



# JHBL LED High Bay

Designed for the Most Challenging Spaces



# Designed For Toughness

For unforgiving climates and demanding areas, the JHBL LED high bay is the high-performance, heavy industrial LED solution. This completely die-cast luminaire is built to withstand dust, moisture and airborne contaminants to maintain greater lighting levels. Plus, the JHBL can be customized with innovative controls to maximize power savings and increase sustainability.

## Typical Applications

The JHBL thrives in the most rugged areas from wet locations to high ambient conditions up to 149°F (65°C). It is well-suited for a wide range of applications with high mounting heights.

- Manufacturing
- Machining
- Foundries
- Automotive
- Packaging
- Cold storage
- Arenas
- Natatoriums

## Features

- Highly durable and reliable
- Corrosion-resistant
- Superior thermal management
- Exceptional optical distribution
- Factory- or field-installed options

# Designed For Flexibility

The JHBL luminaire can meet demanding needs with easily adaptable accessories and options for heavy industrial, manufacturing or large indoor applications. Lithonia Lighting® makes these suggestions on how to customize the luminaire for various applications. To visualize your design, utilize our Visual™ lighting design software at [www.visual-3d.com](http://www.visual-3d.com).

## Manufacturing

The JHBL luminaire is suitable for manufacturing environments where dust and airborne contaminants are present.

**Suggested options:** Wire guard and die-cast hook are available. See page 6 for more information.

## Foundries

The JHBL luminaire is suitable for high-temperature environments. It can also be installed in areas that require high mounting heights such as steel mills.

**Suggested options:** There is a high-ambient option (HA) that operates up to 149°F (65°C). The standard luminaire operates at ambient temperatures up to 131°F (55°C).

## Arenas

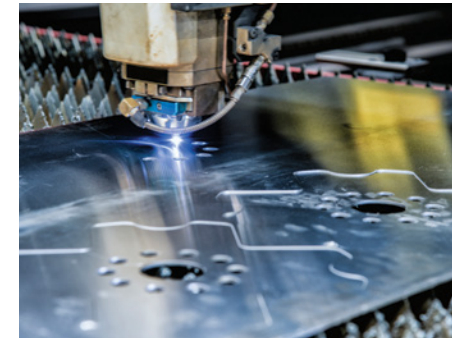
The patterned borosilicate glass lens on the JHBL luminaire reduces glare while enhancing thermal performance – making it ideal for areas with high reflectivity such as ice rinks and gymnasiums.

**Suggested options:** Use the wire guard accessory to protect the optic. Emergency back-up option provides 90 minutes of egress lighting.

## Natatoriums

The fully enclosed and gasketed IP65-rated JHBL luminaire is well-suited for wet or damp environments.

**Suggested options:** The wet-location cord and plug are moisture-resistant. Optional corrosion-resistant finish available for added durability. Wire guards are also recommended for lens protection. See page 6 for more details.





# Designed For Durability

The sturdiness of the enclosed and gasketed JHBL is evident at first glance, from its aluminum alloy die-cast housing to its thick optical glass. The engineering behind the JHBL's construction, optics, electrical and thermal management systems allow it to thrive in challenging environments. Plus, it's backed by the Lithonia Lighting five-year limited warranty.



## Electrical

Offers latest technology for solid, reliable performance

- Drivers offer maximum life at high temperatures
- Input voltages range from 120V to 480V and 250V DC



