

Explosion Proof LED String Lights - 10 lights - Daisy Chain End-2-End Connection - 100ft Stringer

Part #: [EPL-SL-10-LED-E2E](#)



Made in the USA

The Larson Electronics EPL-SL-10-LED-E2E Explosion Proof String Light set is U.L. 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.

Click here to see the Incandescent version of this light

This explosion proof string light set from Larson Electronics contains a total of ten 10 watt work lights equipped with aluminum hooks and connected in series along 100 feet of 14/3 SOOW explosion proof cord. 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. The cord on this unit is terminated with a 20 amp 5-20 or 6-20 Class 1, Division 1 explosion proof plug for complete protection. With this arrangement, each drop light cannot spark if pulled apart or dragged. An 25 foot tail section of main SOOW cord is included to allow ample length for connection to power sources. An explosion proof outlet at the end of the backbone provides the ability to connect multiple units end to end, allowing operators to daisy chain multiple stringers together along the jobsite.



100FT of 14/3 SOOW Explosion Proof Cord

[Click Photo's to Enlarge](#)

Explosion Proof Daisy Chain Outlet



100 Watt Incandescent Bulb



Molded T Connector w/ Hook Ring



With the EPL-SL-10-LED-E2E

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

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. 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.

Wiring/Power: This explosion proof string light is equipped with an explosion proof outlet 5` from the last junction point, allowing operators to connect multiple units together end to end. Operators can daisy chain up to 15 units end to end in 120 volt or 30 units in 240 volt configurations. Up to three units in 24 volt AC/DC can be connected end to end.

Stringer Energy Consumption Comparison

	<u>Incandescent</u>	<u>CFL</u>	<u>LED</u>
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
Amp Draw @ 12V DC	83.34 amps	21.67 amps	8.34 amps
Amp Draw @ 24V DC	41.67 amps	10.84 amps	4.17 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

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 or 12-24V DC, please choose your configuration below.

Made in USA Quality

1. Federal Spec Cord.
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 or 12-24V DC Operation
8. SOOW cable.
9. Aluminum Hooks for Convenient Placement.
10. Daisy Chain Connections.

Lamp Features

- 100 watts of LED illumination
- Non-sparking aluminum housings
- Light weight mold T Junctions
- Cast aluminum guard prevent lamp or globe damage
- Tempered Soda-Lime Glass Lamp Globe
- Integrated lamp shock absorbers prevent drop damage
- Swivel hook for hanging and hands free operation
- 14/3 SOOW Abrasion Resistant Cable

Specifications / Additional Information

EPL-SL-10-LED-E2E

UL Listing: United States

Dimensions- Each Lamp: L-16.5" Diam-5"

Total Watts: 100

Single Lamp Watt: 10 watts

Voltage: 120-277V AC or 12-24V DC

Amps: 0.84 120V AC

Mounting: Handheld / Hanging via Aluminum Hooks

Wiring: 100' 14/3 SOOW Cable - 20A EXP Plug - EXP Outlet

Total Length: 125'

Single Lamp Weight: 6 lbs

Total Weight: 70 lbs

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[This product does not qualify for free shipping.](#)

[Part #: EPL-SL-10-LED-E2E \(68845\)](#)

U.L. Ratings

Class 1, Divisions 1 & 2, Groups C, D

Class 2, Divisions 1 & 2, Groups, F, G

Class 1, Zone 1, Group IIB

NEMA 4X

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

E-mail: sales@larsonelectronics.com

Options:

EPL-SL-10-LED-E2E- VOLTAGE

Example: EPL-SL-10-LED-E2E-120V

VOLTAGE	
120V AC	-120V
240V AC	-240V
24V AC/DC	-24V









Links (Click on the below items to view):

- [Manual](#)
- [Hi-Res Image 1 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 2 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 3 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 4 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 5 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 6 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 7 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 8 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 9 - Explosion Proof LED String Lights](#)
- [Hi-Res Image 10 - Explosion Proof LED String Lights](#)