

EPL-SL-5

Explosion Proof String Lights - Class 1 & 2, Division 1 - 5 Drop Lights

Product ID: 46951

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

Listing: United States

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

Total Watts: 500, 375, or 130 Depending on Lamps

Single Lamp Watt: 26, 75 or 100 watts

Voltage: Stnd-120VAC-60Hz, 220VAC-50Hz, or 240VAC-60Hz

Amps: 4.17 (100W), 3.13 (75W), or 1.09 (26W) @ 120V AC

Mounting: Handheld / Hanging via Aluminum Hooks

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

Total Length: 50'

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

Single Lamp Weight: 5lbs

Total Weight: 40lbs

Ratings

Class 1, Division 1, Groups C, D (100W)

Class 1, Division 2, Groups C, D (100W)

Class 2, Division 1, Groups, F, G (75W)

Class 2, Division 1, Groups, F, G (75W)

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 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 LED version of this light](#)

This explosion proof string light set from Larson Electronics contains a total of five, 26 watt, 75 watt or 100 watt work lights depending upon configuration, 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 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.



100 Watt Incandescent Bulb

[Click Photos to Enlarge](#)



Molded T Connector w/ Hook Ring

[Click Photos to Enlarge](#)



10' whip w/ EXP Plug

[Click Photos to Enlarge](#)

This unit incorporates ten explosion proof 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 with the 100 watt bulb option and Class II, Division 1 Groups F and G with a 60 Watt bulb maximum for compliance to the Class 2 rating. This unit qualifies for both Class 1 Division 1 and Class 2 Division 1 with the optional 26 Watt Compact Fluorescent bulb. Choose your lamp wattage and type below when ordering. This unit can also be ordered in 120VAC, 220VAC or 240VAC configuration for operation with these voltages. A 25' 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

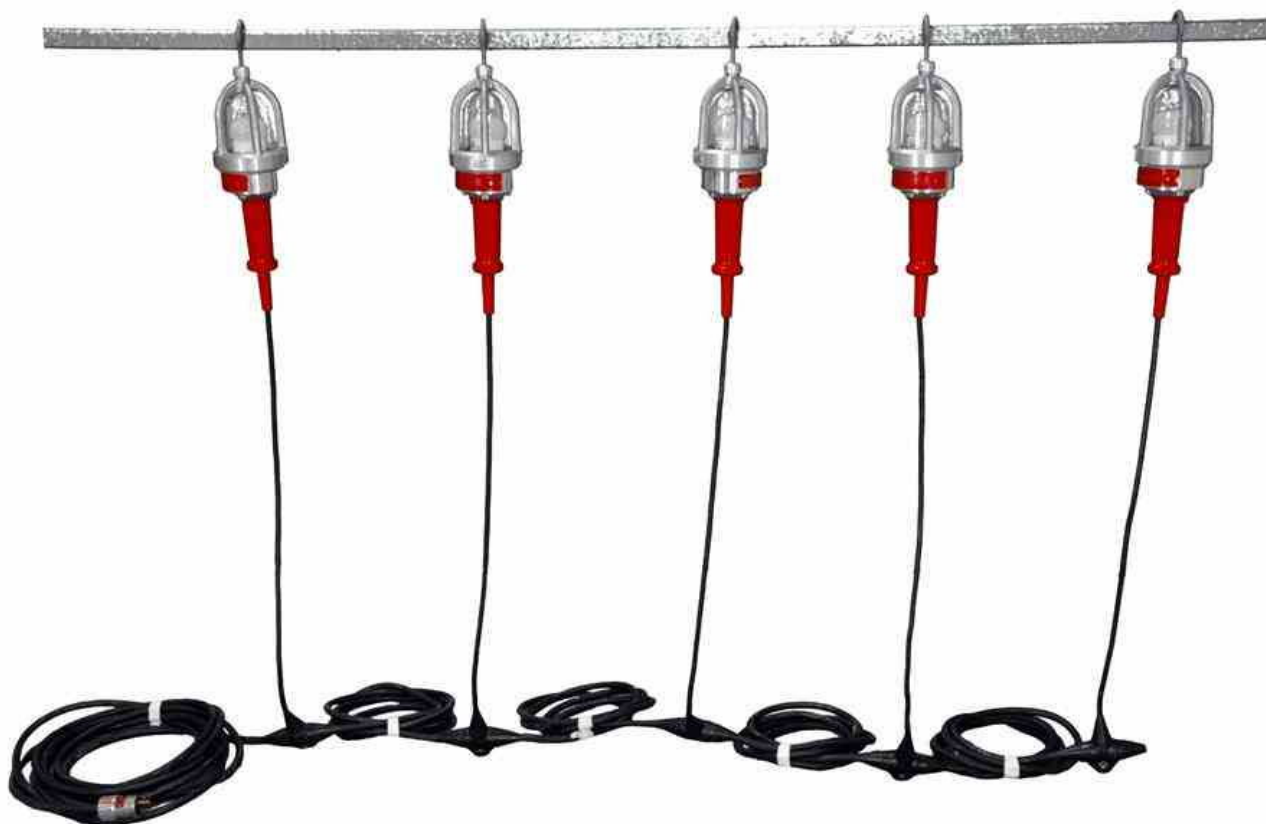
1. Federal Spec Cord.
2. Explosion Proof.
3. Total of 5- 100 watt, 75 watt or 26 Watt Lamps.
4. Non-sparking aluminum construction.
5. UL Class 1 Div 1 Class 2 Div1
7. 120VAC Operation
8. SOOW cable.
9. Aluminum Hooks for Convenient Placement.

