Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

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Email: sales@LarsonElectronics.com
Fax: 903.765.7664

RNT-EPL-48-2L-LED-LV

RENTAL 12/24 Volt Explosion Proof LED light - Class 1 Div 1 & Class 2 Div 1 - Paint Spray Booth

Product ID: 47144

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: RNT-EPL-48-2L-LED-LV

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.

RNT-EPL-48-2L-LED-LV Explosion Proof

UL Listing: United States - Canada
Dimensions: W-11.25" L-52" H-8.5 "
Weight: 45 Lbs
Total Watts: 48 watts
Voltage: 12/24 volts DC
LED Lamp Life Expectancy: 50,000+ Hours
Efficiency: 90 Lumens per Watt
Ambient Operating Temp Range:-30 C to 85 C
Operating Temp Rating: T6 Rated
Minimum Operating Temp: -30 C
Maximum Case Temp: 90 C
Beam Angle: 150 degrees
Color Temp: 5300K- CRI-75
Mounting: Bracket Standard - Pendant Optional
Wiring Hub: 1/2 inch threaded
Rental Type: Monthly, Weekly, Daily
U.L Approval: U.S Certificate Canada Certificate

U.L. Ratings

Class 1 Division 1, Groups C and D
Class 1 Division 2, Group A,B,C,D
UL 595 Marine Type (Saltwater)
UL 844, 924
UL 1598 Marine Type
Class II, Division 1 - 2, Groups E,F,G
UL Certified Canadian Standards
UL listed for Paint Spray Booths
California Title 24 Compliant

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Rentals: In an effort to cut back on contracts and various other paper work, Larson

Electronics processes rentals like purchases until the product is returned. (Rent to Own Rates) This means, we will charge the customer for the product total and credit back the difference once the fixture is returned. Weekly and Monthly terms are available. Customer must pay shipping to and from the destination. Please contact us at (903) 498-3363 for further information if required.

Rental Prices for the RNT-EPL-48-2L-LED-LV;Monthly...$160.00 USD
Weekly...$100.00 USD
Subtract rental cost from total cost for the amount that will be credited back to customer upon return of product. Customer can choose to convert their rental to a purchase at any time during the rental period. When returned, deductions will also be made for shipping, repairs, and excessive cleaning, if needed.

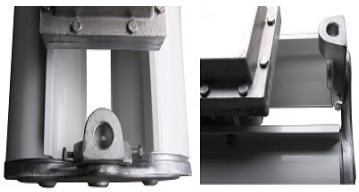
Made in the USA

The Larson Electronics RNT-EPL-48-2L-LED-LV 12 / 24 Volt Explosion Proof LED Light Fixture is U.S./Canada UL Listed Class 1 Division 1, Class II Division I, and is UL 844 certified for use within oil rigs, paint spray booths and other hazardous location areas. This unit has a T6 temperature rating and carries a paint spray booth certification.

The RNT-EPL-48-2L-LED-LV is designed to use Larson Electronics specially constructed 12/24 volt LED T-series bulbs which produce 15% more foot candles of illumination at 8 feet as compared to standard T8 lamps and is UL 844 certified Class 1 Division 1 and Class II Division 1. This low voltage fixture can operate on 12 or 24 volts AC or DC. This makes it useful in remote applications where battery banks are used or where OSHA or internal safety standards mandate low voltage lighting. Our LED-T series bulbs are visibly brighter than standard T8s and consistently surprise many of our customers with their unexpectedly high light output levels.

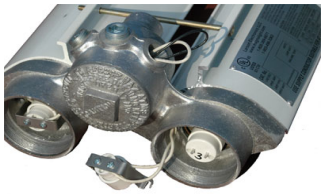
We have replaced two 8 foot dual lamp T8 fixtures in our own facility with our LED T series lamps and produced more illumination in the work area with only one 2 lamp 4 foot long LED fixture. We now offer our second generation LED tube lamps with this fixture which have increased this unit's performance.





Pendant Mount

Click Photo to Enlarge



Click Photo to Enlarge

We have eliminated the ballast box normally associated with fluorescent fixtures which reduces overall weight, creates a slimmer unit profile, and helps this fixture maintain a T-6 temperature rating. There is no ballast in this unit and the included 12/24 volt LED T-series 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 vibrations and extremes in temperature as well as a lamp service life over twice that of standard T8 bulbs.

