Larson Electronics LLC
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EPL-SL-10-LED-50

Explosion Proof LED String Lights - 10 lights - Class 1 Division 1 and Class 2 Division 1 -50ft Whip

Product ID: 106143

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-50
Listing: United States
Dimensions- Each Lamp: L-16.5" Diam-5"
Total Watts: 100
Single Lamp Watt: 10 watts
Voltage: 120-277V AC or 11-25V AC/DC
Amps: 0.84 120V AC

Mounting: Handheld / Hanging via Aluminum Hooks

Wiring: 140` 14/3 SOOW Cable - 10` between lamps - 50` input whip

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

Total Length: 140`

Single Lamp Weight: 6 lbs

Total Weight: 75 lbs

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-10-LED-50 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 ten

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10 watt work lights equipped with aluminum hooks and connected in series along 90 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 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. An 50 foot tail section of main SOOW cord is included to allow ample length for connection to power sources.

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-50

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.

Click Photos to Enlarge



5-15 Straight Blade Plug



6-20 Straight Blade Plug

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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. A 50` 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

	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
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

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 11-25V AC/DC Operation
8. SOOW cable.
9. Aluminum Hooks for Convenient Placement.

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

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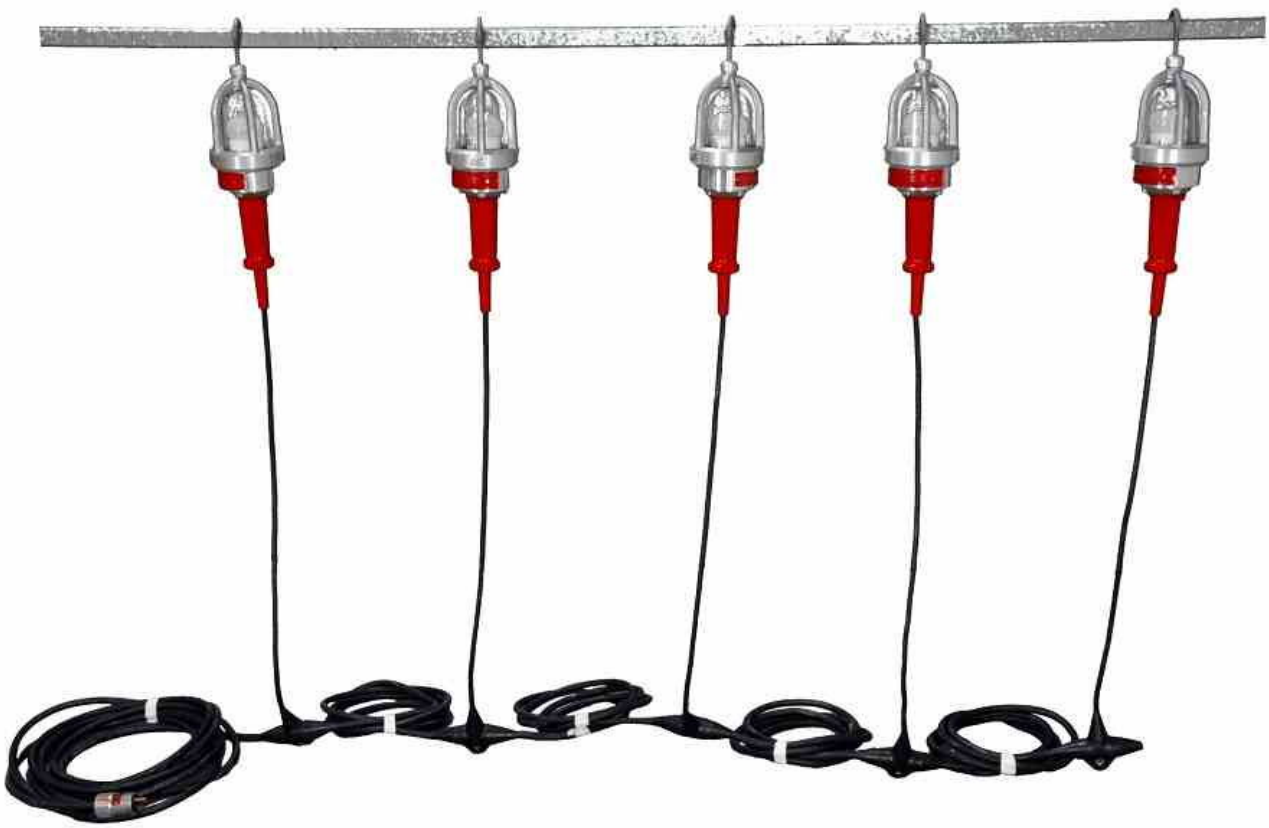
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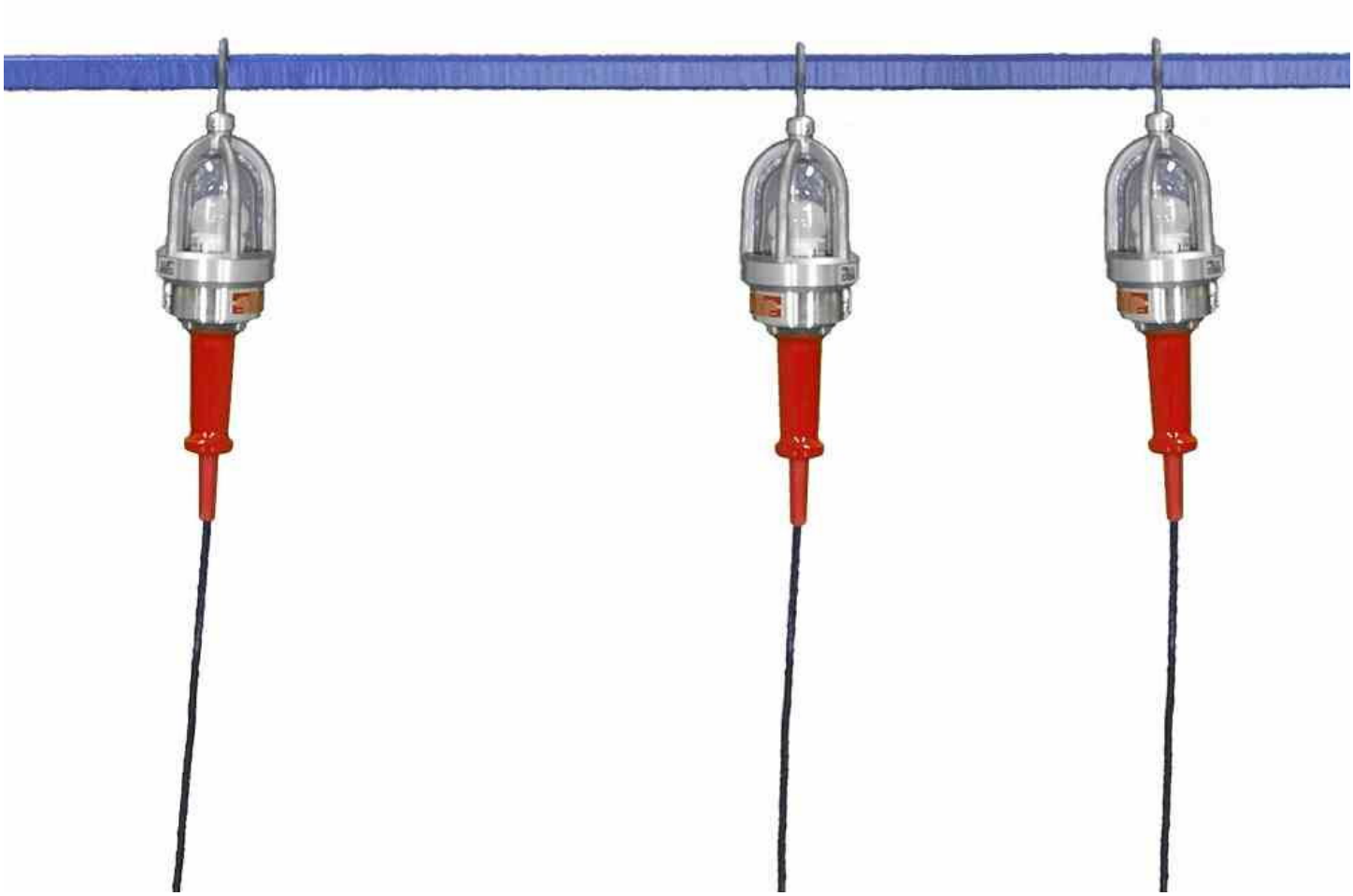
Frequently Asked Questions (FAQ)

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EPL-SL-10-LED-50

Product ID: 106143

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

Options:

EPL-SL-10-LED-50-Voltage-Cord Cap

Example: EPL-SL-10-LED-50-1227-1523

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

Cord Cap	
5-15	-1523
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**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**