

EPL-HB-2X150LED-B

300 Watt High Bay Explosion Proof LED Light Fixture - 20,000 Lumens - Surface Mounted - CIDI

Product ID: 221544

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EPL-HB-2X150LED-B Explosion Proof LED Fixture

Lamp Type: LED

Dimensions: 52"L x 16.8"W x 23.5"H

Weight: 115 Lbs

Voltage: Multi- 100-277 VAC, 50/60Hz

Total Watts: 300W

Total Lumens: 20,000

LED Lamp Life Expectancy: 60,000+ Hours

Color Temp: 6000K

Color Rendering Index: 70 CRI

Beam Angle: 120°

Lighting Configuration: Flood Pattern

Power Efficiency: >90%

Power Factor: >0.9

Amperage: 3.75A @ 120V, 1.81A @ 277V

Ambient Operating Temp Range: -40°C to +65°C

Operating Temp Rating: T5

Lamp Housing Material: Copper Free Aluminum Alloy

Lens Material: Polycarbonate

Mounting: Surface Mount Bracket

Finish: Powder Coated

Wiring Hub: 3/4" NPT or 5/16"-18 x .75" NPT Thread

Quick Summary

T5 Temperature Rating

Class I Division 1&2 Groups B, C and D

Class II Division 1&2 Groups E,F,G

Class III Division 1&2

CSA Certified to C22.2 No.137-M81

cETL Certified to UL844 and C22.2 Standards

C1D1 & C2D1 Hydrogen Group B

Special Orders - Special Requirements

Contact us for special requirements

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Made in Texas

The Larson Electronics EPL-HB-2X150LED-B Explosion Proof High Bay surface mounted light fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. Each of the three 150W LED light heads produces 10,000 lumens of high-intensity LED light to provide ample illumination for a wide variety of different areas and locations. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures.

*****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE*****

This Class I Division 1 & 2, Class II Division 1 & 2 Group B (hydrogen) explosion proof light fixture provides 20,000 lumens of high quality light while drawing only 300 watts. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

This light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. The aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The LED lamps combined produce 20,000 lumens with a color temperature of 6000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPL-HB-2X150LED-B can be surface mounted via 1 trunnion u-bracket. We also offer the EPL-HB-2X150LED-B, a pendant mounted version of the same product.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life. LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Mounting: The EPL-HB-2X150LED-B specially designed surface mount allows operators to install this high bay light fixture via nine pre-drilled holes. After installation, operators can tilt the light 90° in both directions, allowing for precise aiming. Wiring is fed through rigid pipe to the junction box and tied in to the fixture's lead wires, completing the electrical connection.

Applications: This explosion proof LED light fixture is safe to use in hazardous locations where flammable or combustible materials or gases are present. Possible applications include, but are not limited to, warehouse lighting, aircraft maintenance, mining, offshore, methane production facilities, and storage facilities.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or

message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Multiple Mounting Options Including Pendant, Wall, Ceiling, Cable Mounting and Swivel Bracket.
8. Low profile - Light weight
9. 20,000 Lumen output from only 300 watts

Superior LED Benefits

1. 60,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

Frequently Asked Questions (FAQ)

EPL-HB-2X150LED-B

Product ID: 221544

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)