Larson Electronics LLC
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EPLCD-48-2L-LED

Explosion Proof Paint Spray Booth LED Light on Dolly Cart with Wheels - 4 Foot 2 Lamp

Product ID: 48224

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



Image: EPLCD-48-2L-LED

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.

EPLCD-48-2L-LED Explosion Proof LED Cart Light

Listing: United States - Canada
Lamp Type: T8 Style LED Tubes
Dimensions: 11.25"-W x 52 "-L x 8.5"-H
Voltage: Universal 100-277 V AC, 50/60 Hz or 11-25 V AC/DC
Weight: 65 lbs
Total Watts: 56 Watts
Lumens: 7,000
Luminous Efficiency: 120 Lumens per Watt
LED Lamp Life Expectancy: 50,000+ Hours
Color Temperature: 5600K or 4100K
Color Rendering Index: >80
Beam Angle: 150°
Ambient Temp Range: -40°C to +85°C
Minimum Operating Temp: -30°C
Maximum Case Temp: +90°C
Materials: Aluminum Cart, Aluminum Housing, Pyrex Tubes
Mounting: Dolly Cart w/ Polyurethane Casters
Wiring: 50' 16/3 SOOW Cable w/ EXP Cord Cap
Cord Cap: 5-15 Straight, 5-20 Twist, or 6-20 Twist EXP Plug

Ratings/Approvals

Class I Division 1, Groups C and D
Class I Division 2, Group A,B,C,D
Class II, Divisions 1 & 2, Groups E,F,G
NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
NRTL Certified to UL 844
NRTL Certified to UL 1598 Marine Type
NRTL Certified to US/Canadian Standards
Listed for Paint Spray Booths
50,000+ Hour LED Life Span
High Output T8 Style LED Tube Lamps

Special Orders - Special Requirements

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

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Made in the USA

The EPLCD-48-2L-LED from Larson Electronics is an Explosion Proof Paint Spray Booth Light on Dolly Cart that is approved for use in Class I Division 1 and Class II Division 1 hazardous areas, is T6 rated, and that offers a versatile lighting solution for applications requiring exceptional work area lighting coverage.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS LIGHT CART

The EPLCD-48-2L-LED dolly cart mounted explosion proof LED light is Class I Division 1 and Class II Divisions 1 & 2 rated and offers operators the ability to quickly and easily add a full power light wherever it is needed. This unit incorporates our four foot, two lamp explosion proof fixture equipped with two 28 watt second generation LED T-series tube lights into a mobile dolly cart style platform. Each 28 watt lamp produces 3,500 lumens for a combined 7,000 lumen total light output. This configuration allows operators to wheel this light fixture into position next to the target or lay it flat to provide illumination beneath the target.

This T6 rated explosion proof LED light and dolly cart assembly offers an excellent lighting solution for operators who need illumination in unusual areas where traditional fixed mount lighting is obstructed or cannot effectively reach. The high output LED lamps provide quality lighting while the solid state design of LEDs provide a stable and durable light source, providing increased reliability and up time without the worries of traditional lighting.



Click Photo to Enlarge



The EPLCD-48-2L-LED with polycarbonate paint spray cover protects the lamps from over spray during operation.

Click Photo to Enlarge



Click Photo to Enlarge

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat

emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

There is no ballast in this unit and the included LED T-series lamps have a 50,000+ hour service life, both of which result in extreme efficiency, cooler operation, 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 lamps are protected by heat and impact resistant Pyrex tubes and an additional polycarbonate lens which provides added protection from impacts and over-spray. The light fixture is constructed of copper free aluminum alloy and is shipped with a 50` SOOW cord and explosion proof plug. The lamp reflectors are corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof cart mounted lighting system is equipped with 50' of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets.

The 28 watt LED lamps produce 30% more illumination than standard T8 bulbs. This unit is universal voltage (not multi-tap) and operates on a range from 100-277 volts AC, 50/60 Hz. We also make a 11-25V version for low voltage applications that operates on both AC and DC voltages without modification.

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.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your

specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Product ID: 48224

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

Options:

EPLCD-48-2L-LED-Voltage-Color Temp-Cord Cap
Example: EPLCD-48-2L-LED-1227-5600K-1523

Voltage	
120-277VAC	-1227
1224VDC	-1224

Color Temp	
5600K	-5600K
4100K	-4100K

Cord Cap	
5-15	-1523
5-20	-2023.125V
6-20	-2023.250V

Links (Click on the below items to view):

- **IES (Photometric File)**(https://www.larsonelectronics.com/images/product/ies/48224.ZIP)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/48224.PDF)
- **SpecSheetArabic**(https://www.larsonelectronics.com/images/product/SpecSheetArabic/48224.PDF)
- **SpecSheetFrench**(https://www.larsonelectronics.com/images/product/SpecSheetFrench/48224.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/48224.PDF)
- **Spectrum Curve (Wavelength Graph)**(https://www.larsonelectronics.com/images/product/SpectrumChart/48224.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/48224.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/48224.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/48224.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/48224.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/48224.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/48224.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/48224.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/48224.JPG)
- **Video1**(http://www.youtube.com/watch?v=YChU7XKwX7I)
- **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)