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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

EPL-48-2L-LED-G2-50C

Explosion Proof LED Paint Spray Booth Light w/ 50' Cord - 2nd Gen - Class 1 Div 1 - Class 2 Div 1

Product ID: 70079

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



Image: EPL-48-2L-LED-G2-50C

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-48-2L-LED-G2-50C Explosion Proof

NRTL Listed for United States & Canada
Dimensions: W-11.25" L-52" H-8.5 "
Weight: 45 Lbs
Total Watts: 56 watts
Total Lumens: 5500
Voltage: Universal 120-277VAC 50/60 hz or 12-24V
LED Lamp Life Expectancy: 50,000+ Hours
Efficiency: 98.21 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: 5600K
Color Rendering Index: 80
Mounting: Surface Standard - Pendant Optional
Wiring: 50ft Cord - EXP Plug

Ratings

Class 1 Division 1, Groups C and D T6
Class 1 Division 2, Group A,B,C,D
NRTL Certified to UL 595 Marine Type (Saltwater)
NRTL Certified to UL 844, 924
NRTL Certified to UL 1598 Marine Type
Class 2, Division 1 - 2, Groups E,F,G
Certified Canadian Standards
Listed for Paint Spray Booths
California Title 24 Compliant

Special Orders - Special Requirements

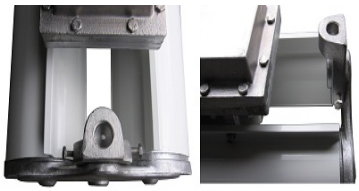
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-48-2L-LED-G2-50C Explosion Proof LED Light Fixture 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.

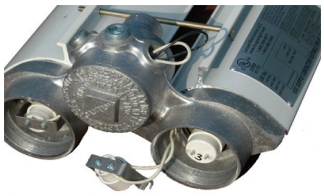
The EPL-48-2L-LED-G2-50C is equipped with specially designed LED T-series bulbs which produce 30% more foot candles of illumination at 8 feet as compared to standard T8 lamps when measured with an Extech light meter. Our LED-T series bulbs are visibly brighter than standard T8s and have consistently 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 have increased this hazardous location light'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 and creates a slimmer unit profile. There is no ballast in this unit and the included 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. This LED version, with a total of 56 watts, draws only 0.5 amp. The EPL-48-2L-LED-G2-50C 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.

Energy Consumption Comparison

	T5HO	T8	LED

Wattage	108 watts	64 watts	56 watts
Amp Draw @ 120V AC	0.9 amps	0.54 amps	0.47 amps
Amp Draw @ 277V AC	0.39 amps	0.24 amps	0.20 amps
Amp Draw @ 12V DC	9 amps	5.34 amps	4.67 amps
Amp Draw @ 24V DC	4.5 amps	2.67 amps	2.34 amps
Lamp Life Expectancy	20,000 hours	24,000 hours	50,000 hours
Color Temperature	5000K / 4100K	4100K	5300K
Operation cost per year (8hs/day @ 11c/kWh)	$34.69	$20.56	$17.99

Our EPL-48-2L-LED-G2-50C LED light fixture is NRTL Listed for United States and Canada approved for use in paint spray booths. This unit is equipped with 50 foot SOOW cord terminated in a 15 amp explosion proof 5-15 plug.

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 below 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 fixture.

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

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.

provide lamp protection

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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EPL-48-2L-LED-G2-50C

Product ID: 70079

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

Options:

EPL-48-2L-LED-G2-50C-Voltage-Mount
Example: EPL-48-2L-LED-G2-50C-110277-SFC

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

Mount	
SURFACE	-SFC
PENDANT	-PND

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Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/70079.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/70079.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/70079.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/70079.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/70079.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/70079.ZIP)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/70079.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/70079.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/70079.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/70079.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/70079.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/70079.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/70079.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/70079.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/70079.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)