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EPL-SL-10-LED-TXF

Explosion Proof LED String Lights - 10 lights - 120/277 to 12V DC - Class 1 Div 1 and Class 2 Div 1

Product ID: 105162

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-TXF
UL Listing: United States
Dimensions- Each Lamp: L-16.5" Diam-5"
Total Watts: 100
Single Lamp Watt: 10 watts
Voltage: 120-277V AC to 12V or 24V DC
Amps: 0.84 120V AC
Mounting: Handheld / Hanging via Aluminum Hooks
Wiring: 90` 12/3 SOOW Cable, 25` lead - 10` 14/3 input
Total Length: 125`
Single Lamp Weight: 6 lbs
Total Weight: 75 lbs

Ratings/Approvals
Class 1, Divisions 1 & 2, Groups C, D
Class 2, Divisions 1 & 2, Groups, F, G
Class 1, Zone 1, Group IIB
NEMA 4X
Stepdown Transformer
Impact Resistant

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The Larson Electronics EPL-SL-10-LED-TXF Explosion Proof String Light set with stepdown transformer is approved Class 1 Division 1 Groups C and D - and is ideal for general close work and inspection activities in hazardous locations requiring explosion proof protection. This explosion proof string light has ten low voltage explosion proof drop lights spaced

ten feet apart and an encapsulated step-down inline transformer.

Click here to see the Incandescent version of this light

This explosion proof string light set from Larson Electronics contains a total of ten low voltage LED 10 watt work lights equipped with aluminum hooks and connected in series along 90 feet of 12/3 SOOW explosion proof cord. A molded T junction is mounted every ten feet, with 3 feet of 14/3 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.

Click Photo to Enlarge Click Photo to Enlarge Click Photo to Enlarge

This 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. Each individual handlamp is equipped with an impact resistant rough service LED bulb. The machined aluminum housings, cast aluminum guard, tempered glass lamp globe, and abrasion resistant cord make this a very durable unit that will resist damage from chemicals, abrasion, vibrations and impacts. This string lighting solution will provide the lighting you require in a flexible, easy to manage configuration. The hand lamps can be moved around and hooked to different points on your scaffold. The lights, however must remain within 10 feet of one other. Each molded T section contains a hook eyelet, allowing operators to suspend the entire backbone off the ground and out of the work space.



100 Watt Incandescent Bulb
Click Photo to Enlarge



With the EPL-SL-10-LED-TXF
Click Photo to Enlarge

This stringer light set is Class 1, Division 1 rated for Groups C and D and Class II, Division 1 Groups F and G. This unit is multi-voltage and configured to operate on 120-277V AC stepped down to 12V or 24V DC, please choose your configuration below.

Stringer Energy Consumption Comparison

	Incandescent	CFL	LED
Wattage	1000 watts	260 watts	100 watts
Amp Draw @ 120V AC	8.34 amps	2.17 amps	0.84 amps
Amp Draw @ 277V AC	3.61 amps	0.94 amps	0.36 amps
Lamp Life Expectancy	1,500 hours	8,000 hours	50,000 hours
Color Temperature	2800K	4300K	6000K
Operation cost per year (8hs/day @ 11c/kWh)	$321.2	$83.52	$32.12

Wiring: This unit is equipped with SO cable leading to an encapsulated step down transformer. There is ten feet of 16/3 SO cable coming out of the inline transformer, and is terminated in an industrial grade cord cap. This 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 24V DC. Plug options include standard 5-15 straight blade plug for 110V wall outlets with ground, NEMA L5-15 twist lock plug for 125V twist lock outlets, NEMA L6-15 twist lock plug for 240V twist lock outlets, BS1363 3-blade plug for United Kingdom outlets, and a two pin Schuko plug for European outlets.

Made in USA Quality

1. Federal Spec Cord.

Lamp Features

100 watts of LED illumination

2. Explosion Proof.
3. Total of (10) 10 watt LED Lamps.
4. Non-sparking aluminum construction.
5. UL Class 1 Div 1 Class 2 Div1
7. 120-277V AC stepped down to12/24V DC Operation
8. SOOW cable.
9. Aluminum Hooks for Convenient Placement.

Non-sparking aluminum housings
Light weight mold T Juctions
Cast aluminum guard prevent lamp or globe damage
Temptered Soda-Lime Glass Lamp Globe
Integrated lamp shock absorbers prevent drop damage
Swivel hook for hanging and hands free operation
12/3 SOOW Abrasion Resistant Cable

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Frequently Asked Questions (FAQ)









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EPL-SL-10-LED-TXF

Product ID: 105162

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

Options:

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

Example: EPL-SL-10-LED-TXF-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**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**