Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPLUC-48-4L

Explosion Proof Fluorescent Lights for Paint Booths on Aluminum Upright Cart with Wheels

Product ID: 50428

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.

EPLUC-48-4L Explosion Proof

UL Listing: United States - Canada

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

Total Unit Weight: 180 Lbs

Total Watts: 216 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

Color Temp: 5000K- T5-HO Bulbs

Color Temp: 5000K- T5-HO Bulbs

Mounting: Portable Upright Cart with Adjustable Brackets

U.L Approval: U.S Certificate Canada Certificate

***Wattage totals are lamps only and may vary with different lamps.**

***Substitution of included standard bulbs for optional lamps may affect paint spray booth approval.**

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

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPLUC-48-4L Upright 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. Solid rubber tires, uni-directional caster wheels, and a fold down handle gives this light excellent mobility and versatility and makes it an ideal choice for operators who need an effective and safe lighting solution that can be easily applied over a wide variety of applications.

The EPLUC-48-4L aluminum upright explosion proof cart is UL listed Class 1 Division 1 and Class 2 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 a pair of our highly effective Larson Electronics EPL-48-2L explosion proof fixtures equipped with four T5-HO fluorescent lamps into a mobile cart platform equipped with wheels. The platform is constructed of corrosion resistant aluminum alloy, has non sparking casters, and includes a Class 1 Div 1 explosion proof switch with 50 foot of SOOW electric cable and explosion proof plug as well.
This light is available in LED configuration. Click here to view.



Click to Enlarge | Click to Enlarge | Click to Enlarge



Click to Enlarge | Click to Enlarge | Click to Enlarge

This upright explosion proof aluminum 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. The cart is highly versatile and gives the operator the ability to easily move the entire assembly around the work space simply by leaning the cart back and rolling it into position. Also included is a fold down handle and uni-directional caster wheels that allows operators to lay the unit flat and wheel it into hard to reach areas such as underneath vehicles in paint spray booths.
The light fixtures used in the EPLUC-48-4L are T6 temperature rated and paint booth certified, and produce a combined total 19,080 lumens of light using four T5-HO fluorescent bulbs. The lamps are protected by heat and impact resistant Pyrex tubes and heavy wire grates, and the fixtures are constructed of copper free aluminum alloy. The lamp reflectors are corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. Included with this cart is 50 feet of chemical and abrasion resistant cord, exlosion proof plug, and an explosion proof inline switch which allows operators to safely control light

operation within the hazardous area without the need for inconvenient plugging and unplugging of the fixture.
This light cart is multi-voltage capable and can operate with voltages of 120V-60hz 220V-50hz 240V-60hz and 277V-60hz. The entire cart and fixture unit is UL Listed for use in paint spray booths and U.L. 1598 -U.L. 595 compliant for wet area and marine use. The cart allows the entire fixture to be easily wheeled into positionas needed, and can be laid flat for sliding the cart under vehicles or into hard to reach areas. The standard lamps included with this cart are F54-T5/850/HO; F32-T8 lamps are available upon request.

Note: 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, 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 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. 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.

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)
F48-T8/HO - 48 watt, 4000 lumens per bulb, 18,000 hours life, 4100 Kelvin color (Suffix -T8HO)
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 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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EPLUC-48-4L

Product ID: 50428

Export Control Classification Number (ECCN): EAR99

Options:

EPLUC-48-4L-Lamps

Example: EPLUC-48-4L-50kT5HO

Lamps	
5000K-T5HO	-50kT5HO
4100K-T5HO	-41kT5HO
T8	-T8
T12HO	-T12HO

Links (Click on the below items to view):

- MSDS (Material Safety Data Sheet
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map