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EPL-SL-10-LED-ITG-TXF

Explosion Proof LED String Light - 10 Lamps - 120-277V AC Input - Inline Xfrmr - 135' Cord w/ Plug

Product ID: 153472

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-10-LED-ITG-TXF Explosion Proof LED String Light
Unit Type: Explosion Proof LED String Light
Dimensions: L-20.8" Dia-5"
Lamp Quantity: 10
Lamp Weight: 4.5 lbs
Input Voltage: 120-277V AC
Output Voltage: 12V DC or 24V DC
Total Watts: 250
Total Lumens: 27,500
Luminous Efficacy: 42.5 Lm/W
Lamp Life: 50,000+ Hours
Color Temp: 5,000K
Color Rendering Index: 70
Amps: 2.08A @ 120V, 0.90A @ 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
Wiring: 135` 14/3 SOOW Cable - 10` Between Lamps - 25` Lead, Inline Transformer - 10` Input Whip w/ Cord Cap
Cord Cap Options: 5-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl Schuko

Ratings/Approvals
Class I, Division 1 & 2 Groups C, D
Class II, Division 1 & 2 Groups F, G
cULus LISTED E30252
NEMA 4X
T4 Temperature Rating
360° Illumination
General Area Inline Transformer

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

The Larson Electronics EPL-SL-10-LED-ITG-TXF Explosion Proof LED

String Light is ideal for general lighting, detailed tasks and inspections in hazardous locations. This 250-watt unit features a total of 10 LED handlamps, which provides 27,500 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 (non-explosion proof) inline transformer, cord and cord cap, a unique angled board design ensures 360° of comprehensive illumination.

The EPL-SL-10-LED-ITG-TXF is designed for handheld or hands-free illumination in hazardous locations. This 250-watt unit incorporates ten 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 27,500 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 16/3 SOOW cord connecting a single drop light to the backbone. A 25-foot tail section of main SOOW cord is included to allow ample length for connection to the inline stepdown transformer. The transformer is encapsulated in a NEMA 4X enclosure, is equipped with a 10-foot line in cable, and equipped with an industrial grade plug.

The non-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
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This explosion proof LED handlamp is equipped with 135 feet of 14/3 chemical and abrasion resistant SOOW cord leading to an inline encapsulated transformer, that steps down 120-277V AC to 12V or 24V DC. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.
Mounting: Operators may mount the portable LED handlamp 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 light 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.

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Frequently Asked Questions (FAQ)



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EPL-SL-10-LED-ITG-TXF

Product ID: 153472

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-10-LED-ITG-TXF-Cord Cap-Voltage

Example: EPL-SL-10-LED-ITG-TXF-5.15-12VDC

Cord Cap	
5-15 STRAIGHT	-5.15
L5-15 TWIST	-L5-15
L6-15 TWIST	L6-15
UK BS1363	-BS13
INTL SCHUKO	-Schuko

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**
- **Operations Manual**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**