

Explosion Proof Fluorescent Light Upright Cart with Wheels - 40,000 Lumens - Paint Booth ApprovedPart #: [EPLUC-48-432](#)**Made in the USA**

The Larson Electronics EPLUC-48-432 Upright Explosion Proof Fluorescent Light Cart is U.S./Canada U.L. approved 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-48-432 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 EPL-48-216 explosion proof fixtures equipped with eight 54 watt 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 also available with LED bulbs instead of fluorescent bulbs. [Click here to view.](#)



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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 40,000 lumens of light using eight 54 watt 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, explosion 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 U.L. approved 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 positions as 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; F54-T5/841/HO 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, CRI 85 RHA-UNV-254-LT5 Ballast is THD<10% and HPF .98 (Suffix -50KT5)

F54-T5/841/HO - 50 watt, 4450 lumens per bulb, 20,000 hour life, 4100 Kelvin color, CRI 85 (Suffix -41KT5)

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

Specifications / Additional Information

EPLUC-48-432 Explosion Proof

UL Listing: United States - Canada

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

Total Unit Weight: 190 Lbs

Total Watts: 432 watts

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

Total Lumens: STD-T5-HO Bulbs 40,000

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 OR 4100K T5-HO Bulbs

Mounting: Portable Upright Cart with Adjustable Brackets

U.L Approval: [U.S Certificate](#) [Canada Certificate](#)

Wiring 50 Feet SOOW Cord

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- Requirements

Contact us for special requirements

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

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[Part #: EPLUC-48-432 \(64385\)](#)

Options:

EPLUC-48-432- LAMP

Example: EPLUC-48-432-50KT5HO

LAMP	
54W-5000K T5HO	-50KT5HO
54W-4100K T5HO	-41KT5HO









Links (Click on the below items to view):

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