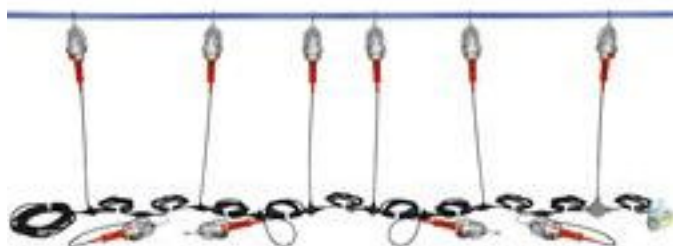


EPL-SL-10-LED-12.3-E2E

Explosion Proof LED String Lights - 10 lights - Daisy Chain Connection - 12/3 SOOW - 100ft Stringer

Product ID: 105109

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-12.3-E2E Explosion Proof String Light Set

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: 125' 12/3 SOOW Cable - 10' between lamps - 25' input whip - 10' output whip

Total Length: 125'

Cord Cap: 5-20 or 6-20 Explosion Proof Plug

Outlet: 5-15/5-20 or 6-15/6-20 Explosion Proof Outlet

Single Lamp Weight: 6 lbs

Total Weight: 70 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

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-SL-10-LED-12.3-E2E Explosion Proof String Light set is UL Listed Class I 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 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. The cord on this unit is terminated with a 20 amp 5-20 or 6-20 Class I 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 job site.

10 Watt LED Bulb



Molded T Connector w/ Hook
Ring

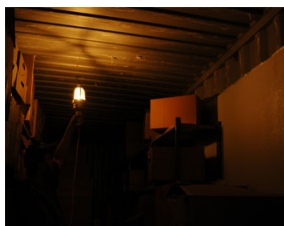


25' whip w/ EXP Plug

[Click Photos to Enlarge](#)

[Click Photos to Enlarge](#)

[Click Photos to Enlarge](#)



100 Watt Incandescent Bulb



With the EPL-SL-10-LED-12.3-E2E

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.

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.

[Click Photos to Enlarge](#)



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof flood light is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include 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.

****PLEASE NOTE**** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.

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.

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.

Made in USA Quality

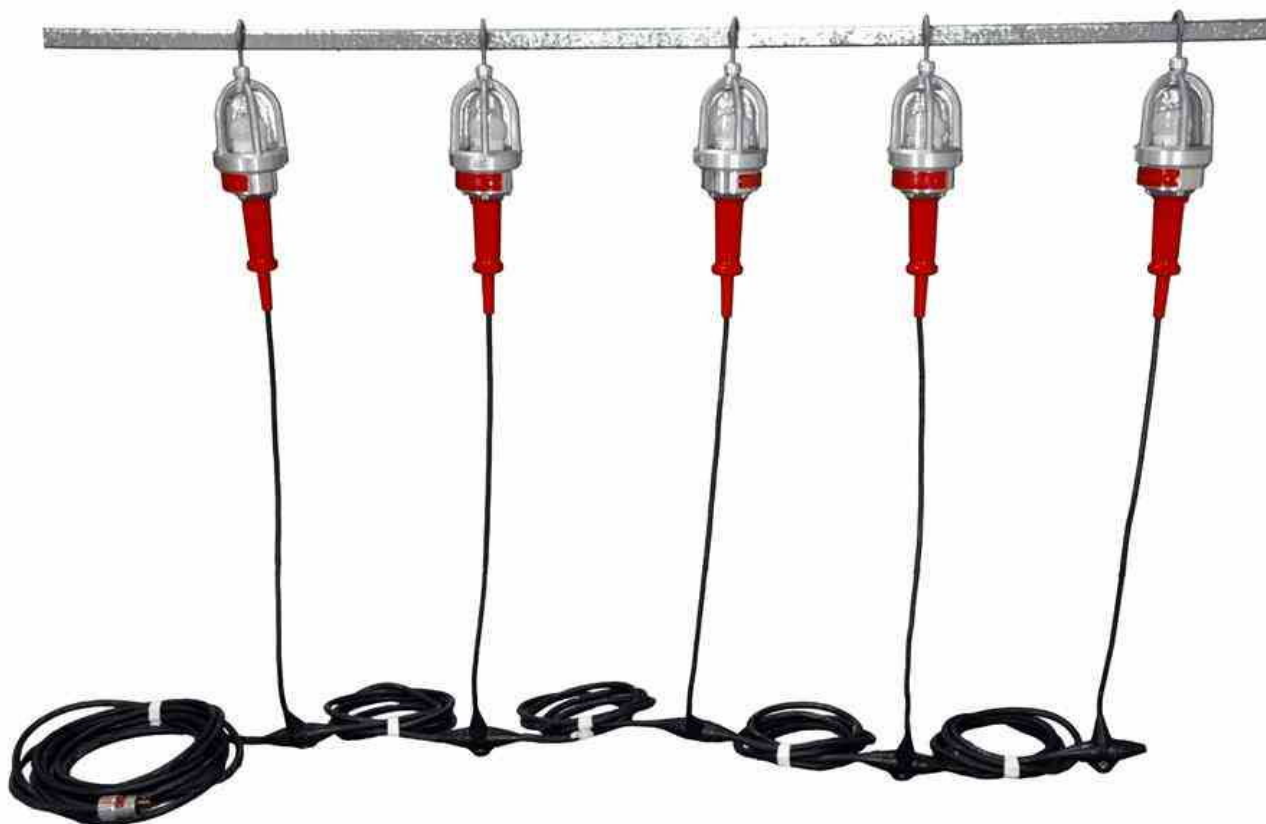
1. Federal Spec Cord.
2. Explosion Proof.
3. Total of (10) 10 watt LED Lamps.
4. Non-sparking aluminum construction.
5. UL Class 1 Div 1 Class 2 Div1
7. 120-277V AC or 12-24V DC Operation
8. SOOW cable.
9. Aluminum Hooks for Convenient Placement.
10. Daisy Chain Connections.

