chains:** Connect the provided chains to the V-hangers.
3. **Secure to Structure:** Attach the other end of the chains to a structurally sound ceiling or support beam using appropriate hardware (not included, if different from provided). Ensure the mounting points can support the fixture's weight (6.89 lbs).

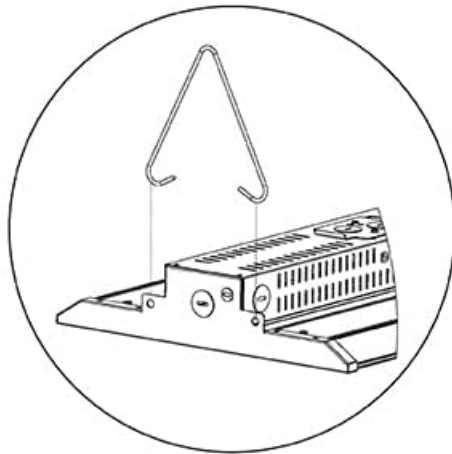
6.3 Electrical Wiring

All wiring must comply with national and local electrical codes.

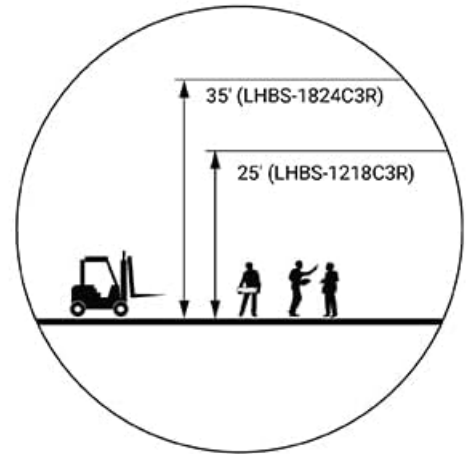
1. **Access Wiring Compartment:** Open the wiring compartment on the fixture.
2. **Connect Power:** Connect the building's supply wires to the fixture's wires according to the following color code:
 - **Black:** Line (L)
 - **White:** Neutral (N)
 - **Green/Bare Copper:** Ground (G)
3. **0-10V Dimming (Optional):** If using 0-10V dimming, connect the purple wire to the dimmer's positive (+) output and the grey wire to the dimmer's negative (-) output. Ensure the dimmer is compatible with 0-10V LED drivers.
4. **Secure Connections:** Use appropriate wire connectors (e.g., wire nuts) to secure all connections.
5. **Close Compartment:** Carefully tuck all wires into the wiring compartment and close the cover securely.

Easy Installation!

- Replaces up to 250W MHL or 6- lamp T8 equivalent (192W)
- 0-10V dimming control down to 10%



Includes V-hooks & chain set for mounting



Great for mounting heights up to 25ft high



Suitable for shops, warehouse, barn, industrial, manufacturing and commercial applications



Easily access selectable switches

Figure 5: Visual guide for easy installation, showing V-hooks, chain set, suitable mounting heights, and accessible selectable switches.

7. OPERATING INSTRUCTIONS

The Metalux LHBS-1218C3R features easily accessible switches on the side of the rigid upper channel for adjusting lumen output and color temperature.

7.1 Selecting Lumen Output

To adjust the brightness of the fixture:

1. Locate the 'Lumen Select' switch on the side of the fixture.
2. Choose one of the three settings: **HIGH** (18,000 Lumens), **MED** (15,000 Lumens), or **LOW** (12,000 Lumens).
3. The fixture will immediately adjust to the selected brightness level.



Figure 6: Illustration demonstrating the 3 selectable lumen levels (low, medium, high) via a switch, shown in a warehouse setting.

7.2 Selecting Color Temperature (CCT)

To adjust the color appearance of the light:

1. Locate the 'CCT Select' switch on the side of the fixture.
2. Choose one of the three settings: **3500K** (Warm White), **4000K** (Cool White), or **5000K** (Daylight).
3. The fixture will immediately adjust to the selected color temperature.



SeleCCTable™ technology puts flexibility at your fingertips. Choose from three color temperatures: 3500K, 4000K or 5000K using just a switch.

Figure 7: Illustration demonstrating the 3 selectable CCT options (3500K, 4000K, 5000K) via a switch, shown in a commercial setting.

7.3 0-10V Dimming

If a compatible 0-10V dimmer is connected during installation, the fixture's brightness can be adjusted from 100% down to 10% using the dimmer control. Ensure the dimmer is specifically designed for 0-10V LED applications.

8. MAINTENANCE

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

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the exterior of the fixture. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or optical components.
- **Inspection:** Periodically inspect the fixture for any signs of physical damage, loose wiring, or corrosion. Address

any issues promptly.

- **Lens Care:** Keep the diffused acrylic lens clean to maintain light output and distribution.

9. TROUBLESHOOTING

If you encounter issues with your Metalux LED Linear High Bay Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fixture does not light up	No power supply Incorrect wiring Faulty fixture	Check circuit breaker and wall switch. Verify all wiring connections are secure and correct. If power is confirmed, contact customer support.
Light flickers or is dim	Loose wiring connection Incompatible dimmer Voltage fluctuations	Check all wiring connections. Ensure 0-10V dimmer is compatible and correctly wired. Consult an electrician to check supply voltage stability.
CCT or Lumen selection not working	Switch not fully engaged Internal component issue	Ensure the selector switches are firmly set to one position. Contact customer support if the issue persists.

10. WARRANTY AND SUPPORT

The Metalux LHBS-1218C3R LED Linear High Bay Light is backed by a **5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical assistance, or further inquiries, please contact Metalux customer support through their official website or the retailer where the product was purchased. Please have your model number (LHBS-1218C3R) and proof of purchase available.

LHBS Series

LED Linear Highbay

CCT and Lumen Select



Figure 8: Image displaying Metalux LHBS Series certifications (UL, DLC, RoHS, FC, IK08, ISO) and the 5-year limited warranty.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question