

MMLP-18AL-150LED-RT

Temporary Manhole Mount Explosion Proof LED Fixture - 21,000 Lumen - Tank Nozzel Mount Lighting

Product ID: 71457

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-18AL-150LED-RT Manhole Mount Light

Lamp Type: Cree LED

Dimensions: Height: 14" Length: 16" Man-Way Support Bracket

Weight: 75lbs

Voltage: Multi- 100-277 VAC, 50/60Hz

Total Watts: 150W

Lumens: 21,000

Luminous Efficacy: 140 Lm/W

LED Lamp Life Expectancy: 60,000 Hours

Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K

Color Rendering Index: >75 CRI

Beam Lux: 8500@ 1 Meter 1250@ 3 Meters

Lighting Configuration: Flood Pattern

Mounting: 18" Man Way Entry Support Plate

Temp Rating: T5 -50C to +85C

Wiring: 50' SOOW Cord with an ECP 1523 Explosion Proof Plug

Ratings/Approvals

Class 1 Division 1&2 Groups A,B, C, D

Class 2 Division 1&2 Groups E, F, G

Class 3 Division 1&2

cETL cUL Listed For Canada

cETL Certified to UL844

UL 595 Wet Location

Paint Spray Booth

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics MMLP-18AL-150LED-RT Temporary Manhole Mount Light

Fixture provides operators with a powerful and highly convenient alternative to traditional string or tank lights. Cree LED technology, an innovative 18" 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 18" man-hole opening.

This unit is a Class 1 Division 1 & 2, Class 2 Division 1 & 2, and Class 3 Division 1 & 2 explosion proof adjustable light fixture that provides 21,000 lumens of high quality light while drawing only 150 watts and is IP68 water proof. The non sparking aluminum 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 50,000 hour rated lifespan with 80% lumen retention. This 14" x 16" LED light fixture is attached to a 18" supporting plate which allows the light fixture to hang inside a tank or railcar while the supporting plate rests on the lip of a man-way opening. The adjustable light head is connected to a pull cable, which allows operators to change the angle of the light to preset positions of 0°, 45°, and 90° angles. 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 an 18" man-way opening.

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This light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. The light head is easily adjusted to present 0°, 45°, and 90° angles and locked in. 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 21,000 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 75, which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The MMLP-18AL-150LED-RT offers excellent convenience and effectiveness with an 18" 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 50,000 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. 21,000 Lumen output from only 150 watts

Superior LED Benefits

1. 50,000 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.



Frequently Asked Questions (FAQ)



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Product ID: 71457

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [HigResPic1](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
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