

EPL-SL-5-LED-E2E

Explosion Proof LED String Lights - 5 lights - Daisy Chain End-2-End Connection - 50ft Stringer

Product ID: 105395

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-E2E

Listing: United States

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

Total Watts: 50

Single Lamp Watt: 10 watts

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

Amps: 0.42 120V AC

Mounting: Handheld / Hanging via Aluminum Hooks

Wiring: 40' 14/3 SOOW Cable: 10' between lamps - 10' input whip - 5' output whip to EXP Outlet

Total Length: 60'

Single Lamp Weight: 6 lbs

Total Weight: 40 lbs

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 - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPL-SL-5-LED-E2E Explosion Proof String Light set is UL Listed 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 set from Larson Electronics contains a total of five 10 watt work lights equipped with aluminum hooks and connected in series along 40 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. A 10 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.

10 Watt LED Bulb



Molded T Connector w/ Hook Ring



10' whip w/ EXP Plug

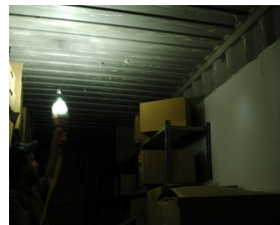
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100 Watt Incandescent Bulb



With the EPL-SL-5-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 five 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.

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 20 units end to end in 120 volt or 35 units in 240 volt configurations. Up to 5 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	500 watts	130 watts	50 watts
Amp Draw @ 120V AC	4.17 amps	1.09 amps	0.42 amps
Amp Draw @ 277V AC	1.8 amps	0.47 amps	0.18 amps
Amp Draw @ 12V DC	41.67 amps	10.84 amps	4.17 amps
Amp Draw @ 24V DC	20.84 amps	5.42 amps	2.08 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)	\$160.6	\$41.76	\$16.06

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 (5) 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

- 50 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

Frequently Asked Questions (FAQ)









EPL-SL-5-LED-E2E

Product ID: 105395

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-5-LED-E2E-Voltage

Example: EPL-SL-5-LED-E2E-120V

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

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](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)