## Thermal Management

Maintains reliability in high-temperature industrial environments

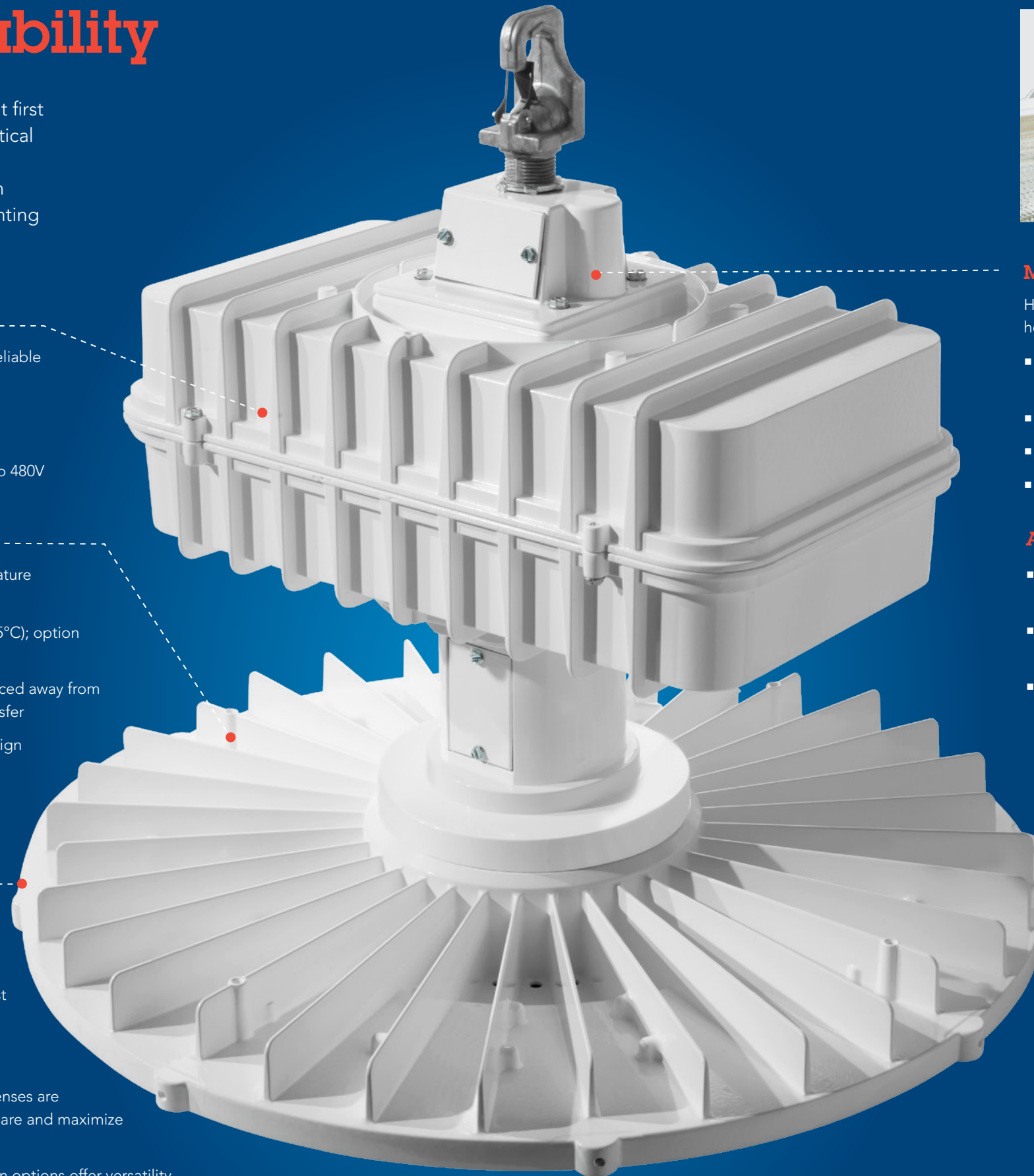
- Standard ambient up to 131°F (55°C); option 149°F (65°C)
- Driver housing is strategically placed away from optics to ensure proper heat transfer
- Patent pending flow-through design maximizes heat dissipation
- Aluminum alloy construction optimizes cooling



## Optical

Provides high lumens per watt and resists thermal shock

- 100% virgin silicone gasket eliminates outgassing; resists dust and airborne contaminants
- Standard 1/4" thick patterned borosilicate glass or acrylic and impact-resistant polycarbonate lenses are molded in one piece to diffuse glare and maximize optical control
- Wide and narrow light distribution options offer versatility
- Optional 11-gauge wire guard protects optics from impact



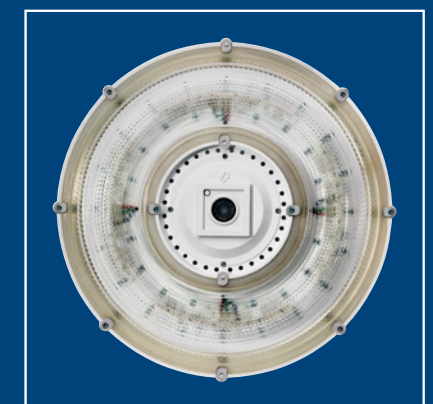
## Mechanical

Handles industrial settings through innovative design and heavy-duty materials

- Housing and optional mounting hook are die cast with durable aluminum
- Corrosion-resistant fasteners
- Driver and optical chambers are IP65-rated
- 0-10V dimming is standard

