

47W Explosion Proof LED Fixture - Class I, II, III - 7,147 lms - Fluorescent Replacement - IP66/Wet Locations

EPL-LPL-40-R1-LED

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



EPL-LPL-40-R1-LED Explosion Proof Low Profile LED

Listing: NRTL Listed for United States, Canada

Lamp Technology: LED

Dimensions: 37.97" x 6.09" x 5.39"

Weight: 28 lbs

Voltage: Universal 120-277V AC 50/60Hz

Total Watts: 46.5W

Lumens: 7,147 lms

Luminous Efficacy: 154 Lm/W

Lamp Life: 60,000+ Hours

Color Temp: 5000K

Color Rendering Index: 70 CRI - Minimum

Lamp Type: -

Lamp Base: -

Replacement Lamp: -

Beam Angle: -

Lighting Configuration: Flood Pattern

Power Efficiency: -

Fluorescent Replacements: 1x55W BIAx, 2x28 T5, 2x32 T8, 2x36 T8, 2x40W BIAx, 2x54 T5HO

Amperage: 0.4A - 0.2A

Ambient Operating Temp Range: -

Operating Temp Rating: T5/T6

Housing Material: Non-sparking, Corrosion Resistant Copper-free

Lens Material: -

Mounting: Ceiling Flush Mount

Wiring: Terminal Blocks

Wiring Hub: (3) 3/4" NPT

Ratings/Approvals

Class I, Divisions 1 & 2, Groups B,C,D

Class I, Zones 1 & 2, Groups IIB,IIA

Class II, Divisions 1 & 2 Groups E,F,G

Class III, Divisions 1 & 2

IP66

T5/T6 Temperature Rating

Paint Spray Booth Approved

20kV/10kA Surge Protection

Suitable for Wet Locations

Special Orders- Requirements

Contact us for special requirements

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The EPL-LPL-40-R1-LED from Larson Electronics is a Low Profile Explosion Proof Light Fixture that provides operators with a powerful and energy efficient alternative to traditional hazardous location fluorescent luminaries. This explosion proof LED unit offers 7,147 lumens of 5,000K rated white light during use. The 46.5-watt LED fixture is IP66 rated and suitable for wet locations and paint spray booths.

The Class I, II and III rated low profile explosion proof light fixture provides 7,147

lumens of high quality light while only drawing 46.5 watts. Equipped with angled LED boards, the unit features a clear lens and comes with a 5,000K color temperature rating. This LED light is a suitable replacement for the following fluorescent lamps: 1x55W BIAx, 2x28 T5, 2x32 T8, 2x36 T8, 2x40W BIAx and 2x54 T5HO. Power protection in the form of 20kV/10kA surge protection is available with this fixture.

This explosion proof LED light is IP66 rated, corrosion resistant and protected against high pressure jets and temporary submersion. Designed for combustible sites, wet locations and paint spray booths, the copper-free housing ensures durability and resistance to vibration and impacts.

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. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Voltage: The explosion proof LED light is universal voltage capable and can be operated with 120-277V AC, 50/60 Hz without modifications to the fixture.

Wiring: This LED light fixture is equipped with terminal blocks for wiring connections. The wiring chamber can be accessed easily through a tool-less entry door. A total of three, 3/4" NPT hubs are available on the unit.

Mounting: The EPL-LPL-40-R1-LED features a removable ceiling flush mounting component for seamless installation at the work site. T-slots are accessible for mounting via 5/16 or M8 bolt. There are also field-installed eye bolts for safety chain requirements.

Suggested 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.

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.



Frequently Asked Questions (FAQ)



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