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EPLCD-48-2L-LED-G2

Explosion Proof Paint Spray Booth LED Light on Dolly Cart with Wheels - 2nd Gen - 4 foot 2 lamp

Product ID: 64390

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.

EPLCD-48-2L-LED-G2 Explosion Proof LED Cart Light
Listing: United States - Canada
Lamp Type: T8 Style LED Tubes
Dimensions: W-11.25" L-52 " H-8.5"
Voltage: Universal 100-277V AC 50/60Hz or 11-25V AC/DC
Weight: 65 lbs.
Total Watts: 56 watts
Lumens: 6,720
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 1 Division 1, Groups C and D
Class 1 Division 2, Group A,B,C,D
Class II, Division 1 & 2, Groups E,F,G
UL 595 Outdoor Marine Type (Saltwater)
UL 844
UL 1598 Marine Type
Certified 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

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Made in the USA

The Larson Electronics EPLCD-48-2L-LED-G2 Explosion Proof Paint Spray

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Booth Light on Dolly Cart is U.S./Canada UL Listed Class 1 Division 1, Class II Division 1, T6 rated, and 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-G2 dolly cart mounted explosion proof LED light is UL listed Class 1 Division 1 and Class II Division 1 & 2 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 3,360 lumens for a combined 6,720 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-G2 with polycarbonate paint spray cover protects the lamps from over spray during operation.

Click Photo to Enlarge



Click Photo to Enlarge

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

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

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5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

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 50/60 Hz AC. 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.

Made in USA Quality

1. Each unit dialectically 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. Extreme long life
2. High efficiency and low amp draw
3. High durability and reliability
4. Small size and light weight
5. 100% recyclable
6. No toxins-lead, mercury
7. High light output
8. Consistent color over time
9. High Versatility
10. No fragile glass used in construction
12. Vibration/impact resistant

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Frequently Asked Questions (FAQ)



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EPLCD-48-2L-LED-G2

Product ID: 64390

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLCD-48-2L-LED-G2-Voltage-Cord Cap-Color Temp

Example: EPLCD-48-2L-LED-G2-120277-1523-5600K

Voltage	
120-277V AC	-120277
11-25V AC/DC	-1224VDC

Cord Cap	
5-15P	-1523
5-20P	-2023-125V
6-20P	-2023-250v

Color Temp	
5600K	-5600K
4500K	-4500K

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**