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MMLP-1MLED-B-24OD-12P

24" Temporary Manhole Mount Explosion Proof LED Fixture - Group B Hydrogen - 12" Drop Tank Nozzle

Product ID: 72907

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.

MMLP-1MLED-B-24OD-12P Manhole Mount Light
Lamp Type: LED
Dimensions: 16" Diameter, 5" Thickness- 24" Man-Way Support Bracket
Weight: 41lbs
Total Watts: 150W
Lumens: 16,000
Voltage: Multi- 100-277 VAC, 50/60Hz
Lighting Configuration: Flood Pattern
Beam Lux: 8500@ 1 Meter 1250@ 3 Meters
Temp Rating: T5 -40C to +65C
Color Temp: 6000K, 70-CRI.
Mounting: 21" Manway Entry Support Plate w/ 12" Pipe
Wiring: 50 Foot SOOW Cord with EXP Cord Cap
Cord Cap: 5-15 Explosion Proof Straight Blade Plug - C1D1

Ratings
T5 Temperature Rating
Class 1 Division 1&2 Groups B, C and D
Class 2 Division 1&2 Groups E,F,G
Class 3 Division 1&2 Groups E,F,G
Certified to UL844 and C22.2 Standards
Approved for Hydrogen

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The Larson Electronics MMLP-1MLED-B-12P Group B Temporary Manhole Mount LED Light Fixture provides operators with a powerful and highly convenient alternative to traditional string or tank lights. LED technology, an innovative 24" man-way support bracket, and compact design, makes this lamp an excellent lighting solution for operators working within storage tanks, railcars, and other locations where entry is

through a 24" man-hole opening.

This Class 1 Division 1 & 2, Class 2 Division 1 & 2 explosion proof light fixture provides 16,000 lumens of high quality light while drawing only 150 watts. This unit is Class 1 Division 1, Group B approved for use in environments where hydrogen is always present. 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 technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. This 16 inch diameter LED light is attached to a 21 inch supporting plate which allows the light fixture to hang inside the tank or railcar while the supporting plate rests on the lip of a man-way opening.

This mounting system provides an extremely versatile lighting option for those working in confined spaces such as rail cars, storage tanks, ship tanks and the like where entry is through a 24" man-way opening. The light is suspended 12" from the lip to lower the light source into the tank.

Click Photo to Enlarge Click Photo to Enlarge Click Photo to Enlarge

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 lamp produces 16,000 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 MMLP-1MLED-B-12P offers excellent convenience and effectiveness with a 24" manhole mounting support bracket that eliminates the need for special mounting fixtures or cumbersome string light systems.

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 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Highly convenient and innovative man-way support bracket provides an excellent alternative to string lights.
8. Low profile - Light weight
9. 16,000 Lumen output from only 150 watts.
10. Class 1, Divisions 1 & 2, Group B hydrogen rated

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 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: 72907

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**