## Additional Features

- Mounting – Install by pendant, hook or loop; optional cord sets available
- Finishes – Super durable polyester power coat finish is standard to resist corrosion and fading over time
- Lumen Packages – Choice of 12,000, 18,000, 24,000, 30,000, 35,000, 40,000 and 45,000 lumens with a single luminaire; 80,000 and 90,000 lumen packages may be achieved by mounting two luminaires on a twin-configuration bracket



JHBL LED High Bay Bottom View  
Shown with optional sensor

# Designed For Configurability

Discover the unmatched configurability of the JHBL luminaire. Choose from a variety of options for nearly every electrical and optical component to enhance overall performance. There are also field-installable accessories that can be added to current or future installations.



## Finishes

Standard super durable polyester powder coat finish. Finishes are as durable as anodizing, are scratch- and abrasion-resistant and easy to clean.



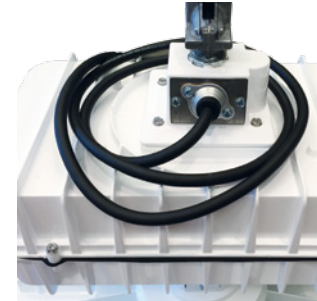
## Wire Guard

Fabricated from 11-gauge, cross-welded and powder-coated steel. It is screwed to the lower casting around its perimeter. Hardware packet included with luminaire.



## Mounting

3/4" hub standard. Optional hooks include wet location and power. Optional aircraft cables can be used for more reinforcement.



## Cord Sets

Wet-location cord sets available in several lengths with or without molded plug.



## Modular Wiring

Several RELOC® wiring options are available. RELOC allows the luminaire to be moved in the field without interruption of branch circuitry.



## Fusing

Integrated internal fast-blow fusing is available for all configurations.



## Dimming

Drivers have common 0-10V protocol with dimming down to 10% power/30% lumen output. Optional photocell control automatically dims the luminaire during high levels of natural sunlight.

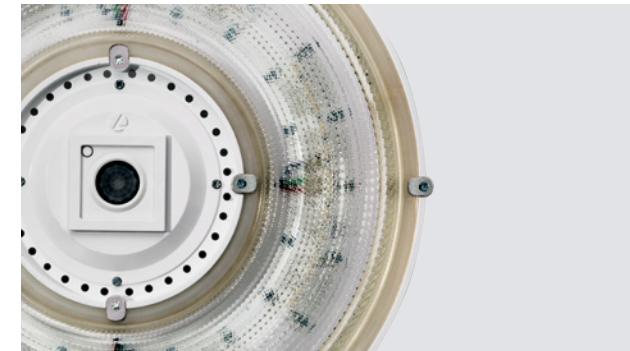


## Surge Protection

An optional 3.0 kV surge protector is available. Standard 6kV/3kA surge protection.

# Designed For Integration

Meet the challenges of industrial lighting by utilizing controls and sensors with the JHBL luminaire. These powerful devices provide manual or wireless execution of lighting levels based on environmental and safety needs. The results are reduced power costs, increased energy conservation and less thermal impact to the electronics.



## Occupancy Sensors

Detects when occupants enter or leave within a 360° coverage pattern

- Wet location use with 0-10V dimming
- On/off with delayed time-out period that allows lights to dim before shutting off
- Photocell that dims or prevents lights from turning on if enough daylight is present



## XPoint™ Wireless

Integrated wireless control technology

- Luminaire maintains IP ratings with wireless modules
- Connects luminaires, sensors and wall stations in a robust mesh network
- Configure and monitor wired and wireless networked lighting controls directly from a PC with SensorView 13 software



## Sunoptics® Skylights

Incorporate daylight to reduce energy consumption and costs

- Photocells detect natural light from skylights to maintain consistent light levels
- Daylight harvesting can shed total load during peak use hours

## Integrate Daylighting & Acuity Controls With JHBL Led High Bay



## The Right LED High Bay For Your Budget/Application



Lithonia Lighting® is a member of the Acuity Brands portfolio of lighting, controls and daylighting solutions.

Lithonia Lighting offers one of the industry's broadest lighting portfolios for commercial and industrial lighting applications. Our LED, fluorescent and HID lighting are recognized for their quality, reliability and solid performance, making Lithonia Lighting one of the most specified brands in the lighting industry.

[www.lithonia.com](http://www.lithonia.com)



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Please visit [www.lithonia.com](http://www.lithonia.com) for more information.