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## MMLP-1MLED-12P

# Temporary Manhole Mount Explosion Proof LED Fixture - Tank Nozzle Mount Lighting - 12" Drop

**Product ID: 71246**

**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-12P Manhole Mount Light**

**Listing:** United States & Canada
**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
**Beam Lux:** 8500@ 1 Meter 1250@ 3 Meters
**Color Temp:** 6000K, 70-CRI.
**Temp Rating: T5** -40C to +65C
**Temp Rating: T4A** -40C to +60C
**Mounting:** 21" Manway Entry Support Plate w/ 12" Pipe
**Wiring: 50 Foot SOOW Cord with an ECP 1523 Explosion Proof Plug**

3 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement. Please click here to see our 3 Year Warranty pamphlet.

**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
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-12P 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, rail-cars, 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. 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

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.

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 HBLP-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.

### 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.

### 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

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

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)









**MMLP-1MLED-12P**

**Product ID: 71246**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **SpecSheetArabic**
- **SpecSheetFrench**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**