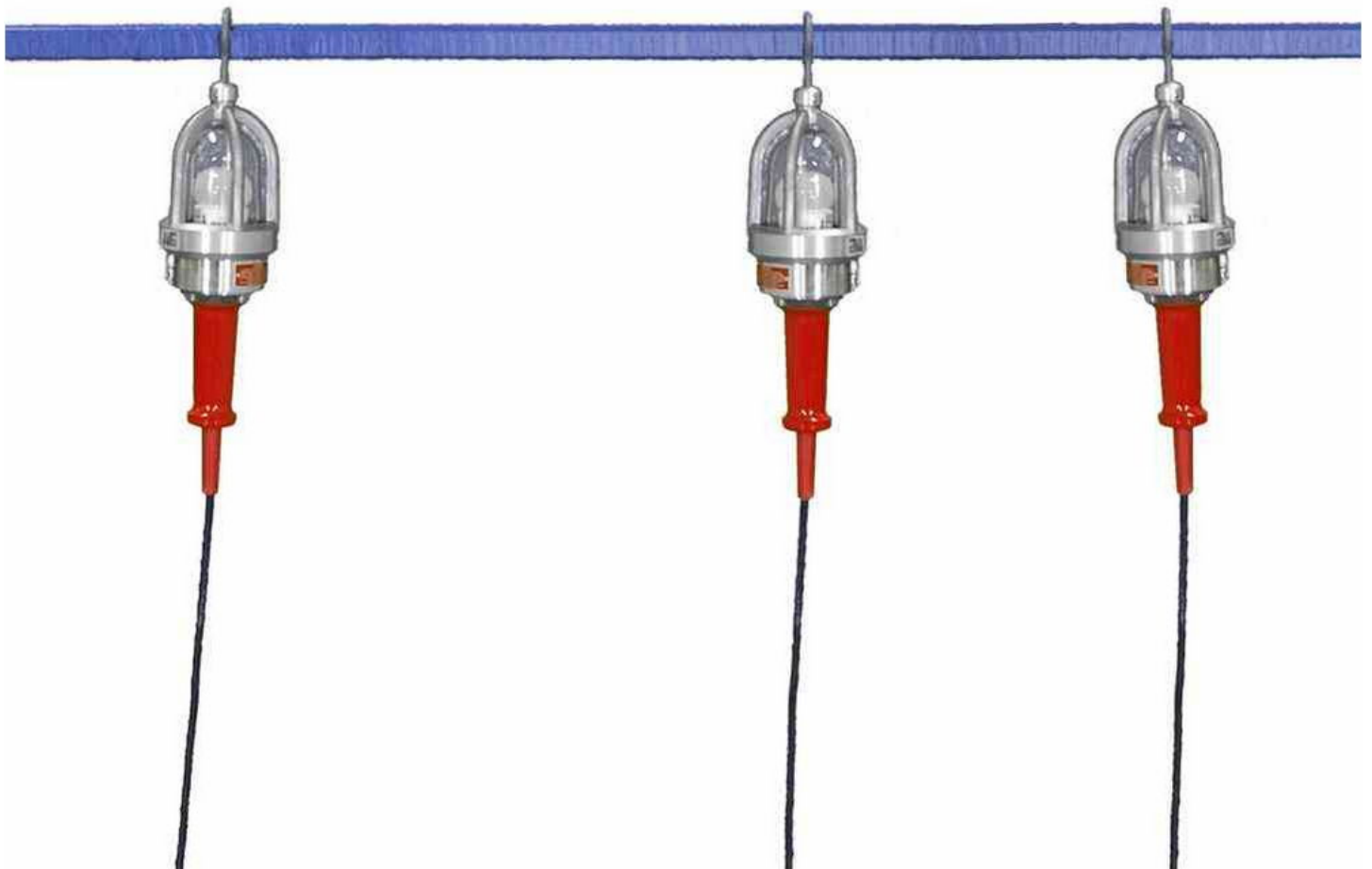
Lamp Features

- 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
- 12/3 SOOW Abrasion Resistant Cable

Frequently Asked Questions (FAQ)









EPL-SL-10-LED-12.3-E2E

Product ID: 105109

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-10-LED-12.3-E2E-Voltage-Cord Cap

Example: EPL-SL-10-LED-12.3-E2E-1227-1523

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

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

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