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EPL-LP-70W-LED-HDGN-M-100-EPP

70W Explosion Proof LED Light Fixture - 6000 Lumens - C1D1&2 - Gooseneck Mount - Wiring Hub

Product ID: 146998

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-LP-70W-LED-HDGN-M-100-EPP Explosion Proof LED Light Fixture
Lamp Type: LED
Dimensions: 13.55"-L x 12.00"-W x 35.57"-H
Total Watts: 70W
Lumens: 6,000
Voltage: Universal - 100-277V AC, 50/60Hz
Lighting Configuration: Flood Pattern
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, 6-20P
Wiring Hub: Rear Wiring Box w/ Terminal Strips (3/4" NPT Threaded)
Weight: 30 lbs
U.L. Listing: Explosion Proof
Temp Rating: T5 -40°C to +45°C
Color Temp: 5000K, >70-CRI.
Lamp Life: 100,000+ Hours
Beam Spread: 180° or 360°
Power Factor: >90%

Ratings/Approvals
T5 Temperature Rating
Class I Divisions 1 & 2 Groups C & D
Class II Divisions 1 & 2 Groups E, F & G
UL 844
UL-1598/A
IP66
NEMA 4X
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 EPL-LP-70W-LED-HDGN-M-100-EPP from Larson Electronics is a Low Profile LED Light 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 which provide reliable mounting and positioning versatility in a wide variety of situations.

This Class I Divisions 1 & 2, Class II Divisions 1 & 2 explosion proof light fixture provides 6,000 lumens of high quality light while drawing only 70 watts. It is available in 360° and 180° beam spreads. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. A special heat dissipating design in conjunction with advanced LED driver technology helps this fixture achieve an excellent 100,000 hour rated lifespan with 70% 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 universal-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a ballast or transformer. The aluminum body and LED lamp assembly gives 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 emitters. This high output LED lamp produces 6,000 lumens with a color temperature of 5000K and a color rendering index of 70, which means this lamp render colors and details much more accurately than high pressure sodium or mercury vapor luminaries.

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.

Note on Beam Spread: The 360° beam spread is the standard directional output and typical for flood lights. The 180° shines in only one direction. This is good for down lighting, wall packs and for not blinding oncoming traffic or pedestrians.

Mounting: The EPL-LP-70W-LED-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 install is needed.

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 connnected via a servicable 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.*
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, MV.
5. Retains 70% lumen output after 100,000 operating hours.
6. Powder coated aluminum fixture body.
7. Versatile gooseneck mounting system with powerful magnetic base plate featuring (4) 200lb magnets.
8. Low profile - Light weight
9. 6,000 Lumen output from only 70 watts

Superior LED Benefits

1. 100,000 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 LEED 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)









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Product ID: 146998

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-LP-70W-LED-HDGN-M-100-EPP-Beam Spread-Cord Cap

Example: EPL-LP-70W-LED-HDGN-M-100-EPP-360-1523

Beam Spread	
360 DEGREES	-360
180 DEGREES	-180

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

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **Operations Manual**
- **STEP File (3D CAD Model)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**