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EPLC-48-4L

Explosion Proof Fluorescent Lights - 4 foot - 4 Lamp - for Paint Booths on Cart with Wheels

Product ID: 1859

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.

EPLC-48-4L Explosion Proof

UL Listing: United States - Canada

Dimensions: W-24" L-58" H-25.5"

Total Unit Weight: 180 Lbs

Total Watts: 212 watts*

Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz:

Total Lumens: STD-T5-HO Bulbs 20,000

Lamp Life Expectancy: STD-T5-HO Bulbs 20,000 Hours

Efficiency: STD-T5-HO Bulbs 92 Lumens per Watt

Operating Temp Range: T6 Rated* -30 C to 70C

Minimum Operating Temp: -30 C

Maximum Case Temp: 90 C

Beam Angle: N/A

Color Temp: 5000K- T5-HO Bulbs

Mounting: Portable Cart with Adjustable Brackets

Wiring Hub: N/A

U.L Approval: U.S Certificate Canada Certificate

View a Photometric Graph of the EPL-48-4L Bulb Types

***Substitution of included standard bulbs for optional lamps may affect paint spray booth approval.**
***Wattage totals are lamps only and may vary with different lamps.**

U.L. Ratings

Class 1 Division 1, Groups C and D

Class 1 Division 2, Group A,B,C,D

UL 595 Outdoor Marine Type (Saltwater)

UL 844, 924

UL 1598 Marine Type

Class II Division 1- 2, Groups E,F,G

UL Certified Canadian Standards

UL listed for Paint Spray Booths*

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

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

The Larson Electronics EPLC-48-4L Explosion Proof Fluorescent Light Cart is U.S./Canada UL Listed Class 1 Division 1, Class II Division 1 and offers exceptional lighting versatility and convenience with effective protection to operators working in hazardous locations.

The EPLC-48-4L explosion proof light cart is UL listed Class 1 Division 1 and Class II Division 1&2 and offers the ability to quickly and easily add light wherever it is needed without the need for special considerations of hazardous conditions beyond adhering to the normal rules of ratings and classifications. This unit incorporates the highly effective Larson Electronics EPL-48-4L explosion proof fixture equipped with four T5-HO fluorescent lamps into a mobile platform. The platform is constructed of corrosion resistant aluminum alloy, has non sparking casters, and includes a Class I Div I Explosion Proof Switch with 50 foot of SOOW electric cable as well.

This explosion proof light cart offers an excellent lighting solution for operators who need full power illumination in areas where traditional fixed mount lighting is obstructed or cannot effectively reach.

This light is also available with LED bulbs instead of fluorescent bulbs. Click here to view.

Click Photos to Enlarge Click Photos to Enlarge Click Photos to Enlarge

The light fixture used in the EPLC-48-4L is T6 rated and produces 20,000 lumens of light using four, T5-HO fluorescent bulbs. The lamps are protected by heat and impact resistant Pyrex tubes and the fixture is constructed of copper free aluminum alloy. The lamp reflectors are corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. This fixture is multi-voltage capable and the entire cart and fixture unit is UL Listed for use in paint spray booths. The cart allows the entire fixture to be adjusted through a wide degree of rotation to position the lights as needed. The standard lamps included with this cart are F54-T5/850/HO; F32-T8 lamps are available upon request.

The light fixture used in this cart is compatible with the usual options associated with the EPL-48-4L fixture including optional LED tube lamps and higher power fluorescent tubes. For special requirements or options not listed here contact us using the information below..

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.

Click here to see the Photometric report of the Larson Electronics EPLC-48-4L light fixture fitted with T5HO high output lamps.

Click here to see the Photometric report of the Larson Electronics EPLC-48-4L light fixture fitted with T8 lamps.

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets allow the light fixture to be rotated while on the cart through a wide degree of positions for optimal light placement.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Over-sized, finned ballast housing for 800 mA fixtures provides more heat dissipation and extends ballast life.

Lamp Options - Cart Features

F54-T5/850/HO – 54 watt, 5000 lumens per bulb, 20,000 hours life, 5000 Kelvin color (Suffix –T5)
F32-T8/841: (Optional) – 32 watt, 2950 lumens per bulb, 24,000 hours life, 4100 Kelvin color (Suffix –T8)

Other Lamps/Options: This unit uses our popular EPL explosion proof fixture which is compatible with several optional lamps and explosion proof accessories. Please see our related products

Larger ballast box accommodates High Output lamp ballasts. Ballast housing easily accessible and externally mounted. Top and bottom covers secured with nuts and bolts, instead of threaded through holes, which can be damaged with dirt.
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 other 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.
8. Spring loaded sockets on both ends hold lamps firmly for maximum shock and vibration protection.

categories below for more information. Larson Electronics can customize equipment according to needs. Please contact us for special requirements.

Cart Features:
5” non sparking casters
Frame constructed of corrosion resistant aluminum
Adjustable fixture brackets
50 foot of SOOW electric cable
Class I, Div. I Explosion Proof Switch

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Frequently Asked Questions (FAQ)









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EPLC-48-4L

Product ID: 1859

Export Control Classification Number (ECCN): EAR99

Options:

EPLC-48-4L-Lamps

Example: EPLC-48-4L-41KT5HO

Lamps	
41OOK-T5HO	-41KT5HO
5000K-T5HO	-50KT5HO
T8	-T8
T12HO	-T12HO

Links (Click on the below items to view):

- **IES (Photometric File)**
- **SpecSheetArabic**
- **SpecSheetFrench**
- **SpecSheetSpanish**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**