Larson Electronics LLC
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EPL-MPM-150LED-100

150 Watt C1D1 Explosion Proof LED Light - Non-Spark Aluminum Base w/ Magnetic Feet - 120-277 - 100'

Product ID: 105481

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.

EPL-MPM-150LED-100 Explosion Proof LED Light

Listing: United States
Lamp Type: Cree LED
Dimensions: 16"-W 14"-H 5"-D` Light head
Weight: 65 Lbs
Total Watts: 150 watts
Voltage: 100-277 VAC, 50/60Hz or 11-25 Volts AC/DC
Lamp Lumens: 21,000
Luminous Efficacy: 140 Lm/W
Lamp Life Expectancy: 60,000 Hours
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
Color Rendering Index: >75 CRI
Operating Temp Range: T5 Rated -50°C to +65°C
Mounting: Triangular Shaped Aluminum Base Stand w/ Magnetic Base
Magnetic Force: 800 Lbs (4x 200 lbs)
Materials: Aluminum Frame & Body, Glass Lens
Finish: Powder Coated - Gloss Blue
Beam Type: Wide Flood
Power Factor: 0.992

Ratings/Approvals

Class 1 Division 1 & 2, Groups C and D
Class 2, Divisions 1 & 2, Groups E,F,G
Class 3, Divisions 1 & 2
T5 Temperature Rating
Certified to UL844 and C22.2 Standards
LEL Approved
Paint Spray Booth Approved
IP67 Rated Waterproof
Multiple LED Driver Banks
80% Lumen Retention @ 50,000 Hours

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Wiring: 100` 16/3 SOOW Cord Explosion Proof Cord Cap

Cord Cap: 5-15 Straight (120V), 5-20 Twist (120V), or 6-20 Twist (250V) Explosion Proof Plug

Intl: 1-903-270-1187

Fax: 1-903-498-3364

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Made in the USA

The EPL-MPM-150LED-100 Explosion Proof Base Stand LED Light with Magnetic Feet from Larson Electronics is rated Class 1 Division 1-2 Groups C & D and Class 2 Division 1-2 and uses a 16 inch Cree LED light head to produce 21,000 lumens of light while drawing only 150 watts. The portable A-Frame stand features four 200 lb grip magnets to keep the fixture in place during deployment.

The EPL-MPM-150LED-100 explosion proof LED light provides 9,500 square feet of work area coverage with 21,000 lumens of light output. This portable LED light is mounted to an A-frame style aluminum base with four 200 lb grip magnets and has an adjustable LED light head measuring 16 inches wide by 14 inches high. The LED light head on this unit produces a brilliant flood pattern of light that is ideal for illuminating enclosed areas and hazardous locations where flammable vapors, gases and dusts may be present.

This explosion proof LED light fixture is comprised of a 16 inch wide square LED light head mounted within a portable base stand fabricated from non sparking aluminum with a convenient carrying handle built into the top of the stand and four magnets build into the base. Each magnet offers 200 lbs of gripping force, for a combined 800 lbs of magnetic force to hold the light fixture in place during deployment. The aluminum A-frame is powder coated with glossy blue finish for corrosion resistances and aesthetics. The lamp can be easily adjusted up or down 90 degrees and locked into position by simply loosening the two hand screws located on either side of the light head and retightening them once the desired angle is found.

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

The explosion proof LED light head in this unit features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

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 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 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 LED light is 100` 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, or low voltage 11-25 volts AC/DC. 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.

Suggested Applications: This pedestal base stand explosion proof light is ideal for applications including tank cleaning, inspection and MRO, paint spray booths, construction, temporary offshore & marine lighting, portable rig lighting, grain processing, oil field lighting, fleet services and pit lights, and any application Class 1 & 2, Division 1 & 2 explosion proof or hazardous location environment requiring durable and quality lighting in a portable form factor.

Made in USA Quality

1. Approved Class 1 Div 1-2 Class 2 Div I-2
2. Led lamp head requires no lamping.
3. Durable Base Mount constructed of copper free aluminum.
4. No ballast box. No ballast to replace.
5. Extreme long life LEDs reduce maintenance and replacement costs.
6. Adjustable LED light head.
7. 5000K Color Temperature and Color Rendering Index of 75
8. 21,000 Lumens produced from only 150 watts.
9. Mercury free shock proof LED lamp light head.

Superior LED Benefits

1. 60,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off – No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)




LARSON
ELECTRONICS





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EPL-MPM-150LED-100
Product ID: 105481

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

Options:
EPL-MPM-150LED-100-Voltage-Cord Cap-Color Temp
Example: EPL-MPM-150LED-100-1227-1523-50K

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

Cord Cap	
5-15	-1523
5-20	-2023-125V
6-20	-2023-250V

Color Temp	
5000K	-50K
4000K	-40K
3000K	-30K

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 3, Misc
- IES (Photometric File)
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map