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EPL-HB-13K-LED

149W Explosion Proof LED Light Fixture - 13,583 Lumens - Class I Division 2 - Class II - Class III

Product ID: 144293

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-13K-LED Explosion Proof LED Fixture
Type: Hazardous Location LED
Dimensions: 16.32" OD x 15.42" H
Weight: 55 lbs
Total Lumens: 13583
Watts: 149W
Luminous Efficacy: 91.2 Lm/W
Voltage: Multi-Voltage Capable - 120-277V AC, 50/60Hz and 108-250V DC
Input Amps (AC): 1.25-0.54 @ 120-277V AC
Input Amps (DC): 1.43-0.60 @ 108-250V DC
Power Factor: >0.95
Ambient Operating Temperature: -25°C to +55°C
Maximum Ambient Temperature: 55°C
Temperature Rating: T5
Color Temperature: 5000K
Color Rendering Index: 70
Housing Material: Copper Free Aluminum
Housing Color: White
Lens Material: Shatter Resistant Explosion Proof Glass
Gaskets: Silicone
External Hardware: Stainless Steel
Mounting: Pendant, Ceiling or Wall
Hubs: 3/4" NPT

Ratings/Features:
NEC and CEC Certified
Class I Division II Groups B, C & D
Class II Groups E, F & G
Class III
UL Listed (UL 844, UL 1598 and UL 1598A)
NEMA 4X
IP66
60,000+ Hour Service Life
Easy Installation
Factory Sealed
Energy Efficient - Draws Only 112 Watts

Special Orders - Special Requirements
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The EPL-HB-13K-LED from Larson Electronics is a Class I Division 1 Explosion Proof LED hazardous area LED light fixture designed to

withstand harsh conditions and provide operators with superior illumination while using much less power than more traditional lights such as metal halide fixtures. The EPL-HB-13K-LED features easy installation in both new construction and retrofit projects as well as extremely durable die cast aluminum construction. The explosion proof LED lights are ideal for a wide variety of applications and hazardous environments.

The EPL-HB-13K-LED Explosion Proof LED Light Fixture is rated for Class I Division 1 Groups B, C & D, Class II Groups E, F & G and Class III hazardous environments. The LED lighting unit is also rated for marine environments, wet locations and hose down areas with both NEMA 4X and IP66 ratings. The EPL-HB-13K-LED has a 60,000+ hour rated service life and can operate 24/7 for 365 continuous days. This LED luminare is shock and vibration resistant with no filaments or glass components that can break and a shatter resistant explosion proof glass.

Light Information: The EPL-HB-13K-LED offers operators a bright source of light for a large variety of hazardous environments and in areas that require a continuous source of consistent light levels in areas with extreme ambient temperatures. The EPL-HB-13K-LED produces 13,583 lumens of cool white light with a color temperature of 5000K.

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.

Power: The EPL-HB-13K-LED draws 149 watts of power and is multi-voltage capable. The EPL-HB-13K-LED is able to operate on voltage from 120-277V AC 50/60Hz and 108-250V DC. The wide range of voltages that this explosion proof LED light can operate on further increases the versatility of the light.

Mounting: The EPL-HB-13K-LED is a pendant mount unit that has 3/4" NPT threaded hubs. This explosion proof LED light can be pendant, ceiling or wall mounted. This LED light is recommended for areas with mounting heights of up to 30 feet.

Applications: Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

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.

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.

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. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 10,997 Lumen output from 112 watts

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)



EPL-HB-13K-LED

Product ID: 144293

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-HB-13K-LED-Mount

Example: EPL-HB-13K-LED-PND

Mount	
PENDANT	-PND
CEILING	-CLG
WALL	-WALM
STANCHION	-STNCH

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map