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EPL-EMG-24-4L-LED

Explosion Proof LED Light w/ Emergency Ballast Back Up - 2 Foot, 4 Bulbs - Class I & II, Div. I

Product ID: 70374

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-24-4L-LED Explosion Proof
NRTL Listed for United States & Canada
Lamp Type: LED
Dimensions: W-22.50" L-27" H-8.5 "
Weight: 57 Lbs
Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz
Low Voltage (Optional): 12-24V DC
Total Watts: 60 watts
Total Lumens: 5,400
Luminous Efficacy: 90 Lm/W
LED Lamp Life Expectancy: 50,000+ Hours
Color Temp: 5600K or 4100K
Beam Angle: 150°
Ambient Operating Temp Range: -30° C to 85° C
Mounting: Unistrut
Wiring Hub: 1/2 inch threaded
Operating Temp Rating: T6 Rated

Ratings
Class 1 Division 1, Groups C and D
Class 1 Division 2, Groups A,B,C,D
Class II, Division 1&2, Groups E,F,G
NRTL Certified to UL 595 Outdoor Marine Type (Saltwat
NRTL Certified to UL 1598 Marine Type
NRTL Certified to UL Certified- Canadian Standards
Listed Paint Spray Booth Use
NRTL Certified to UL 844 924
Switch Leg for Powering Light On/Off

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The Larson Electronics EPL-EMG-24-4L-LED is NRTL Listed for United States and Canada Class 1 Division 1 - Class 2 Division 1 and 2, has a T6 temperature rating and is an ideal lighting solution for areas where flammable petrochemical vapors and/or pulverized dust exist or have the potential to exist.

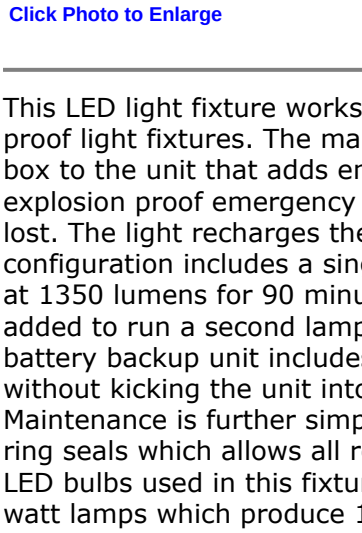
******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******

This 2 foot long 4 lamp LED tube fixture is ideal for operators seeking a top quality explosion proof light that will reduce operating costs, improve lighting quality and reduce downtime incurred from frequent servicing intervals.

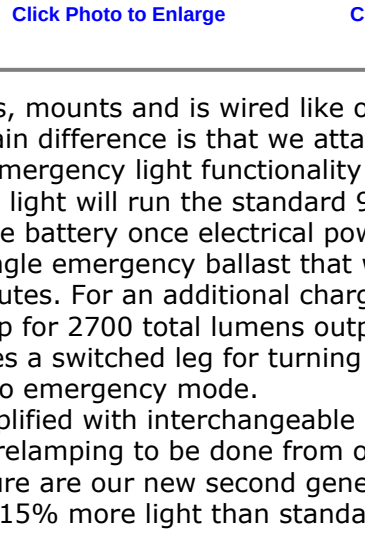
The EPL-EMG-24-4L-LED is equipped with specially designed LED T-series bulbs which produce nearly 15% more light than standard T8 bulbs. Our new LED-T series bulbs are visibly brighter than standard T8s and have consistently surprised many of our customers with their unexpectedly high light output levels. This 4 LED bulb explosion proof fixture is lighter in weight, has a slimmer profile, and produces more light than traditional explosion proof fluorescent fixtures. The 2 foot long LED tube design bulbs included with this unit are rated at 50,000 hours of service life, which is twice as long as T8 bulbs.

This fixture carries a T6 temperature rating and is Class 1 Division 1, Groups C and D, Class 1 Division 2, Group A,B,C and D, and Class II, Division 1 and 2, Groups E, F and G.

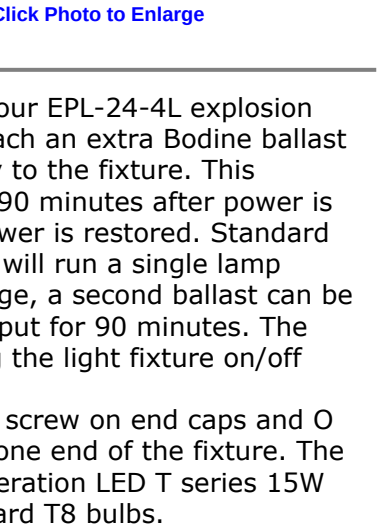
Click Photo to Enlarge



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Click Photo to Enlarge



This LED light fixture works, mounts and is wired like our EPL-24-4L explosion proof light fixtures. The main difference is that we attach an extra Bodine ballast box to the unit that adds emergency light functionality to the fixture. This explosion proof emergency light will run the standard 90 minutes after power is lost. The light recharges the battery once electrical power is restored. Standard configuration includes a single emergency ballast that will run a single lamp at 1350 lumens for 90 minutes. For an additional charge, a second ballast can be added to run a second lamp for 2700 total lumens output for 90 minutes. The battery backup unit includes a switched leg for turning the light fixture on/off without kicking the unit into emergency mode.

Maintenance is further simplified with interchangeable screw on end caps and O ring seals which allows all relamping to be done from one end of the fixture. The LED bulbs used in this fixture are our new second generation LED T series 15W watt lamps which produce 15% more light than standard T8 bulbs.

The solid state design of the LED lamps and integral spring loaded end sockets give this fixture superior resistance to damage from vibrations and extremes in temperature as well as a lamp service life over twice that of T8 bulbs. Our LED-T series lamps produce more illumination than standard T8 bulbs. This fixture is multi-voltage capable (not multi-tap) and works on the following voltages: 120 Volt 60 HZ, 220 Volt 50 HZ, 240 Volt 60 HZ, 277 Volts 60 HZ. We also make a 12-24V DC version for low voltage applications (-LV suffix). Our EPL-48-4L-LED LED light fixture is NRTL Listed for United States and Canada for use in paint spray booths.

Mounting: Standard end mounting via Unistruts. The Unistrut is attached to our standard L-bracket mounts. These L-bracket mounts can be adjusted to create angle mounts. As illustrated in the photos above, the series of mounting holes at the top of the bracket enable this explosion proof LED light to be attached to any wall, ceiling or floor surface. A simple through bolt can be used to secure the light to the surface. A single junction box at one end of the light is provided for the electrical connection.

Suggested Applications: Paint spray booths, Aircraft maintenance, Oil drilling

rigs, Refineries, Solvent and cleaning areas, Gas processing plants, Chemical manufacturing, Waste treatment plants, Gas processing plants.

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy
4. No ballast box. No ballast to replace.
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.
8. Spring loaded sockets on both ends hold lamps firmly for maximum shock and vibration protection.
9. Lighter weight, slimmer, brighter alternative to fluorescent configurations.

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.
15. California Title 24 Compliant

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Frequently Asked Questions (FAQ)

EPL-EMG-24-4L-LED
Product ID: 70374

Warranty: 60 Months

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

Options:
EPL-EMG-24-4L-LED-Color Temp
Example: EPL-EMG-24-4L-LED-5600K

Color Temp	
5600K	-5600K
4100K	-4100K

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **MSDS (Material Safety Data Sheet**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**