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EPLC-24-4L-LED

Explosion Proof LED Lights on Cart w/ Wheels-2foot-4 LED lamps-Paint Spray Booth Certified

Product ID: 69050

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-24-4L-LED-HV Explosion Proof
UL Listing: United States - Canada
Dimensions: W-22.50" L-30" H-35"
Total Unit Weight: 115 Lbs
Total Watts: 60 watts
Voltage: 120V-60hz 220V-50hz 240V-60hz 277V-60hz: low voltage available, 12 or 24 volts dc.
Total Lumens: Led-T series Bulbs 7,680
Lamp Life Expectancy: Led-T series Bulbs 50,000+ Hours
Efficiency: Led-T series Bulbs 90 Lumens per Watt
Temp Range: T6 Rated* -30C to 85C
Beam Angle: 150 degrees
Minimum Operating Temp: -30 C
Maximum Case Temp: 90 C
Color Temp: 5300K-
Mounting: Portable Cart with Adjustable Brackets
Wiring: 50ft SOOW cord
U.L Approval: U.S Certificate Canada Certificate

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 Texas
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS LIGHT CART
The Larson Electronics EPLC-24-4L-LED-HV Explosion Proof LED Light Cart is U.S./Canada UL Listed Class 1 Division 1, Class 2 Division 1 and offers

exceptional LED lamp durability, efficiency, 50,000 hour lamp life, and versatile explosion proof protection for operators working in hazardous locations.

The EPLC-24-4L-LED-HV explosion proof light 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. This unit incorporates the highly effective Larson Electronics EPL-24-4L-LED explosion proof fixture equipped with four 15 Watt LED T-Series tube lights into a mobile platform. 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 as well. This T6 temperature rated explosion proof LED light cart offers superior LED benefits in the form of reduced operating and maintenance costs, extreme lamp life, and high resistance to impacts and vibration.

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

Click Photo to Enlarge Click Photo to Enlarge Click Photo to Enlarge

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 which provide added security against impacts and overspray. The light fixture is constructed of copper free aluminum alloy and the entire unit ships with a 50` SOOW cord and explosion proof plug. The lamp reflectors are corrosion resistant heavy gauge aluminum and coated with a high gloss 93% reflective finish. The cart allows the entire fixture to be adjusted through 270 degrees of rotation to position the lights as needed.

These LED-T series 15 watt LED lamps produce more illumination per watt than standard T8 bulbs, but draw only 3/4 of current. A standard EPL-24-4L-T8 explosion proof fluorescent light, with a combined total of 68 watts, draws 0.57 amps @ 120 volts. The LED version of the same light, with a total of 60 watts, draws only 0.5 amps. The EPLC-24-4L-LED-HV is multi-voltage (not multi-tap) and works on the following voltages: 120 Volt 60 HZ, 220 Volt 50 HZ, 240 Volt 60 HZ, 277 Volts 60 HZ. The unit is also offered in low voltage to accommodate those who need voltage on 12 and 24 volts dc. An explosion proof switch comes standard with the EPLC-24-4L-LED-HV, allowing for simple turning on/off while in a hazardous area.

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 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. 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 other models require the “tap and knock off” method to loosen the end cap.
7. Explosion proof, impact and heat resistant Pyrex tubes

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.

Cart Features:

5” non sparking casters
Frame constructed of corrosion resistant aluminum
Adjustable fixture brackets to 270 degrees

provide lamp protection.
8. Spring loaded sockets on both ends hold lamps firmly for maximum shock and vibration protection.

50 foot SOOW electric cable
Class I, Div I Explosion Proof Switch

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Frequently Asked Questions (FAQ)









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EPLC-24-4L-LED

Product ID: 69050

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC-24-4L-LED-Voltage-Color Temp

Example: EPLC-24-4L-LED-LV-5600K

Voltage	
LOW VOLTAGE (VDC)	-LV
HIGH VOLTAGE (VAC)	-HV

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

Links (Click on the below items to view):

- **Operations Manual**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**