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Lithonia Lighting IBG 12L MVOLT

Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire Instruction Manual

Model: IBG 12L MVOLT | Brand: Lithonia Lighting

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire. The IBG LED high bay is designed with efficient technologies to provide optimal lighting for large indoor areas such as warehouses, manufacturing facilities, and gymnasiums, offering lower power usage compared to traditional HID or fluorescent high bays. Please read this manual thoroughly before proceeding with installation or use.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power before installing or servicing. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

- Ensure the power supply is turned off at the circuit breaker before any installation or maintenance.
- Verify that the supply voltage is compatible with the luminaire's MVOLT (120-277V) rating.
- Use only 90°C minimum supply conductors.
- This luminaire is CSA certified for use in the USA and is listed for Damp Locations and is dust resistant.
- Operating the fixture in environments exceeding its rated ambient temperature (e.g., 45°C) can lead to decreased light output and premature fixture failure. Always check the fixture's label for specific ambient temperature ratings.

Video: Hi-Bay Lighting Temperature Ratings. This video explains the importance of proper temperature ratings for high bay luminaires in industrial environments and highlights Lithonia Lighting's adherence to these standards. It demonstrates how unlabeled fixtures default to a 25°C/77°F rating, which is often insufficient for industrial applications, leading to potential component failure and reduced light output.

3. PRODUCT FEATURES

The IBG LED High Bay Luminaire offers several key features:

- **High Efficiency:** Integrated LEDs provide over 12,000 lumens while consuming only 77 watts, contributing to energy savings.
- **Long Lifespan:** LEDs are designed for a lifespan of 100,000 hours, equivalent to 23 years when operating 12 hours per day, reducing the need for frequent bulb changes.
- **Versatile Light Distribution:** Provides general or medium light distribution, suitable for meeting both horizontal and vertical light level requirements in ceiling heights ranging from 10 to 60 feet.
- **Dimming Capability:** Features 0-10V dimming capabilities for adjustable light output.
- **Multi-Voltage Operation:** Supports MVOLT (120-277V) usage.
- **Durability:** CSA certified and suitable for damp locations and dust resistant.

4. SETUP AND INSTALLATION

The IBG 12L MVOLT LED High Bay Luminaire is designed for suspended or ceiling mount installation. Follow these guidelines for proper setup:

1. **Pre-Installation Check:** Before beginning, ensure all components are present and undamaged. Verify that the electrical supply matches the luminaire's voltage requirements (120-277V).
2. **Power Disconnection:** Always disconnect power at the main circuit breaker before attempting any installation.
3. **Mounting:** The luminaire is suitable for chain, hook, or pendant suspension. Ensure the mounting structure can safely support the fixture's weight (approximately 12.5 pounds).
4. **Clearance:** Maintain a minimum mounting distance of 18 inches from the ceiling to ensure adequate heat dissipation and optimal performance.
5. **Wiring:** Connect the luminaire to the power supply using minimum 90°C supply conductors. Follow local electrical codes and the wiring diagram provided with the fixture.
6. **Ambient Temperature:** Ensure the installation environment's ambient temperature does not exceed 45°C (113°F) for optimal performance and longevity.

