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-5-LP24-LED

Explosion Proof Low Profile LED String Lights - 5 Lights - 27,000 Lumens - C1D1/C2D1

Product ID: 272757

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-5-LP24-LED Explosion Proof Low Profile LED

Lamp Type: LED
Listing: United States, Canada
Lamp Dimensions: 30"-L x 5"-W x 3"-H
Weight: 50 lb
Voltage: Universal 100-277 V AC, 50/60 Hz or 11-25 V AC/DC
Total Watts: 200W
Lumens: 27,000
Luminous Efficacy: 135 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5600K, 4500K, or 3000K
Color Rendering Index: >75 CRI
Beam Angle: 100° Horizontal, 140° Vertical
Lighting Configuration: Wide Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 1.68 A @ 120 V, 0.84 A @ 240 V, 0.72 A @ 277 V
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: Aluminum Hooks, Eyelets, Adjustable Brackets
Wiring: 105' 16/3 - 20' Spacing - 65' Whip

Ratings/Approvals

Class I, Division 1 , Groups C and D
Class I, Division 2, Groups A, B, C, D
Class II, Divisions 1 & 2 Groups E, F and G
Class III, Divisions 1 & 2
T6 Temperature Rating
NRTL Certified to UL 844 Ed. 13
NRTL Certified to UL 1598
Certified to UL 844 Ed. 13
Certified to UL 1598
Certified to C22.2 No. 137 Rev 2014
Certified to C22.2 No. 250.0
Paint Spray Booth Approved
Factory Sealed Light Fixture

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

Made in the USA

The EPL-SL-5-LP24-LED from Larson Electronics is a Low Profile Explosion

Proof String Light Set that provides operators with a powerful and energy efficient alternative to traditional hazardous location portable stringers. LED technology and compact design makes this LED stringers an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. This explosion proof LED light has a T6 temperature rating, carries a paint spray booth certification, and is approved for use in United States and Canada. It is ideal for applications such as 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.

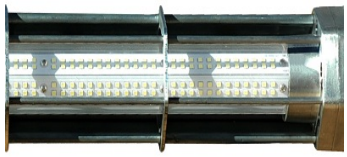
This Class I Divisions 1 & 2, Class II Divisions 1 & 2 explosion proof string light set from Larson Electronics contains a total of five 40 watt explosion proof LED work lights producing a combined 27,000 lumens. Each fixture is equipped with aluminum hooks and connected in series along 40 feet of 16/3 SOOW explosion proof cord. The C1D1 LED light fixtures are junctioned together, with 20 feet of 16/3 SOOW cable between the fixture. With this arrangement, each drop light cannot spark if pulled apart or dragged. A 65 foot tail section of main SOOW cord is included to allow ample length for connection to power sources. The cord on this unit is terminated with a Class I, Division 1 explosion proof plug for complete protection.

Each Class I Divisions 1 & 2, Class II Divisions 1 & 2 low profile explosion proof light fixture provides 5,400 lumens of high quality light while only drawing 40 watts. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. 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 EPL-SL-5-LP24-LED from Larson Electronics is an integrated low profile linear explosion proof LED light fixture with a unique design. 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 6,760 lumen output to maintain a small form factor. The LED assembly is protected behind a tempered borosilicate glass tube that is protected by an aluminum wire guard to prevent from accident damage to the light fixture.

With each lamp measuring only 5" in width, these drop lights takes up the same surface area as a standard two foot explosion proof drop light, while providing more light output than a two foot, 2-lamp surface mount linear fluorescent fixture. When compared to our EPL-24-2L-T5HO fixture, a single drop light from the EPL-SL-5-LP24-LED produces twice the light output than the two 24 watt T5HO lamp; this string light set has three of these LED fixtures fixtures in the set. The EPL-SL-5-LP24-LED is an ideal for applications with little space where low profile fixtures are required.





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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.
This light is universal voltage capable and can be operated with 100-277 V AC, 50/60 Hz. We also offer a low voltage version of this LED fixture that operates on low voltage from 11-25 volts AC/DC. 120 V models are equipped with a 5-15, 15 amp, 125 volt rated, 1523 explosion proof straight blade plug. 240 V models are equipped with a 6-20, 20 amp, 2023 explosion proof plug. Low voltage AC/DC models are equipped with a 5-15, 15 amp, 125 volt rated, 1523 explosion proof straight blade plug. We also offer pin/sleeve configurations, 36-75 V AC/DC, and 277/480 V configurations, please contact us for custom configurations.
This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast aluminum 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.
Each LED light fixture produces 6,760 lumens with a color temperature of 5000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures).
Mounting: Each fixture is supplied with aluminum hooks for hook mounting. Eyelets on each end of the fixture allow operators to chain hang or S hook mount the fixtures. For semi-permanent installations, surface mount brackets can be used to mount each fixture.
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.

