

EPHL-HHB-175W-LED

Explosion Proof LED High Bay Light - 175 Watt Metal Halide Equivalent - Class 1 & 2 Divisions 1 & 2

Product ID: 144586

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.

EPHL-HHB-175W-LED - C1D1 65W LED Light

Listing: United States - Canada

Lamp Type: LED

Ceiling Mount Dimensions: 17-15/16"-H x 8-13/16"-OD

Wall Mount Dimensions: 18-13/16"-H x 8-13/16"-W x 15"-D

Pendant Mount Dimensions: 17-15/16"-H x 8-13/16"-OD

25° Stanchion Mount Dimensions: 17-1/8"-H x 8-13/16"-W x 13-1/2"-D

Weight: 35 lbs

Voltage: 100-277 Volts AC, 50/60Hz; optional 347-480V AC 50/60 Hz

Total Watts: 65W

Lumens: 6,515

Luminous Efficacy: 100 Lm/W

Lamp Life: 60,000+ Hours

Color Temp: 5000K

Color Rendering Index: 70 CRI

Light Color: White - (other colors available upon request)

Lighting Configuration: Flood Pattern

Power Factor: 0.9

Ambient Operating Temp Range: -40° C to +55°C

Operating Temp Rating: T6

Housing Material: Copper Free Cast Aluminum - Corrosion Resistant

Housing Finish: Powder Coated

Lens Material: Hardened Glass Globe Lens - Frosted

Mounting: Ceiling, Wall, Pendant, 25° Stanchion

Ratings/Approvals

Listed for United States and Canada
Class I, Divisions 1 & 2, Groups A,B,C,D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
Certified to UL 844
Certified to UL 8750
IP66 Waterproof
NEMA 4X
T6 Temperature Rating
Approved for Confined Spaces
Paint Spray Booth Rated
Factory Sealed

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Wiring Hub: 3/4" NPT (1-1/2" for Stanchion) - Ceiling Mount w/ (4) 3/4" Hubs

Intl: 1-903-270-1187

Warranty: Yes - 5 Years*

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPHL-HHB-175W-LED 65 Watt Explosion Proof Light is approved Class I Divisions 1 & 2, Class II Divisions 1 & 2, and Class III. This LED explosion proof LED light is designed for installation in locations where flammable gases, vapors and liquids, combustible dusts, and/or ignitable fibers and flyings exist or have the potential to exist as well as NEMA 3, 4, 4X location where wind, water, snow/ice, or high ambients can be expected. Weatherproof and listed for marine use, this explosion proof LED fixture is the ideal choice for range of industrial and marine applications including those requiring installation in enclosed spaces. The multipurpose floodlight design of this fixture makes it a popular choice for a range of applications regardless of whether the locations are designated hazardous or not.

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

The EPHL-HHB-175W-LED hazardous area light is the perfect upgrade replacement for traditional 175 watt metal halide lamps. Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied. With LED lighting technology, there is no warm up time or cool down time before re-striking. Rather, LEDs provide instant illumination when powered on, making them more dependable and convenient than halide or incandescent lighting methods.

In addition to being weatherproof and suitable for extreme temperatures, the EPHL-HHB-175W-LED light delivers a powerful 6,515 lumens and high chromaticity for excellent color rendering while drawing only 65 watts. Designed with versatility in mind, this explosion proof hazardous area light runs on 120-277V AC 50/60Hz with the option of 347/480V AC 50/60 Hz.

By nature, LED light sources run significantly cooler than metal halide lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional halide lighting. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic driver allows the EPHL-HHB-175W-LED to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights. As a result, the Larson Electronics Explosion Proof Light has a rated service life of 50,000 hours.

The EPHL-HHB-175W-LED explosion proof hazardous area lamp is housed within a lightweight, high strength copper-free aluminum body. The EPHL-HHB-175W-LED explosion proof hazardous area lamp is housed within a lightweight, high strength copper-free aluminum body. Protecting the LED lamp is a thermal shock resistant glass globe set within a cage-style lamp guard. The housing and guard have been finished with an epoxy powder, and all exposed hardware is constructed of stainless steel for added corrosion prevention and durability. The LED assembly is connected with a solderless board connection for increased vibration resistance. The Larson Electronics EPHL-HHB-175W-LED is offered in wall, ceiling, pendant or stanchion mount. Wiring is through a convenient 3/4" NPT conduit entrance (1-

1/2" for stanchion mount), and a simple hinge arrangement makes for faster and easier installation by permitting "hands-free" wiring.

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 70% lumen output after 55,000 operating hours.
6. Powder coated aluminum fixture body.
7. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 6,515 Lumen output from only 65 watts

Superior LED Benefits

1. 55,000 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.
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Frequently Asked Questions (FAQ)









EPHL-HHB-175W-LED

Product ID: 144586

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPHL-HHB-175W-LED-Mount

Example: EPHL-HHB-175W-LED-PND

Mount	
PENDANT	-PND
WALL	-WAL
CEILING	-CLG
25° STANCHION	-25STCH
1IN NPT PENDANT	-1IN-PND
1IN NPT WALL	-1IN-WAL
1IN NPT CEILING	-1IN-CLG

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)