

EPL-SL-2-LED

Explosion Proof LED String Lights - 2 Hand Lamps - Class 1 & Class 2

Product ID: 153403

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-2-LED

Listing: United States

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

Single Lamp Weight: 6 lbs

Total Weight: 12 lbs

Voltage: 120-277V AC or 11-25V AC/DC

Total Watts: 20

Single Lamp Watt: 10 watts

Total Lumens: 2,100

Single Lamp Lumens: 1,050

Lamp Life: 50,000+ Hours

Luminous Efficacy: 105 Lm/W

Color Temp: 5600K

Amps: 0.42 120V AC

Globe Guard Material: Copper Free Cast Aluminum

Globe Material: Hardened Borosilicate Glass

Handle Material: Rubber

Mounting: Handheld / Hanging via Aluminum Hooks

Handlamp Wiring: 3` 14/3 SEOW Cable Drop from Backbone

Wiring: 20` 12/3 SEOW Cable - 10` between lamps - 10` input whip

Cord Cap: 5-15 or 6-20 Explosion Proof Plug

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

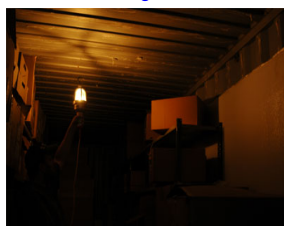
The Larson Electronics EPL-SL-2-LED Explosion Proof String Light set is UL Listed Class 1 Division 1 Groups C and D and is ideal for general close work and inspection activities in hazardous locations requiring explosion proof protection.

[Click here to see the Incandescent version of this light](#)

This explosion proof string light set from Larson Electronics contains a total of two 10 watt work lights equipped with aluminum hooks and connected in series along 20 feet of 12/3 SEOW 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 in a 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.

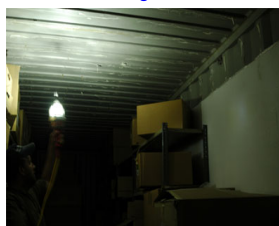


[Click Photos to Enlarge](#)



100 Watt Incandescent Bulb

[Click Photos to Enlarge](#)



With the EPL-SL-2-LED

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.

Safety within the workplace is another benefit of LED work lights and temporary lighting. All light sources produce heat. With traditional work lamps, such as incandescent and halogen light sources, the lamp reaches high surface temperatures. These surface temperatures introduce a burn risk to anyone to anyone that allows prolonged skin contact with the light source, as well as a fire hazard if a flammable material is accidentally set too close to the light source for an extended period of time. While LED fixtures do still produce heat, they are designed with heat sinks to properly disperse the heat. Each LED bulb is engineered to disperse and expel this heat quickly and efficiently, keeping the lamp cooler than traditional light sources. This explosion proof LED work light operates at a lower surface temperature than a comparable model with traditional light source, and thus does not present a significant burn risk if an operator or bystander accidentally brushed up against an exposed lamp, and reduce the fire hazard should they fixture accidentally come in contact with a flammable material for a short period of time. This significantly increases the safety within the work environment.

This unit incorporates two 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](#)



5-15 Straight Blade Plug

6-20 Straight Blade Plug

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 11-25V AC/DC, please choose your configuration below. A 10' input whip terminated in an explosion proof cord cap completes the explosion proof protection of this string light. Cord cap options include a 5-15 15 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.

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

Made in USA Quality

1. Federal Spec Cord.
2. Explosion Proof.
3. Total of (2) 10 watt LED Lamps.
4. Non-sparking aluminum construction.
5. UL Class 1 Div 1 Class 2 Div1
7. 120-277V AC or 11-25V AC/DC Operation
8. SEOOW cable.
9. Aluminum Hooks for Convenient Placement.

Lamp Features

- 20 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 SEOOW Abrasion Resistant Cable

Frequently Asked Questions (FAQ)



EPL-SL-2-LED

Product ID: 153403

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-2-LED-Voltage-Cord Cap

Example: EPL-SL-2-LED-1227-1523

Voltage	
120-277V AC	-1227
12V DC	-12VDC
24V DC	-24VDC

Cord Cap	
5-15	-1523
5-20	-2023-125V
6-20	-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](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [HigResPic5](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)