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## EPL-48-2L-LED-G2-6C

# Explosion Proof LED Paint Spray Booth Light - 2nd Gen - C1D1 - 6 Foot SOOW Cable - Strain Relief

**Product ID: 71185**

**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-48-2L-LED-G2-6C 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:** 7,000
**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

**Mounting:** Surface Standard - Pendant Optional

**Wiring:** 6` SOOW w/ Strain Relief

**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

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**Made in the USA**
**The Larson Electronics EPL-48-2L-LED-G2-6C Explosion Proof LED Light**

**Fixture is NRTL Listed for United States and Canada and rated 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-G2-6C 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.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



SURFACE MOUNT (STANDARD)



SURFACE PENDANT



PENDANT MOUNT (OPTIONAL)

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 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-G2-6C LED light fixture is NRTL Listed for United States and Canada 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 and seal off is necessary for flex conduit or other non-rigid pipe implementations.

**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 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)






CAUTION



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**EPL-48-2L-LED-G2-6C**

**Product ID: 71185**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**EPL-48-2L-LED-G2-6C-Color-Size**

**Example: EPL-48-2L-LED-G2-6C-SFC-110277**

| Color | |
|---|---|
| SURFACE | -SFC |
| PENDANT | -PND |

| Size | |
|---|---|
| 110-277VAC | -110277 |
| 9-32VDC | -932 |

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- Operations Manual
- SpecSheetSpanish
- STEP File (3D CAD Model)
- 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