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› Lithonia Lighting I-BEAM LED High Bay Light (IBE 12LM MVOLT 40K) Instruction Manual

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Model: IBE 12LM MVOLT 40K | Brand: Lithonia Lighting

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Lithonia Lighting I-BEAM LED High Bay Ceiling Light Fixture (IBE 12LM MVOLT 40K). Designed for high-efficiency performance in demanding commercial and industrial environments, this LED shop light delivers 12,000 lumens of bright 4000K cool white light, ideal for garages, warehouses, workshops, and other large indoor spaces. It features energy-saving LEDs, a multi-volt 120–277V driver, 0–10V dimming support, and robust construction for long-lasting performance.

I-BEAM[®] IBE High Bay



Ideal for use in light industrial applications such as, warehousing and other large indoor spaces



Easy Installation



Affordable Lighting Solutions



5-Year Limited Warranty

Figure 1: Lithonia Lighting I-BEAM LED High Bay Light highlighting key features.

Video 1: Hi-Bay Lighting Video providing an overview of the product's capabilities and design.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power before installing or servicing.

- Always ensure power is OFF before working on the fixture.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- This fixture is UL listed for demanding conditions and is damp location rated.
- Built-in 6kV surge protection enhances safety and product longevity.
- The fixture is engineered to perform in ambient temperatures up to 45°C. Operating outside this range may affect performance and lifespan.

Video 2: High Bay Surge Test Video demonstrating the fixture's resilience against electrical surges, highlighting the importance of robust surge protection.

3. SETUP AND INSTALLATION

The I-BEAM LED High Bay Light offers versatile installation options to suit various industrial ceiling layouts. It supports suspension by chain, cable, hook monopoint, or single pendant monopoint. Surface-mount bracket configurations are also possible, though direct surface mounting is not recommended.

3.1 Dimensions



Figure 2: Product dimensions for planning installation.

The fixture measures 22 inches (L) x 15.25 inches (W) x 4.38 inches (H).

3.2 Mounting Options

Ensure the mounting structure is properly sized to support the weight of the fixture. Refer to the detailed diagrams below for various mounting methods.



Figure 3: Back view of the fixture with mounting points.

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CONTRACTOR SELECT™

Figure 4: Top view of the fixture, indicating the electrical access panel.

Video 3: Lithonia Lighting High Bay Light Spin Video, offering a 360-degree view of the product for visual inspection during setup.

4. OPERATING INSTRUCTIONS

The I-BEAM LED High Bay Light provides powerful and efficient illumination. Once properly installed and

wired, the fixture is ready for operation.

- **Light Output:** Delivers 12,000 lumens of 4000K cool white light.
- **Dimming:** Supports 0–10V dimming with compatible dimmer switches for adjustable brightness.
- **Energy Efficiency:** Equipped with high-efficiency LEDs that reduce power costs by up to 60% compared to traditional lighting sources.



Figure 5: Color Temperature Guide illustrating various light temperatures, with this fixture providing 4000K Cool White light.



**LITHONIA
LIGHTING**

**Replaces up to 575W HID
or 8-lamp T5HO**

Consumes less energy,
saves up to 60% in energy
costs over traditional sources.

Figure 6: Energy efficiency comparison, demonstrating significant cost savings over traditional lighting.

5. MAINTENANCE

The Lithonia Lighting I-BEAM LED High Bay Light is designed for minimal maintenance and long-term reliability.

- **Long Lifespan:** The integrated LEDs provide 70% lumen maintenance at over 100,000 hours of use, significantly extending the product's lifespan and reducing the need for frequent replacements.
- **Cleaning:** To maintain optimal light output, periodically clean the fixture's lens with a soft, damp cloth. Avoid abrasive cleaners.

6. TROUBLESHOOTING

If you encounter issues with your I-BEAM LED High Bay Light, consider the following common troubleshooting steps:

- **No Light:** Ensure the power supply is connected correctly and the circuit breaker is not tripped. Verify all wiring connections are secure.
- **Decreased Light Output:** Over-temperature conditions can accelerate component failure and lead to decreased light output. Ensure the fixture is operating within its rated ambient temperature of up to 45°C.
- **Flickering:** Check for loose wiring connections or compatibility issues with dimming switches if 0-10V dimming is in use.
- **Fixture Failure:** In industrial environments, non-compliant fixtures may fail prematurely due to inadequate surge protection or operating in elevated temperatures. Ensure your fixture is properly rated for its environment.

For persistent issues, refer to the warranty and support section for assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	Lithonia Lighting
Model Number	IBE 12LM MVOLT 40K
Light Source	LED
Brightness	12,000 Lumens
Color Temperature	4000K Cool White
Voltage	120-277V (MVOLT)
Wattage	83 watts

Feature	Specification
Dimming	0-10V Dimmable
Material	Aluminum
Dimensions (L x W x H)	22 in x 15.25 in x 4.38 in
Item Weight	8 Pounds
Surge Protection	6kV/3kA
Ambient Temperature Rating	Up to 45°C
Certifications	UL Listed, Damp Location Rated

8. WARRANTY AND SUPPORT

The Lithonia Lighting I-BEAM LED High Bay Light is backed by a **5-year limited warranty**. For warranty claims, technical assistance, or product support, please contact Lithonia Lighting customer service. You can find more information and contact details on the official Lithonia Lighting website or through your product retailer.