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MMLP-1MLED-JH24-ATX316

Adjustable Tank Nozzle (Manway) Mount Explosion Proof LED Light - 150’ Cord - 16K Lumens - ATEX Plug

Product ID: 106387

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-JH24-ATX316 Manhole Mount Light
U.L. Listing: Explosion Proof
Lamp Type: LED
Dimensions: 16" Diameter, 5" Thickness- 24" Man-Way Support Bracket
Weight: 41 lbs
Total Watts: 150W
Lumens: 16,000
Voltage: 100-130V AC, 50/60Hz or 200-250V AC, 50/60Hz
Lighting Configuration: Flood Pattern
Beam Lux: 8500@ 1 Meter 1250@ 3 Meters
Color Temp: 6000K, 70-CRI.
Temp Rating: T4A -40°C to +60°C
Temp Rating: T5 -40°C to +65°C
Mounting: 24" Manway Entry Support Brackets

Ratings
T5 Temperature Rating
Class I Division 1&2 Groups C and D
Class II Division 1&2 Groups E,F,G
Class III Division 1&2 Groups E,F,G
cETL Certified to UL844 and C22.2 Standards

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

The Larson Electronics MMLP-1MLED-JH24-ATX316 Temporary Manhole Mount Light Fixture provides operators with a powerful and highly convenient alternative to traditional string or tank lights. LED technology, an innovative 24" tank nozzle 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. 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 suspended three feet into the manway entery by two 1/2" wide 1/4" thick aluminum straps. The mounting straps have a 3 1/2" fold over to accommodate 1/4" nozzle lips. This light fixture is designed to hang inside the tank or railcar while the supporting plate rests on the lip of man-way opening.

The inverted mounting hooks are 24" apart and each hook features 30 degrees of adjustablility. 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.

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.

Voltage: This light is available in both 100-130V AC and 200-250V AC to provide operators with several options to suit their needs.

Wiring & Plug: This explosion proof tower mounted flood lighting system is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof ATEX rated pin and sleeve cord cap for easy connection to explosion proof outlets. The cord cap is a 2-pole, 3-wire IEC60309 pin and sleeve type cord cap that is rated for 16 amps.

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-JH24-ATX316 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.

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. 60,000 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, 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

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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MMLP-1MLED-JH24-ATX316

Product ID: 106387

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

MMLP-1MLED-JH24-ATX316-Voltage

Example: MMLP-1MLED-JH24-ATX316-125V

Voltage	
100-130V	-125V
200-250V	-250V

Links (Click on the below items to view):

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