

80W Explosion Proof Strobing LED UV Light Fixture - 10-100 Flashes Per Minute - 28,000mW EPL-48-2L-IPS-UVA-STRB-RC



EPL-48-2L-IPS-UVA-STRB-RC Explosion Proof Strobing LED UV Light

Dimensions: 51.48"-L x 11.98"-W x H-8.92"
Weight: 70 Lbs
Total Watts: 80 Watts
Voltage: 120-277 AC 50/60 Hz
Total Intensity: 28,000 mW
Lamp Life Expectancy: 50,000 hours
Efficiency: 573 mW/w
Ambient Operating Temp Range: -40°C to 85°C
Operating Temp Rating: T6 Rated
Minimum Operating Temp: -40°C
Maximum Case Temp: +85°C
Beam Angle: 150°
Color: Ultraviolet- 365NM
Mounting: Bracket Standard - Pendant Optional
Wiring Hub: 1/2" Threaded NPT

Ratings/Approvals

Class I Division 1 Groups C & D
Class I Division 2 Groups A, B, C & D
Class II Divisions 1 & 2 Groups E, F & G
NRTL Certified to UL 844, 924
NRTL Certified to UL 1598 Marine Type
NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
California Title 24 Compliant
20' 16/3 SOOW Between Remote and Fixture
Hardwired Remote Control
Adjustable Strobing Ability Between 10-100 Flashes Per Minute

Special Orders- Requirements

Contact us for special requirements
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Made in the USA

The EPL-48-2L-IPS-UVA-STRB-RC from Larson Electronics is an Explosion Proof Strobing LED UV Light Fixture that is NRTL Listed for United States and Canada, Class I Division 1 & 2, Class II Division 1 & 2 rated, Paint Spray Booth approved, and NRTL Certified to UL 1598A Wet Locations. This fixture uses advanced LED light technology to produce ultraviolet light and is T6 rated for hazardous locations where UV lamps are used in paint and adhesive curing, food inspection or for non-destructive testing. The EPL-48-2L-IPS-UVA-STRB-RC draws a total of 80 watts and has 28,000mW of total intensity. The EPL-48-2L-IPS-UVA-STRB-RC operates on 120-277V AC voltage. The EPL-48-2L-IPS-UVA-STRB-RC has the ability to strobe at an adjustable rate of between 10 and 100 flashes per minute. The strobing rate is controlled via a hardwired remote control. The remote control must be used outside of the hazardous area.

The EPL-48-2L-IPS-UVA-STRB-RC fixture is a 2 foot long, 3 lamp, Class I Division 1 & 2 and Class II Division 1 & 2 explosion proof LED light fixture that emits light in the ultraviolet spectrum. The EPL-48-2L-IPS-UVA-STRB-RC is made to order and is typically used for curing coatings or adhesives and for non-destructive testing. This lamp is protected by heat and impact resistant Pyrex tubes and the

fixture is constructed of copper free aluminum alloy. The lamp reflectors are corrosion resistant heavy gauge aluminum coated with a high gloss reflective finish. This fixture can operate on voltages ranging from 120V-277V 50/60Hz and is approved for use in hazardous environments, paint spray booths, wet environments, and areas where UV lamps are used in paint and adhesive curing, food inspection, and for non-destructive testing.

The EPL-48-2L-IPS-UVA-STRB-RC uses LED light technology, a technology that is far better in energy saving than traditional fluorescent bulbs used for the same purposes. Traditional ultraviolet lights require a coating to block out visible light or a special composition of gases and chemicals used to create a higher concentration of ultraviolet light. This process, however, also produces many other wavelengths of light which go unused and end up as wasted energy. LED lights are unique in that they have a narrower wavelength band than traditional ultraviolet sources and therefore do not require these special coatings. As a result, LED lights do not produce unused, wasted light and therefore consume less energy than traditional UV lights on the market. LED lights have the added benefit of being capable of producing very specific wavelengths with tighter curves and are more durable and light weight as well.

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.

The Class I & II, Division 1 & 2 LED ultraviolet light fixture can be used for non-destructive testing in aviation and manufacturing, food processing and inspection, and in paint, coating, and adhesive curing. The EPL-48-2L-IPS-UVA-STRB-RC provides operators in hazardous locations with a reliable and durable UV lighting solution that combines effective production of UV light with explosion proof protection and is applicable for leak detection, paint spray booths, ink, coatings, and adhesive curing, non-destructive testing, inspection, and food processing.

Strobing: The EPL-48-2L-IPS-UVA-STRB-RC is equipped with a strobe flasher and hardwired remote control for strobe rate adjustment. The EPL-48-2L-IPS-UVA-STRB-RC incorporates an onboard adjustable flash rate of 10 to 100 flashes per minute and a universal input voltage in one device and its circuitry is encapsulated. The versatility of the EPL-48-2L-IPS-UVA-STRB-RC makes it ideal for applications where various flash rates and operating voltages are required. The remote is connected to the LED UV light fixture via 20' of 16/3 SOOW chemical and abrasion resistant cord.

PLEASE NOTE THAT THE REMOTE CONTROL MUST BE USED OUTSIDE OF THE HAZARDOUS AREA

Mounting Options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown enlarged below. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit). Additional mounting configurations can be customized to meet the requirements on the application. Please contact us for special mounting configurations.



SURFACE MOUNT (STANDARD)

[Click Photo to Enlarge](#)



PENDANT MOUNT (OPTIONAL)

[Click Photo to Enlarge](#)

Adjustable Surface Mount Brackets: Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg.

Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture features a 1/2" NPT junction box on one end, and a 1/2" NPT adjustable L-bracket on the other end of the fixture. Operators bring rigid pipe down to the threaded mounting hubs. Wiring is fed down through the rigid pipe to the junction box and tied in to the fixture's lead wires, completing the electrical connection. The adjustable L-shape mounting bracket provides support for the opposite end of the fixture.

Made in USA Quality

1. Each unit dielectrically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets enable the operator to choose any mounting angle for the fixture.
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 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.

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

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.

Options:

EPL-48-2L-IPS-UVA-STRB-RC-Mount

Example: EPL-48-2L-IPS-UVA-STRB-RC-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND

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