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

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Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).

EPLD-48-1X4-LP-LED-V2 Explosion Proof Low Profile LED

Lamp Type: LED
Listing: United States, Canada, Europe, Asia
Dimensions: 48.00"L x 24.00"W x 4.50"D
Flange Dimensions: 48.00"L x 24.00"W
Weight: 22 lb
Voltage: Universal 100-277V AC 50/60Hz or 11-25V AC/DC
Total Watts: 80W
Lumens: 10,800
Luminous Efficacy: 135 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4500K or 3000K
Color Rendering Index: >85 CRI
Beam Angle: 100° Horizontal, 140° Vertical
Lighting Configuration: Wide Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 0.67A @ 120V, 0.33 @ 240V, 0.29 @ 277V
Ambient Operating Temp Range: -50°C to +65°C
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum
Lens Material: Hardened Borosilicate Glass
Mounting: Recessed Panel Mounting
Wiring: Terminal Strips
Wiring Hub: 3/4" NPT

Ratings/Approvals
Class I, Divisions 1 & 2, Groups C and D; T5
Class II, Divisions 1 & 2 Groups E, F and G; T5
Class III, Divisions 1 & 2; T5
NRTL Certified to UL 844 Ed. 13
NRTL Certified to UL 1598
NRTL Certified to UL 8750
NRTL Certified to C22.2 No. 137 Rev 2014
NRTL Certified to C22.2 No. 250.0
NRTL Certified to C22.2 No. 250.13
T5 Temperature Rating
Paint Spray Booth Approved
Factory Sealed Light Fixture

Special Orders- Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-498-3364

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The EPLD-48-1X4-LP-LED-V2 from Larson Electronics is a 1x4 Explosion Proof Light Lay-In Troffer Fixture that provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. This explosion proof LED light has a T5 temperature rating and carries a paint spray booth, and is approved for use in United States, Canada, Europe, and Asia markets. It is ideal for applications such as clean rooms, paint booths, oil rigs, offshore applications, petrochemical, manufacturing, chemical storage, water treatment centers, and food processing plants where a where flammable gases, vapors, or dusts exist or stand the potential to exist. The EPLD-48-1X4-LP-LED-V2 is equipped with a 3/4" NPT hub for wiring.
*****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE*****

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This Class I Divisions 1 & 2, Class II Divisions 1 & 2 explosion proof lay-in toffer light fixture provides 13,520 lumens of high quality light while only drawing 80 watts. The LED assembly is protected by an aluminum framed, hinged, 3/16" thick polycarbonate door that provides direct front access to the internal components. The lamp housing is designed for recessed mounting, and is constructed of non-sparking aluminum coated with a powder coated white finish. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention at the 60,000 hour mark. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

The EPLD-48-1X4-LP-LED-V2 from Larson Electronics is a 1x4 lay-in explosion proof LED light fixture with a unique design, ideal for hazardous locations where little to no contamination is required such as clean rooms. Instead of using diffused glass, optics, or reflectors to distribute the light, Larson Electronics has positioned the boards within the fixture to provide a wide area light without sacrificing quality or light output. Two offset LED assemblies within the fixture allow this explosion proof linear lamp to provide a brilliant 100° horizontal beam spread and 140° vertical beam spread while achieving a 13,520 lumen output to maintain a small form factor. When compared to our EPL-48-2L-T5HO fixture, the EPLD-48-1X4-LP-LED-V2 fixture produces twice the light output while taking up less than half the surface area. The EPLD-48-1X4-LP-LED-V2 is an ideal for applications with little space where low profile fixtures are required.

This light is universal voltage capable and can be operated with 100-277V AC, 50/60Hz. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The steel body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronics.

Mounting: This fixture is designed for recessed mounting and requires a mounting hole to be made in booth panels capable of accommodating the fixture housing in order to provide the maximum amount of space in clean room areas. Once mounted, this fixture's door frame will extend 3/8" into the room.

Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste water treatment plants, gas processing plants, offshore applications, oil tankers, mud tanks, sand mines, mining, cold weather applications. ISO 14644 and FS-209E clean room applications that require little to no contamination including but not limited to medical applications, pharmaceutical, laboratories and any other applications that require ample lighting with little to no contamination within the work area atmosphere.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

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Options:

-Color Temp

Example: -50K

Color Temp	
5000K	-50K
4500K	-45K
3000K	-30K

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Links (Click on the below items to view):

- ISO 9001 Certification

- Business Certificate