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EPL-48-4X100LED-20C-480V.1P

272W Explosion Proof LED Light - C1D1/C2D1 - (4) 4' LED Lamps, 480V AC - 20' Cord - Remote Power

Product ID: 224060

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-48-4X100LED-20C-480V.1P Explosion Proof Linear LED Fixture

Lamp Type: LED
Lamp Dimensions: L-47.46" W-19.32" H-6.15"
Power Supply Dimensions: 15.32"L x 15.32"W x 11.09"H
LED Lamp Qty: (4)
Total Weight: 264 lbs

Input Voltage: 480V AC, 50/60 Hz
Single-lamp Watts: 68W
Total Watts: 272W
Single-lamp Lumens: 7,250 lms
Total Lumens: 29,000 lms
Luminous Efficacy: 106 lm/w
LED Life Expectancy: 50,000+ Hours
Color Temperature: 5000K
Color Rendering Index: 75
Power Efficiency: -
Power Factor: -

Beam Angle: 150°

Lighting Configuration: Flood
Amps: 0.56A @ 480V AC
Ambient Operating Temp Range: -40°C to 65°C

Operating Temp Rating: T4A Rated

Minimum Operating Temp: -40°C
Maximum Case Temp: 65°C

Ratings

Class I, Divisions 1&2 Groups C,D
Class II, Divisions 1&2 Groups E,F,G
NRTL Certified to UL 844
NRTL Certified to UL 1598 Marine Type
NRTL Certified to UL 8750

NRTL Listed for United States & Canada

IP66 Rated
NEMA 4X
CSA 22.2 No. 137-M81

Special Orders - Special Requirements

Contact us for special requirements

Materials: Non-sparking
Mounting: Surface Standard - Pendant Optional
Wiring: 20` 16/3 SOOW Cord w/ Blunt Cut End
Power Supply Hubs: (2) 3/4" NPT Hubs

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The Larson Electronics EPL-48-4X100LED-20C-480V.1P Explosion Proof LED Light is designed for facilities wherein flammable chemical/petrochemical vapors exist or have the potential to exist. This 272-watt explosion proof LED light contains four LED lamps and emits 29,000 lumens of white light during use. Equipped with a power supply, the surface-mount unit operates on 480V AC.

The EPL-48-4X100LED-20C-480V.1P is comprised of solid-state LEDs, making this explosion proof LED fixture highly resistant to shock and vibrations in flammable environments. Equipped with four LED lamps, the 272-watt LED fixture operates on a 480V AC remote-power system, while producing 29,000 lumens of white light with a color temperature rating of 5000K and 75 CRI rating. This unit contains a 150° beam angle and emits a flood-beam configuration.

This light operates with 480V AC from a remote power supply. The power supply measures 15.32"L x 15.32"W x 11.09"H and weighs 85 lbs. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The solid state design of the LED lamps give this fixture superior resistance to damage from vibration, extremes in temperature and a lamp service life over twice that of standard T5 fixtures.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

Hubs: The explosion proof LED lamp is equipped with 20` of 16/3 SOOW cord with blunt-cut ends. The power supply is equipped with two 3/4" NPT hubs and internal terminal strips.

Mounting: The EPL-48-4X100LED-20C-480V.1P is suitable for surface mounting applications (pendant mounting optional) and is ideal for installation in locations where space is at a premium.

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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Product ID: 224060

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**