

EPL-SL-5-LED-ITG-TXF-C1D1

Explosion Proof LED String Lights - 120-277V AC to LV DC - EXP Inline Xfrmr - 50' Cord, EXP Cord Cap

Product ID: 153479

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-LED-ITG-TXF-C1D1 Explosion Proof LED String Lights

Unit Type: Explosion Proof LED String Lights

Lamp Dimensions: L-20.8" Dia-5"

Lamp Quantity: 5

Lamp Weight: 4.5 lbs

Input Voltage: 120-277V AC

Output Voltage: 12V DC or 24V DC

Total Watts: 125

Total Lumens: 13,750

Luminous Efficacy: 42.5 Lm/W

Lamp Life: 50,000+ Hours

Color Temp: 5,000K

Color Rendering Index: 70

Amps: 1.04A @ 120V, 0.45A @ 277V

Ambient Operating Temperature: -20°C to +50°C

Housing Material: Aluminum Alloy with Nylon Zytel Handle

Lens Material: Tempered Soda Lime Glass; Frosted

Mounting: Handheld with Annealed Aluminum Wire Swivel Hook

Handlamp Wiring: 3` 14/3 SEOW Cable Drop from Backbone

Wiring: 50` 14/3 SEOW Cable - 10` Between Lamps - 10` Lead, EXP Inline Transformer
-10` Input Whip

Cord Cap Options: 5-15 Straight (120V), 5-20 Twist (120V) or 6-20 Twist (250V) EXP Plug

Ratings/Approvals

Class I, Division 1 & 2 Groups C, D

Class II, Division 1 & 2 Groups F, G

NEMA 4X

T4 Temperature Rating

360° Illumination

EXP Inline Transformer

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics EPL-SL-5-LED-ITG-TXF-C1D1 Explosion Proof LED String Light is ideal for general lighting, detailed tasks and inspections in hazardous locations. This 125-watt unit features a total of 5 LED handlamps, which provides 13,750 lumens of output during use. A heavy-duty swivel hook at the top of each handlamp offers versatile mounting on poles, indentions and small openings for hands-free operation. Equipped with an encapsulated step-down explosion proof inline transformer, cord and cord cap, a unique angled board design ensures 360° of comprehensive illumination.

The EPL-SL-5-LED-ITG-TXF-C1D1 is designed for handheld or hands-free illumination in hazardous locations. This 125-watt unit incorporates five explosion proof LED hand lamps connected in series and is suitable for use in areas where petrochemical vapors and various dusts are present. Designed to operate on universal 120-277V AC, the lighting system emits a total of 13,750 lumens of white light with a color temperature rating of 5,000K and CRI rating of 70. An angled board configuration inside the LED lamps offer 360° illumination for full lighting requirements.

This durable LED string light is constructed of non-sparking aluminum, minimizing the possibility of ignition. A frosted lens design ensures clarity and prevents blinding when looking directly at the lamp during operation. A molded T junction is mounted every ten feet, with 3 feet of 14/3 SEOW cord connecting a single drop light to the backbone. The transformer is encapsulated in a NEMA 4X enclosure, is equipped with a 10-foot line in cable, and equipped with an explosion proof plug.

The explosion proof inline power supply for this LED string light is an auto sensing universal voltage transformer that operates on any voltage within the 100-277 volts AC 50/60Hz range. This unit allows operators to power the string light from any 120-277V AC power source, and steps down AC voltage to 12V DC or 24V DC.

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/Plug: This unit is equipped with 50 feet of 14/3 chemical and abrasion resistant SEOW line-in cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. 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.

Mounting: Operators may mount the portable LED string lights on poles, hooks, corners, indentions, chains and other compatible openings using a sturdy annealed aluminum wire swivel hook located at the top of the unit. This hands-free option allows operators to use both hands for demanding tasks, greatly decreasing time spent inside the hazardous location. Alternatively, operators may hold the lights up using a handle located at the bottom of the lamp. This handheld option is suitable for inspections and temporary, detailed tasks.

Applications: Inspections, portable lighting, tank cleaning, hazardous locations, detailed tasks, industrial facilities, oil refineries, agricultural sites, grain storage centers, food processing 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.



Frequently Asked Questions (FAQ)

EPL-SL-5-LED-ITG-TXF-C1D1

Product ID: 153479

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-5-LED-ITG-TXF-C1D1-Cord Cap-Output Voltage

Example: EPL-SL-5-LED-ITG-TXF-C1D1-1523-12VDC

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

Output Voltage	
12V DC	-12VDC
24V DC	-24VDC

Links (Click on the below items to view):

- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 3, Misc](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)