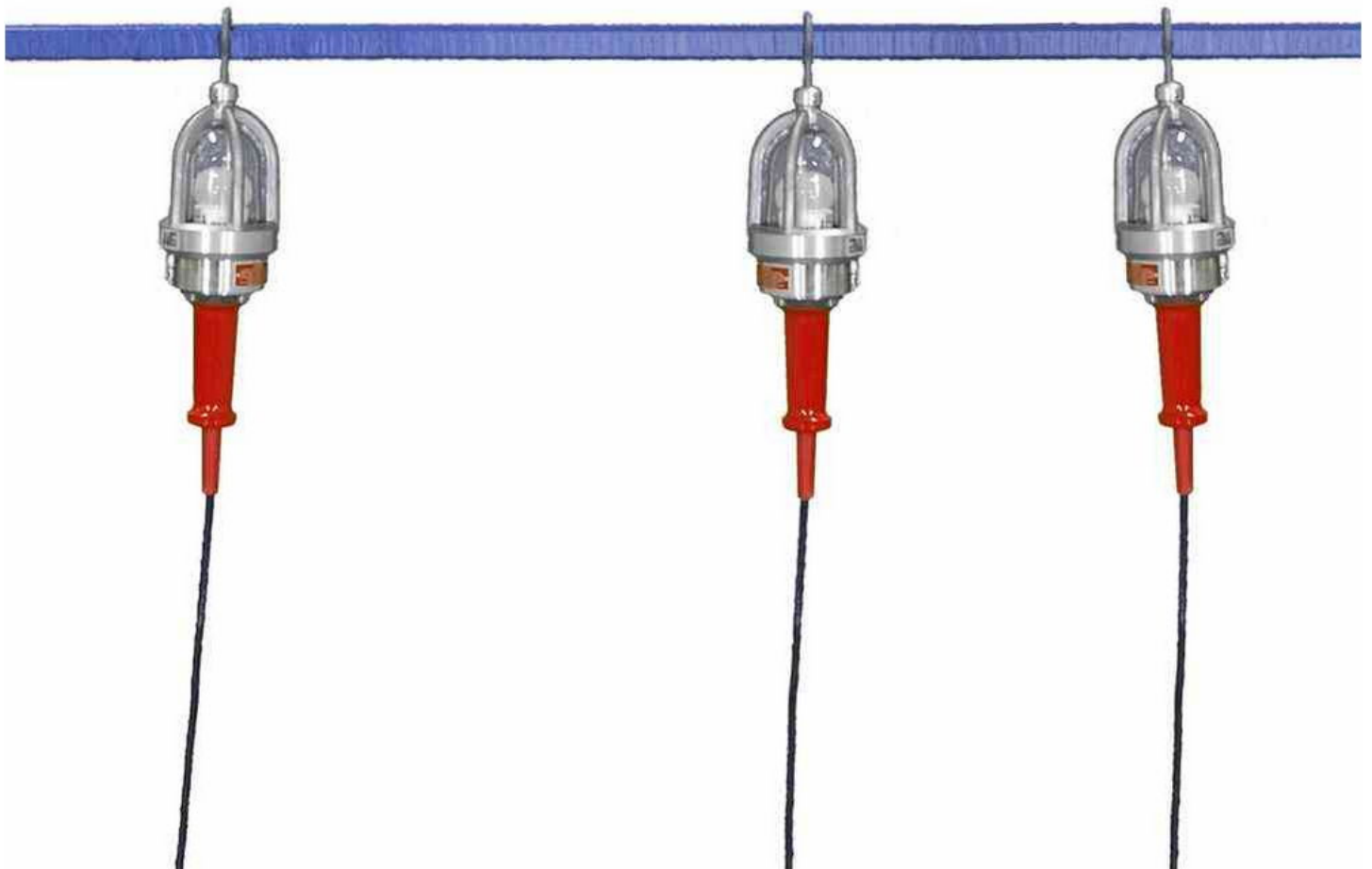
Lamp Features

Up to 500 watts of 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

Product ID: 46951

Warranty: 36 Months

Harmonized System (HS) Code: 85131000

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SL-5-Wattage-Voltage

Example: EPL-SL-5-60W-120V

Wattage	
60W (CLASS II)	-60W
100W (CLASS 1)	-100W
26W CFL	-26WCFL

Voltage	
120V60HZ	-120V
220V50HZ	-220V
240V/60HZ	-240V
12V	-12V
24V	-24V

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [Operations Manual](#)
- [SpecSheetArabic](#)
- [SpecSheetFrench](#)
- [STEP File \(3D CAD Model\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [Video1](#)
- [Video2](#)
- [Video3](#)
- [Video4](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)