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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPL-SL-9-50X-150LED-B-IBC

1350W Explosion Proof LED String Light - (9) 150W Group B LED Lamps w/ I-beam Mount - 50ft Spacing

Product ID: 148664

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-SL-9-50X-150LED-B-IBC Explosion Proof LED Fixture
Lamp Type: Explosion Proof LED
Dimensions: 16"- D (per Lamp)
Weight: 28 lbs (per Lamp)
Voltage: 100-277V AC, 50/60Hz
Total Watts: 1,350 (150W per Lamp)
Total Lumens: 90,000 (10,000 lm per lamp)
LED Lamp Life Expectancy: 60,000+ Hours
Color Temp: 6,000K
CRI: 70
Beam Angle: Flood
Operating Temp:-40C to +65C
Materials: Copper-free Aluminum
Mounting: Temporary I-Beam Clamps - (1) per Fixture
Wiring: 500` 10/3 SOOW Cable - 50` Between Lamps, 50` Whip
Cord Cap: 5-15P (125V), 5-20P (125V), 6-20P (250V)

Ratings/Approvals
Class I, Divisions 1 & 2 Groups B,C,D
Class II, Divisions 1 & 2 Groups E,F,G
Class III
CSA Certified to C22.2 No.137-M81
cETL Certified to UL844 and C22.2 Standards
C1D1/C2D1 Group B, Hydrogen
IP67
(9) EXP LED Lamps
Daisy Chain Configuration
T5 Temp Rating

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics EPL-SL-9-50X-150LED-B-IBC Explosion Proof LED String Light is a superior lighting solution for hazardous locations that handle volatile compounds, including hydrogen. Made up of nine LED lamps in a daisy

chain configuration, the 1,350-watt unit is capable of providing 90,000 lumens of white light during illumination. All LED lamps are equipped with I-beam clamps for mounting. This explosion proof fixture operates on 120-277V AC (universal).

The EPL-SL-9-50X-150LED-B-IBC offers powerful illumination in industrial buildings that work with explosive compounds, including hydrogen (Group B). This 1,350-watt fixture consists of nine LED lamps (150 watts per light) in a daisy chain configuration. During operation, the lighting system provides 90,000 lumens of white light with a color temperature rating of 6,000K. These luminaries are a direct replacement for 400-watt metal halide temporary lamps.

This explosion proof LED fixture is constructed of copper-free aluminum. The lamps are powder coated for added durability and attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture achieve an excellent 60,000+ hour rated lifespan with 80% lumen retention. The IP67-rated unit is designed for Class I, Divisions 1 & 2; Class II, Divisions 1 & 2; and Class III, Divisions 1 & 2 work sites - with focus on facilities that handle hydrogen (Group B).

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.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring/Mounting: The EPL-SL-9-50X-150LED-B-IBC is equipped with 500 feet of 10/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. A total of 50 feet of SOOW cord is allocated between each LED lamp, with a 50-foot whip at the end for completing electrical connections to a preferred power source. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets.

All nine explosion proof LED fixtures are equipped with I-beam mount clamps and connected in series. The lamps can be moved around and mounted to different points within the work area. The lights, however, must remain within 50 feet of each other.

Applications: Hydrogen production, manufacturing plants, chemical processing, fuel cell sector, explosive storage centers, agricultural sites, oil and gas, petroleum refineries and more.

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.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. I-beam clamp mount.
8. Low profile - lightweight.
9. 90,000 lumen output from nine, 150W LED lamps.

Superior LED Benefits

1. 60,000 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 lifespans 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 LED 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.

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Frequently Asked Questions (FAQ)

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Product ID: 148664

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-9-50X-150LED-B-IBC-Cord Cap

Example: EPL-SL-9-50X-150LED-B-IBC-1523

Cord Cap	
5-15P	-1523
5-20P	-2023-125V
6-20P	-2023-250V

Links (Click on the below items to view):

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