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EPL-EMG-24-2L-LED-113

Explosion Proof Emergency LED Light - C1D1 C2D1 - Powers On ONLY During Power Outages

Product ID: 64164

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-24-2L-LED-113 Emergency ONLY LED Light

NRTL Listed for United States & Canada

Dimensions: W-11.25" L-27.5" H-8.5 "

Weight: 32 Lbs

Total Watts: 30 watts

Voltage: Universal 120/277V 50/60Hz

Low Voltage (Optional): 12-24V DC

LED Lamp Life Expectancy: 50,000+ Hours

Efficiency: 90 Lumens per Watt

Operating Temp Range: T6 rated -30 C to 70 C

Beam Angle: 150 degrees

Color Temp: 5300K

Mounting: Bracket Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

Ratings

Class 1 Division 1, Groups C and D

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

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

NRTL Certified to UL 844, 924

NRTL Certified to UL 1598 Marine Type

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-EMG-24-2L-LED-113 Explosion Proof Emergency ONLY LED Light Fixture is NRTL Listed for United States and Canada Class 1 Division 1/2, Class II Division 1/2, has a T6 temperature rating and is a superior lighting solution for areas where flammable chemical/petrochemical vapors or pulverized dust exist or have the potential to exist. This emergency only fixture

powers both lamps on when power is lost, and shuts both lamps off when power is restored.

Click here for dimensional drawings for this explosion proof light.

This 2 foot long, 2 LED tube, explosion proof emergency ONLY light fixture is ideal for use in hazardous locations requiring powerful yet compact emergency lighting that will provide effective illumination in the event of power failure. This emergency light is designed to power both lamps on only when power is abnormally cut off. It does not operate as a standard area light and is intended for emergency lighting applications.

The EPL-EMG-24-2L-LED-113 is equipped with specially designed LED T-series bulbs which produce 15% more illumination at 8 feet distance as compared to standard T8 lamps when measured with an Extech light meter. Our 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 2 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 T17 LED tube design bulbs included with this unit are rated at 50,000+ hours of service life, which is nearly twice as long as standard T8 bulbs.

With an integrated emergency ballast, this explosion proof LED light will operate for 90 minutes once the main electrical power to the light is severed. Once standard electrical power is restored, the emergency battery pack will be recharged. This fixture includes a test button in order to check operating accuracy under normal conditions.

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



Click Photo to Enlarge



Click Photo to Enlarge

The solid state design of the LED lamps give this fixture superior resistance to damage from vibrations and extremes in temperature as well as a lamp service life over twice that of standard T5 bulbs. The 15 watt LED lamps produce more illumination than standard T8 bulbs. The LED bulbs used in this fixture are our new second generation LED T series 15 watt T17 style lamps which produce 15% more light than standard T8 bulbs when measured from eight feet. 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-24-2L-LED LED light fixture is NRTL Listed for United States and Canada for use in paint spray booths.

Additional mounting options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown above. 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).

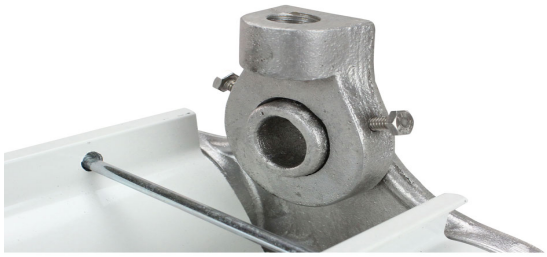
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SURFACE MOUNT (STANDARD)

Click Photo to Enlarge



PENDANT MOUNT (OPTIONAL)

Click Photo to Enlarge

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 of 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 pictures shown above illustrate the side brackets. The third picture enlarged below also shows the brackets at the both ends of the light.
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 dielectrically 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.
15. California Title 24 Compliant.

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Frequently Asked Questions (FAQ)

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EPL-EMG-24-2L-LED-113
Product ID: 64164

Warranty: 60 Months

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

Options:
EPL-EMG-24-2L-LED-113-Mount-Voltage
Example: EPL-EMG-24-2L-LED-113-SFC-120277

Mount	
SURFACE	-SFC
PENDANT	-PND

Voltage	
120-277VAC	-120277
12VDC	-12VDC
24VDC	-24VDC

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- CE Certificate
- Dimensional Drawing 2D
- IES (Photometric File)
- MSDS (Material Safety Data Sheet
- Operations Manual
- Photometric Flood Report
- Photometric Indoor Report
- Photometric Polar Graph
- Photometric Road Report
- Solidworks EASM File
- SpecSheetSpanish
- Spectrum Curve (Wavelength Graph)
- STEP File (3D CAD Model)
- TM21
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map