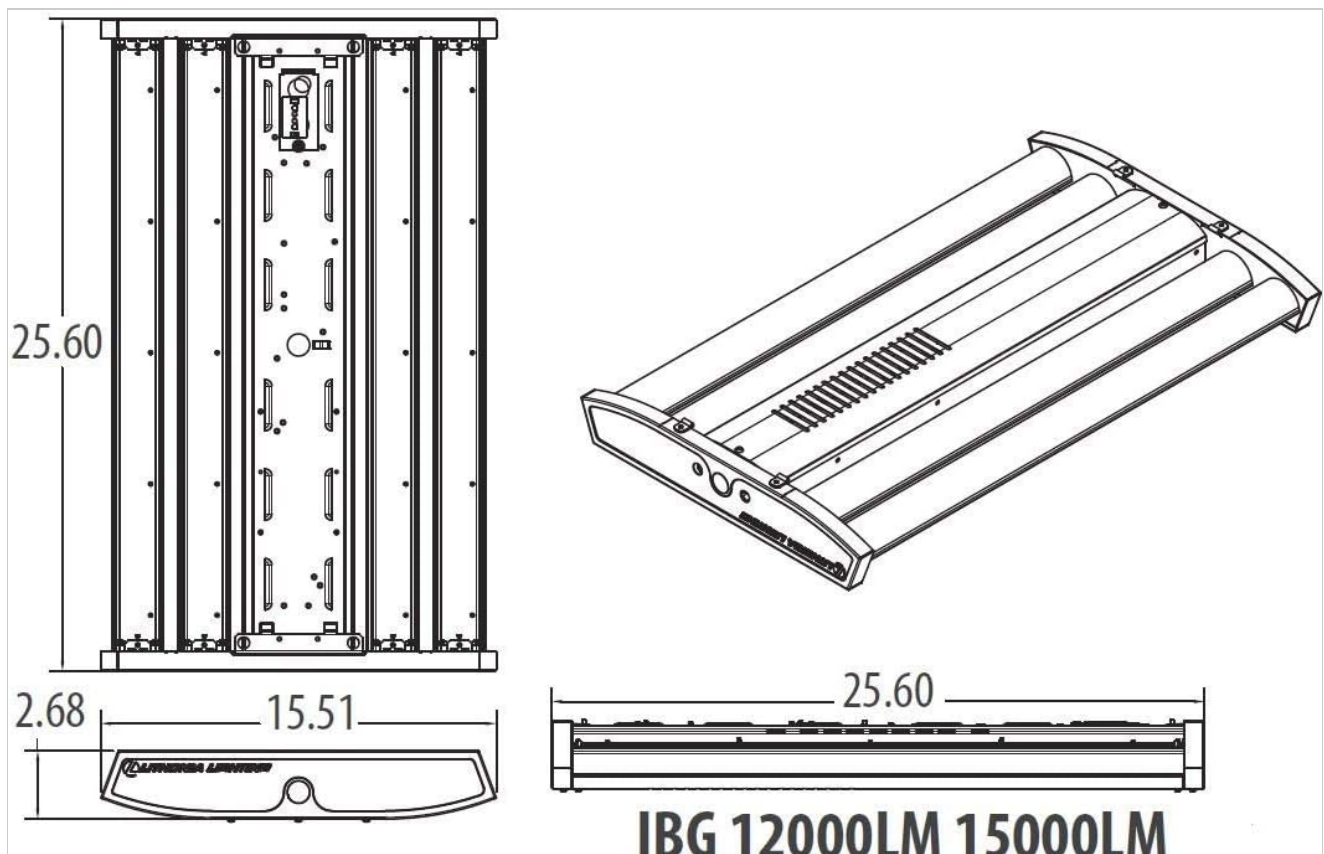


Image: Product Dimensions. This image displays the technical drawings and dimensions of the Lithonia Lighting IBG 12L MVOLT

5. OPERATING INSTRUCTIONS

Once properly installed, the IBG 12L MVOLT LED High Bay Luminaire is ready for operation:

- **Power On:** Restore power at the circuit breaker. The luminaire should illuminate.
- **Dimming:** If connected to a 0-10V dimming system, adjust the light output using the compatible dimming control.
- **Control Method:** The luminaire supports app control. Refer to the specific app instructions for pairing and controlling the light output and other features.
- **Switching:** The luminaire supports 2-way switching for flexible control.

6. MAINTENANCE

The Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire requires minimal maintenance due to its long-life LED components. However, periodic cleaning and inspection are recommended:

- **Cleaning:** Ensure power is disconnected. Gently wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or optical components.
- **Inspection:** Periodically inspect the mounting hardware and electrical connections for any signs of wear, damage, or loosening. Address any issues promptly.
- **LED Lifespan:** The integrated LEDs are designed to last for 100,000 hours, significantly reducing the need for lamp replacement.

7. TROUBLESHOOTING

If you encounter issues with your IBG 12L MVOLT LED High Bay Luminaire, refer to the following troubleshooting steps:

- **No Light:**
 - Check if the power supply is connected and the circuit breaker is on.
 - Verify all wiring connections are secure and correct.
- **Dim or Flickering Light:**
 - Ensure the dimming control (if applicable) is set correctly.
 - Check for stable power supply voltage.
 - Confirm the ambient temperature is within the specified operating range (not exceeding 45°C).
- **App Control Issues:**
 - Refer to the specific app's troubleshooting guide for connection or control problems.
 - Ensure the luminaire is properly paired with the app.

If problems persist after following these steps, contact customer support.

8. SPECIFICATIONS

Detailed specifications for the Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire:



Image: Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire. This image shows the overall appearance of the Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire, a white, rectangular fixture designed for industrial applications.

| Specification | Value |
|------------------------|---|
| Brand | Lithonia Lighting |
| Model Number | IBG 12L MVOLT |
| Light Source | LED |
| Wattage | 77 watts |
| Brightness | 12000 Lumen |
| Efficiency | 155.7 lumens per watt |
| Voltage | 120-277 Volts (MVOLT) |
| Light Color | Neutral White |
| Control Method | App, 2-way switching |
| Mounting Type | Ceiling Mount, Suspended |
| Indoor/Outdoor Usage | Indoor |
| Water Resistance Level | Not Water Resistant (Suitable for Damp Locations) |
| Material | Plastic |
| Item Weight | 12.5 Pounds |
| Certification | CSA certified |

9. WARRANTY

The Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire comes with a **5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use and service. For detailed terms and conditions, please refer to the official warranty statement provided with your product or visit the Lithonia Lighting website.

10. SUPPORT

For technical assistance, replacement parts, or further information regarding your Lithonia Lighting IBG 12L MVOLT LED High Bay Luminaire, please contact Lithonia Lighting customer support. You can find contact information on the official Lithonia Lighting website or through your authorized dealer.