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MMLP-1MLED-25

Temporary Manhole Mount Explosion Proof LED Fixture - 16K Lumens - Tank Nozzle Mount Lighting - 25'

Product ID: 73089

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-25 Manhole Mount Light
U.L. Listing: Explosion Proof
Lamp Type: LED
Dimensions: 16" Diameter, 5" Thickness- 21" Man-Way Support Bracket
Weight: 41lbs
Total Watts: 150W
Lumens: 16,000
Voltage: Multi- 100-277 VAC, 50/60Hz
Lighting Configuration: Flood Pattern
Color Temp: 6000K, 70-CRI.
Beam Lux: 8500@ 1 Meter 1250@ 3 Meters
Temp Rating: T4A -40C to +60C
Temp Rating: T5 -40C to +65C
Mounting: 21" Manway Entry Support Plate
Wiring: 25` 16/3 SOOW Cord with an Explosion Proof Plug
Cord Cap: 5-15 Straight (120V), 5-20 Twist (120V), or 6-20 Twist (250V) Explosion Proof Plug

Ratings
T5 Temperature Rating
Class 1 Division 1&2 Groups C and D
Class 2 Division 1&2 Groups E,F,G
Class 3 Division 1&2 Groups E,F,G
ETL 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-25 Temporary Manhole Mount Light Fixture 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 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 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

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

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 25` of 16/3 SOOW cable terminated in an explosion proof plug. We offer three cord cap options: 5-15 straight blade plug (standard USA wall plug), 5-20 twist lock plug (120V), and 6-20 twist lock plug (250V).

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-25 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.

High Quality Features

1. Low power consumption.

Superior LED Benefits

1. 60,000 hour lifespan.

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

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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MMLP-1MLED-25

Product ID: 73089

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

Options:

MMLP-1MLED-25-Cord Cap

Example: MMLP-1MLED-25-1523

Cord Cap	
5-15 (120V)	-1523
L5-20 (125V)	-2023-125V
L6-20 (250V)	-2023-250V

Links (Click on the below items to view):

- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**