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MMLP-1MLED

Temporary Manhole Mount Explosion Proof LED Fixture - 16,000 Lumen - Tank Nozzle Mount Lighting

Product ID: 48758

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 Manhole Mount Light
U.L. Listing: Explosion Proof
Lamp Type: LED
Dimensions: 16" Diameter, 5" Thickness - 21" Man-Way Support Bracket
Weight: 41 lb
Total Watts: 150W
Lumens: 16,000
Voltage: Multi - 100-277 V AC, 50/60 Hz
Lighting Configuration: Flood Pattern
Color Temp: 6000K, 70-CRI
Beam Lux: 8500 @ 1 Meter; 1250 @ 3 Meters
Temp Rating: T4A -40°C to +60°C
Temp Rating: T5 -40°C to +65°C
Mounting: 21" Manway Entry Support Plate
Wiring: 50' 16/3 SOOW Cord Explosion Proof Plug
Cord Cap: 5-15, 5-20, or 6-20

Ratings
T5 Temperature Rating
Class I Divisions 1 & 2 Groups C and D
Class II Divisions 1 & 2 Groups E,F,G
Class III Divisions 1 & 2 Groups E,F,G
NRTL 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 MMLP-1MLED from Larson Electronics is a Temporary Manhole Mount Light Fixture that provides operators with a powerful and highly convenient alternative to traditional string or tank lights. LED technology, an innovative 21" 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 21" man-hole opening.
This Class I Divisions 1 & 2, Class II Divisions 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 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 21" man-way opening.

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

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.
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 lamps. The copper free aluminum alloy lamp body is powder coated for added durability and resistance to corrosions. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Included with this tank cleaning LED light is 50' of 16/3 SOOW cable terminated in an explosion proof plug. This unit is universal voltage (not multi-tap) and operates on a range from 100-277 volts 50/60 Hz AC without any modifications to the light. This lamp is T5 temperature rated and the LED light head retains 80% of its lumen output after 60,000 hours of use, far longer than incandescent or fluorescent lamps. This portable explosion proof light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The MMLP-1MLED offers excellent convenience and effectiveness with a 21" manhole mounting support bracket that eliminates the need for special mounting fixtures or cumbersome string light systems.
Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This temporary manhole mount light fixture is equipped with 50 foot 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. 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.

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Frequently Asked Questions (FAQ)

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MMLP-1MLED

Product ID: 48758

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

MMLP-1MLED-Cord Cap

Example: MMLP-1MLED-1523

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

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **SpecSheetArabic**
- **SpecSheetFrench**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**