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EPL-24-4L-LED

Explosion Proof LED Paint Spray Booth Fixture - Class I, Div. I - 4, 2 Foot LED Bulbs - 5040 Lumen

Product ID: 48227

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.

EPL-24-4L-LED Explosion Proof
NRTL Listed for United States & Canada
Dimensions: W-22.50" L-27" H-8.5 "
Weight: 57 Lbs

Total Watts: 60 watts

Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz
Low Voltage (Optional): 12-24V DC
LED Lamp Life Expectancy: 50,000+ Hours
Efficiency: 90 Lumens per Watt
Ambient Operating Temp Range: -30 C to 85 C
Beam Angle: 150 degrees
Color Temp: 5300K-
Mounting: Unistrut
Wiring Hub: 1/2 inch threaded
Operating Temp Rating: T6 Rated

Ratings
Class 1 Division 1, Groups C and D
Class 1 Division 2, Groups A,B,C,D
Class II, Division 1&2, Groups E,F,G
NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
NRTL Certified to UL 1598 Marine Type
Certified to Canadian Standards
Listed Paint Spray Booth Use
NRTL Certified to UL 844 924

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

The Larson Electronics EPL-24-4L-LED is NRTL Listed for United States and Canada Class 1 Division 1 - Class II Division 1 and 2, has a T6 temperature rating and is an ideal lighting solution for areas where flammable petrochemical vapors and/or pulverized dust exist or have the

potential to exist.

******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******

This 2 foot long 4 LED tube fixture is ideal for operators seeking a top quality explosion proof light that will reduce operating costs, improve lighting quality and reduce downtime incurred from frequent servicing intervals.

The EPL-24-4L-LED is equipped with Larson Electronics specially designed LED T-series bulbs which produce nearly 15% more light than standard T8 bulbs. Our new LED-T series bulbs are visibly brighter than standard T8s and have consistently surprised many of our customers with their unexpectedly high light output levels. This 4 LED bulb explosion proof fixture is lighter in weight, has a slimmer profile, and produces more light than traditional explosion proof fluorescent fixtures. The 2 foot long LED tube design bulbs included with this unit are rated at 50,000 hours of service life, which is twice as long as T8 bulbs.

This fixture carries a T6 temperature rating and is Class 1 Division 1, Groups C and D, Class 1 Division 2, Group A,B,C and D, and Class II, Division 1 and 2, Groups E, F and G.

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

We have eliminated the ballast box normally associated with fluorescent fixtures which reduces overall weight, creates a slimmer unit profile, and helps this fixture maintain a T-6 temperature rating. There is no ballast in this unit and the included Larson Electronics LED T-series lamps have a 50,000 hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. Maintenance is further simplified with interchangeable screw on end caps and O ring seals which allows all relamping to be done from one end of the fixture. The LED bulbs used in this fixture are our new second generation LED T series 15W watt lamps which produce 15% more light than standard T8 bulbs.

The solid state design of the LED lamps and integral spring loaded end sockets give this fixture superior resistance to damage from vibrations and extremes in temperature as well as a lamp service life over twice that of T8 bulbs. Our LED-T series lamps produce more illumination than standard T8 bulbs. This fixture is multi-voltage capable (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. We also make a 12-24V DC version for low voltage applications (-LV suffix). Our EPL-48-4L-LED LED light fixture is NRTL Listed for United States and Canada for use in paint spray booths.

Mounting: Standard end mounting via Unistruts. The Unistrut is attached to our standard L-bracket mounts. These L-bracket mounts can be adjusted to create angle mounts. As illustrated in the photos above, the series of mounting holes at the top of the bracket enable this explosion proof LED light to be attached to any wall, ceiling or floor surface. A simple through bolt can be used to secure the light to the surface. A single junction box at one end of the light is provided for the electrical connection.

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 dialectrically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy
4. No ballast box. No ballast to replace.
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.
8. Spring loaded sockets on both ends hold lamps firmly for maximum shock and vibration protection.
9. Lighter weight, slimmer, brighter alternative to fluorescent configurations

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. California Title 24 Compliant

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Frequently Asked Questions (FAQ)

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EPL-24-4L-LED

Product ID: 48227

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-24-4L-LED-Voltage-Color Temp-Mount

Example: EPL-24-4L-LED-1227-5600K-SFC

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

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

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- Dimensional Drawing 2D
- SpecSheetArabic
- SpecSheetFarsi
- SpecSheetFrench
- SpecSheetRussian
- SpecSheetSpanish
- Spectrum Curve (Wavelength Graph)
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map