The 24 watt LED lamps produce more illumination than standard T8 bulbs, but draw only 3/4 of current. An EPL-48-2L-T8 explosion proof fluorescent light, with a combined total of 64 watts, draws 0.54 amps @120 volts. This LED version of the same light, with a total of 48 watts, draws only 0.4 amps. The EPL-48-2L-LED-LV is multi-voltage and works with any voltage between 9-32V DC, making it ideal for 12 and 24 volt DC applications. We also offer this lamp in a 120-277 standard voltage model.

Our RNT-EPL-48-2L-LED-LV light fixture is U.S. and Canada U.L. approved 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 with CHICO is necessary for flex conduit or other non-rigid pipe implementations.

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).

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 first picture shown above illustrates the ballast side bracket and also shows the access caps for changing the bulbs. The second picture shows the bracket at the opposite end of the light.

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.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. May qualify 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.

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.
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)

There are no Faqs



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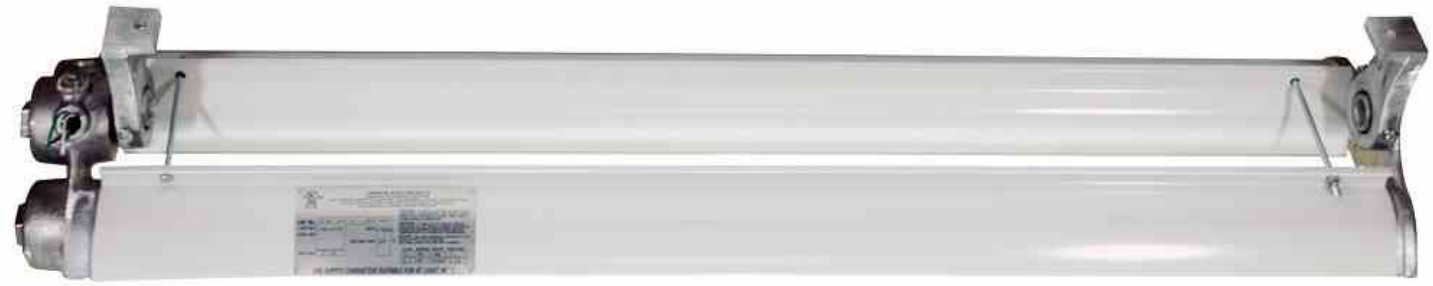


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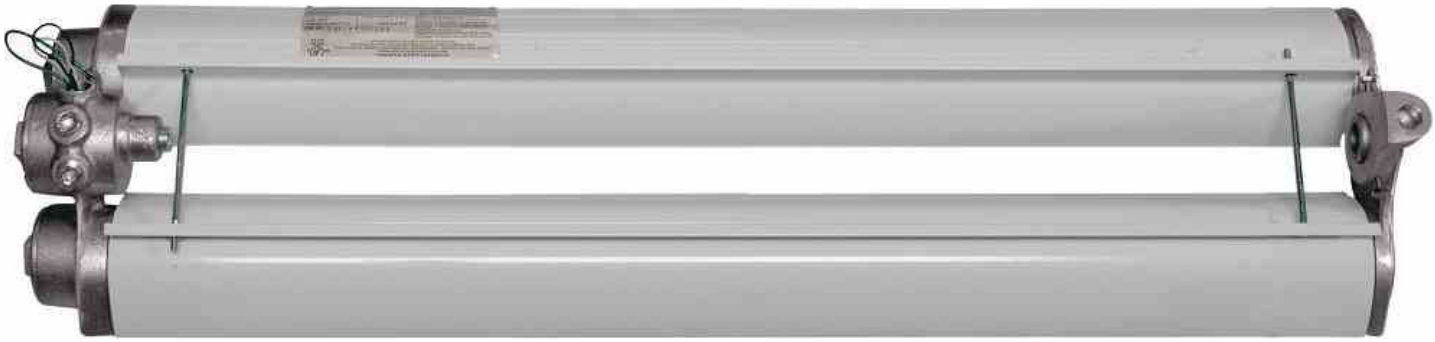


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RNT-EPL-48-2L-LED-LV

Product ID: 47144

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

Options:

RNT-EPL-48-2L-LED-LV-Rental Length-Mount
Example: RNT-EPL-48-2L-LED-LV-MR-SFC

Rental Length	
MONTHLY	-MR
WEEKLY	-WR
DAILY	-DR

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/47144.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/47144.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/47144.PDF)
- **Solidworks EASM File**(https://www.larsonelectronics.com/images/product/Easm/47144.ZIP)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/47144.ZIP)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/47144.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/47144.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/47144.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/47144.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/47144.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/47144.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/47144.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/47144.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/47144.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/47144.JPG)
- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/47144.JPG)
- **Video1**(https://www.youtube.com/watch?v=ZseBiwS7iMI)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)