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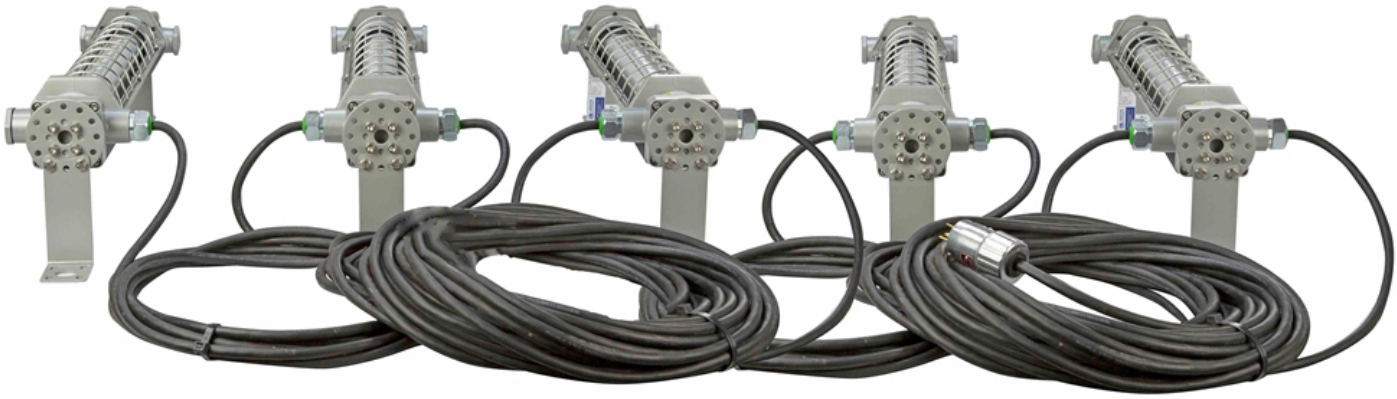
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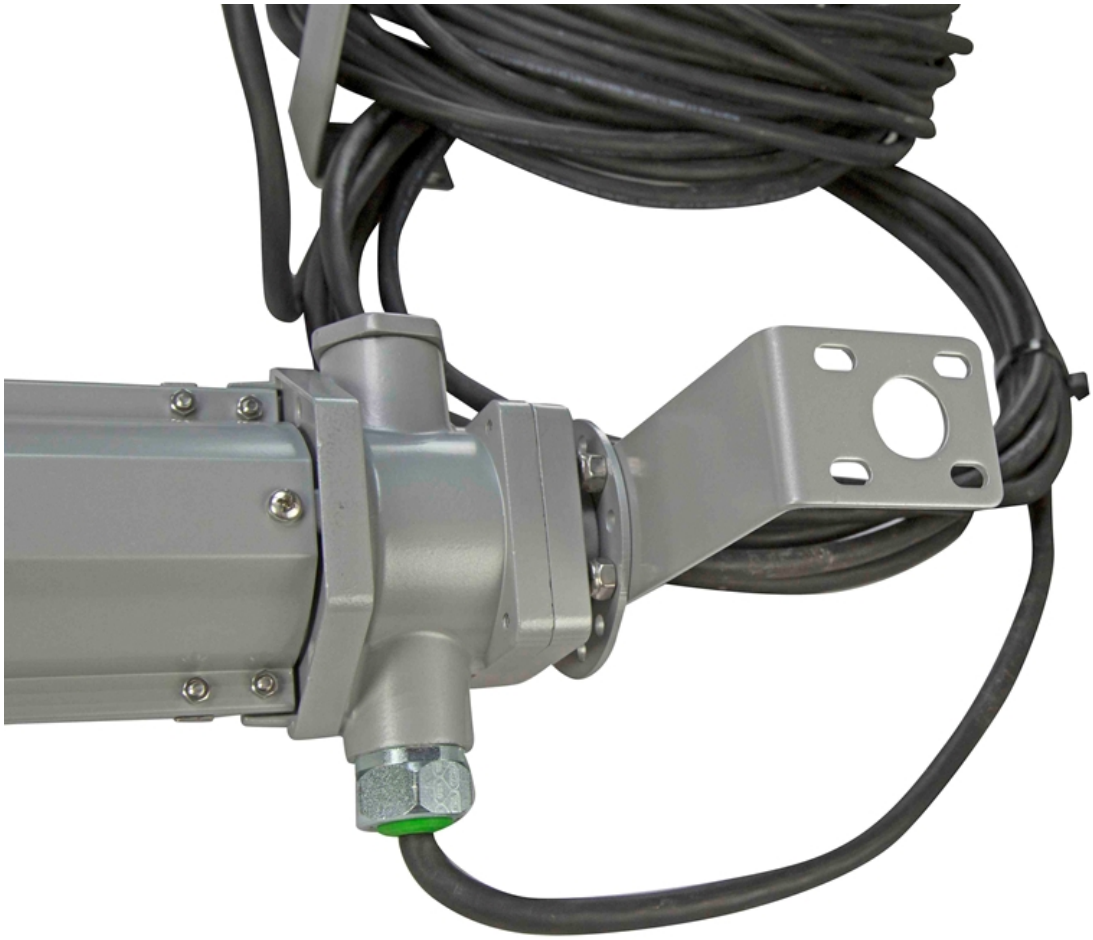
Frequently Asked Questions (FAQ)

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EPL-SL-5-LP24-LED

Product ID: 272757

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-5-LP24-LED-Voltage-Cord Cap

Example: EPL-SL-5-LP24-LED-1227-1523

Voltage	
120-277V AC	-1227
12-24V AC/DC	-1224

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

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**