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EXHL-LE1-LED-1227-HDGN-M-100-EPP

25W Explosion Proof LED Light Fixture - Class I, II, III - 2,750 lms - Gooseneck Mount - Wiring Hub

Product ID: 277179

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.

EXHL-LE1-LED-1227-HDGN-M-100-EPP Explosion Proof LED Light Fixture

Listing: NRTL Listed for United States, Canada, European Union, International
Lamp Technology: LED
Dimensions: 8"-L x 6"-W x 16"-H
Weight: -
Watts: 25W
Voltage: 120-277V AC
Lumens: 2,750 lms
Luminous Efficacy: 110 Lm/W
LED Light Color: 6000K - White
LED Life Expectancy: 50,000 hours
Lighting Configuration: 10° Spot or 40° Flood
Spot Beam: 800'L x 140'W
Flood Beam: 300'L x 225'W
Ambient Operating Temp Range: -40°C to +60°C
Housing Material: Aluminum
Light Housing Color: Powder Coated - Grey
Lens Material: Borosilicate Glass
Mounting: Gooseneck Mount w/ Magnetic Base Plate
Wiring: 100` 16/3 SOOW Cable w/ Explosion Proof Cord Cap
Cord Cap Options: 5-15P, 5-20P or 6-20P
Wiring Hub: Rear Wiring Box w/ Terminal Strips (3/4" NPT Threaded)

Ratings/Approvals

Class I, Divisions 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H2, IIA
Class II, Divisions 1 & 2, Groups E, F ,G
Class III, Divisions 1 & 2
NEMA Type 3, 4, 4X, 7 (B,C,D), 9 (E,F,G)
ATEX Ex II 2 G/D
IECEx db IIC Gb
IECEx tb IIC Db IP66
Versatile Gooseneck Mounting System
Magnetic Base Plate w/ (4) 200lb Magnets

Special Orders - Special Requirements

Contact us for special requirements

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The EXHL-LE1-LED-1227-HDGN-M-100-EPP from Larson Electronics is an Explosion Proof LED Fixture that provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. This unit is equipped with a rear access wiring hub and terminal strips, as well as a versatile gooseneck mounting system equipped with a magnetic mounting plate that features four powerful 200 lb magnets. This magnetic solution provide reliable mounting and versatile positioning in a wide variety of situations.

The EXHL-LE1-LED-1227-HDGN-M-100-EPP produces 2,750 lumens of high-intensity LED light for illumination within hazardous areas and potentially explosive work environments. This 25-watt explosion proof LED light fixture operates on 120-277V AC. The unit is available in two lighting configurations: spot or flood. The spot configuration features a 10° beam that measures 800`L and 140`W. The flood configuration throws a 40° beam that measures 300`L and 225`W.

Durability: The explosion proof LED light fixture from Larson Electronics is rated NEMA Type 3, 4, 4X, 7 (B,C,D) and 9 (E,F,G) and designed to withstand the rigors of demanding environmental and operating conditions while remaining lightweight and easy to use. These units can operate in temperatures of -40° Celsius to 60° Celsius, are waterproof to 3 meters and resist the ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are shatterproof borosilicate glass. The LEDs offer inherent LED resistance to shocks and vibrations.

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.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof LED light is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Wiring is connected via a serviceable access hub on the back of the fixture. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets. ***PLEASE NOTE**** *voltage ratings on plugs and*

outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.

Mounting: The EXHL-LE1-LED-1227-HDGN-M-100-EPP features a magnetic gooseneck mounting system that offers operators a high degree of versatility and adjustment. This mounting system features four pivot points that offer maximum flexibility and precision in adjusting and positioning the light head. This allows operators to dial in the ideal position for precise coverage of their work area with the infrared LED light as required. Two sets of double ball joints allow for swivel movement and are adjusted by loosening/tightening aluminum T-handles on the gooseneck mount and thumbscrews on the trunnion bracket that connects the light head to the mounting bracket. A magnetic base plate that features four 200lb magnets offers further versatility and allows operators to securely attach the light to magnetic surfaces. This allows for temporary mounting for inspection operations on the job site, as well as providing a mounting method for instances where drilling holes isn`t desired or where a quick and fast installation is needed.

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.

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Frequently Asked Questions (FAQ)

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Product ID: 277179

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EXHL-LE1-LED-1227-HDGN-M-100-EPP-Cord Cap-Beam Config

Example: EXHL-LE1-LED-1227-HDGN-M-100-EPP-1523-SP

Cord Cap	
5-15P	-1523
5-20P	-2023.125V
6-20P	-2023.250V

Beam Config	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

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