Larson Electronics LLC
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EPL-EMG-48-4L-LED-G2

Explosion Proof Emergency LED light - 4 foot 4 lamp - Backup Ballast - Class 1 & 2 LED Light

Product ID: 68902

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-EMG-48-4L-LED-G2 LED Explosion Proof

NRTL Listed for United States & Canada

Dimensions: W-11.25" L-52" H-8.5 "

Weight: 45 Lbs

Total Watts: 112 watts

Voltage: Universal 120-277VAC 50/60 hz

Low Voltage (Optional): 12/24 Dc power

LED Lamp Life Expectancy: 50,000+ Hours

Efficiency: 98.21 Lumens per Watt

Operating Temp Range: -30 C to 70 C

Beam Angle: 150 degrees

Color Temp: 5300K

Mounting: Surface Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

Ratings

Class 1 Division 1, Groups C and D T6

Class 1 Division 2, Group A,B,C,D

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)

NRTL Certified to UL 844, 924

NRTL Certified to UL 1598 Marine Type

Class II, Division 1 - 2, Groups E,F,G

California Title 24 Compliant

Listed for Paint Spray Booth Operation

Special Orders - Special Requirements

Contact us for special requirements

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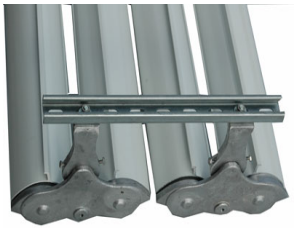
Made in the USA

The EPL-EMG-48-4L-LED-G2 Explosion Proof LED Light Fixture from Larson Electronics is NRTL Listed for United States and Canada Class 1

Division 1 & 2 and Class 2 Division 1 and 2 for areas where flammable chemical/petrochemical vapors exist or have the potential to exist.This explosion proof LED light has a T-6 temperature rating and a carries a paint spray booth light certification as well.

******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******

The EPL-EMG-48-4L-LED-G2 is equipped with our specially designed LED G2-series bulbs which produce 30% more foot candles of illumination at 8 feet as compared to standard T8 lamps when measured with an Extech light meter. Our LED G2 series bulbs are visibly brighter than standard T8s and have consistently surprised many of our customers with their unexpectedly high light output levels. We have replaced two 8 foot dual lamp T8 fixtures in our own facility with our LED T series lamps and produced more illumination in the work area with only one 2 lamp 4 foot long LED fixture. We now offer our second generation LED tube lamps with this fixture which increases this hazardous location light's level of performance. With an integrated emergency ballast, this explosion proof LED light will continue to operate one lamp for 90 minutes at 2750 lumens once the main electrical power to the light is severed. Once standard electrical power is restored, the emergency battery pack will be recharged.



Click Photo to Enlarge



Click Photo to Enlarge

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We have eliminated the ballast normally associated with fluorescent fixtures, which allows for instant on operation. The LEDT8-28W-V1 LED lamps have a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. The solid state design of the LED lamps give this fixture superior resistance to damage from vibration, extremes in temperature, and a lamp service life over twice that of standard T8 bulbs.

The 28 watt LED lamps produce more illumination than standard T8 bulbs, but draw only 3/4 of the current. A standard EPL-EMG-48-4L-T8 explosion proof fluorescent light, with a combined total of 128 watts, draws 1.06 amps @ 120 volts. This LED version of the same light, with a total of 112 watts, draws only 0.94 amps. The EPL-EMG-48-4L-LED-G2 LED is multi-voltage (universal) and operates on any voltage from 120V to 277V AC 50/60hz. We also make a 12/24VDC version for low voltage applications (-LV suffix) for DC power.

Our EPL-EMG-48-4L-LED-G2 LED light fixture is NRTL Listed for United States and Canada for use in paint spray booths. Please note, according to the NEC, using threaded rigid pipe does not require additional seal offs with this fixture. An EYM and seal off is necessary for flex conduit or other non-rigid pipe implementations.

Standard Bracket Mounts: Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg. The above pictures shown illustrate the mounting brackets and also show the access caps for changing the bulbs.

Additional mounting options: Unless otherwise specified, our standard, most

popular configuration is the bracket end mounting shown enlarged below. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit).

Made in USA Quality

1. Each unit dialectrically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets enable the operator to choose any mounting angle for the fixture.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy
4. No ballast box. No ballast to replace. We simply run the black wire to one end of the bulb and white wire to the other.
5. Heavy gauge extruded aluminum reflectors with high gloss reflective finish. Resists dents and corrosion.
6. A wrench is used to unscrew the end caps for relamping the fixture, while some competitive models require the “tap and knock off” method to loosen the end cap.
7. Explosion proof, impact and heat resistant Pyrex tubes provide lamp protection.

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.

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Frequently Asked Questions (FAQ)

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EPL-EMG-48-4L-LED-G2
Product ID: 68902

Warranty: 60 Months

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

Options:
EPL-EMG-48-4L-LED-G2-Mount-Voltage
Example: EPL-EMG-48-4L-LED-G2-SFC-110277

Mount	
SURFACE	-SFC
PENDANT	-PND

Voltage	
110-277VAC	-110277
9-32VDC	-932

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**