Larson Electronics LLC
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EPL-48-2L-LED-G2-10C

Explosion Proof LED Paint Spray Booth Light - 2nd Gen - C1D1 - 10 Foot SOOW Cable

Product ID: 104983

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



Image: EPL-48-2L-LED-G2-10C

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-G2-10C Explosion Proof
NRTL Listed for United States & Canada
Dimensions: W-11.25" x L-52" x H-8.5 "
Weight: 45 Lbs
Total Watts: 56 watts
Total Lumens: 7,000
Voltage: Universal 120-277VAC 50/60 Hz or 12-24V AC/DC
LED Lamp Life Expectancy: 50,000+ Hours
Luminous Efficiency: 125 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°
Color Temp: 5600K or 4100K
Mounting: Surface Standard - Pendant Optional
Wiring: EYM w/ 10` 16/3 SOOW Cable

Ratings/Approvals
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
Class2, Division 1 - 2, Groups E,F,G
UL Certified Canadian Standards
UL listed for Paint Spray Booths
California Title 24 Compliant
IP67 Rated - Waterproof
NEMA 4X

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-48-2L-LED-G2-10C Explosion Proof LED Light Fixture is NRTL Listed to 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 carries a paint spray booth light certification as well, making it ideal for applications such as paint booths, oil rigs, offshore applications, petrochemical, manufacturing, chemical storage, water treatment centers, and food processing plants.

This four foot, two lamp LED 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-48-2L-LED-G2-10C is equipped with Larson Electronics' specially designed LED T-series bulbs which produce 7,000 lumens, resulting in 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 T8`s 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.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



SURFACE MOUNT (STANDARD)



SURFACE PENDANT



PENDANT MOUNT (OPTIONAL)

We now offer our second generation LED tube lamps with this fixture which have increased this hazardous location light's performance. This two lamp explosion proof LED linear fixture is lighter in weight, has a slimmer profile, and produces more light than traditional explosion proof fluorescent fixtures. The four foot long LED tube design bulbs included with this unit are rated at 50,000 hours of service life, which is over twice as long as standard 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 here to read the NEC description for explosion proof and hazardous locations.

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 fluorescent bulbs.

The 28 watt LED lamps produce 30% more illumination than standard T8 bulbs while offering lower amp draw and increased reliability. Each lamp produces 3,500 lumens at 125 lumens per watt, for a combined 7,000 total lumen light output. An EPL-48-2L-T8 explosion proof fluorescent light, with a combined total of 64 watts, draws 0.54 amps at 120 volts AC. This LED version of the same light, with a total of 56 watts, draws only 0.47 amps at 120 volts AC. The EPL-48-2L-LED-G2-10C is universal voltage, not multi-tap, and operates on any voltage from 120V to 277V AC 50/60hz without any modifications. We also make a 12/24V AC/DC version for low voltage applications for AC or DC power.

Energy Consumption Comparison

	T5HO	T8	LED
Wattage	108 watts	64 watts	56 watts
Amp Draw @ 120V AC	0.90 amps	0.54 amps	0.47 amps
Amp Draw @ 220V AC	0.49 amps	0.29 amps	0.25 amps
Amp Draw @ 240V AC	0.45 amps	0.27 amps	0.23 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	5600K
Operation cost per year (12hs/day @ 12c/kWh)	$56.77	$33.64	$29.43

Our EPL-48-2L-LED-G2-10C LED light fixture is NRTL Listed for United States and Canada for use in paint spray booths. This fixture is equipped with a seal off and 10` of 16/3 SOOW cable with blunt cut end.

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). Additional mounting configurations can be customized to meet the requirements on the application. Please contact us for special mounting configurations.

Adjustable Surface Mount Brackets: 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.

Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture features a 1/2” NPT junction box on one end, and a 1/2” NPT adjustable L-bracket on the other end of the fixture. Operators bring rigid pipe down to the threaded mounting hubs. The adjustable L-shape mounting bracket provides support for the opposite end of the fixture.

Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, chemical manufacturing, waste treatment plants, gas processing plants.

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 re-lamping 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)

There are no Faqs



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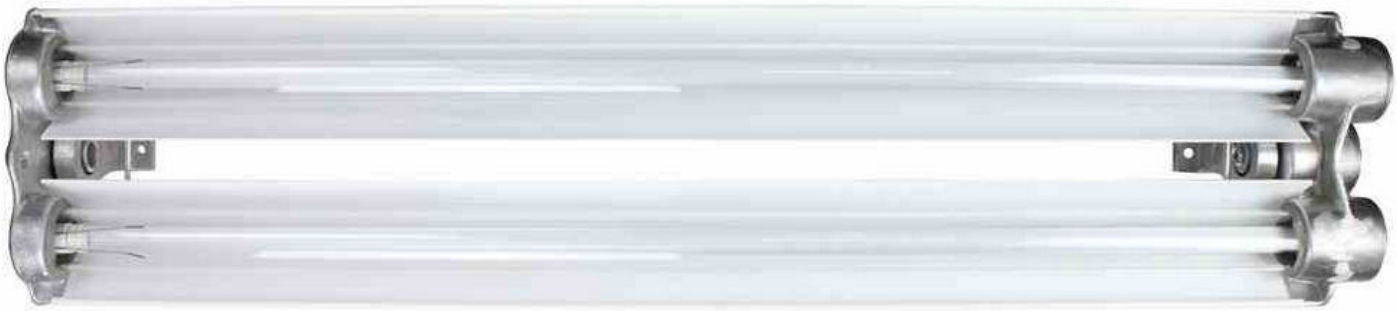


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EPL-48-2L-LED-G2-10C

Product ID: 104983

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

Options:

EPL-48-2L-LED-G2-10C-Mount-Voltage
Example: EPL-48-2L-LED-G2-10C-SFC-110277

Mount	
SURFACE	-SFC
PENDANT	-PND

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

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/104983.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/104983.PDF)
- **IEC Ex Certificate (International Explosion Proof)**(https://www.larsonelectronics.com/images/product/IECExCert/104983.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/104983.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/104983.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/104983.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/104983.ZIP)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/104983.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/104983.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/104983.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/104983.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/104983.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/104983.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/104983.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/104983.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/104983.JPG)
- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/104983.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)