Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPL-SL-6-LED-E2E

Explosion Proof LED String Light - Class I, II, III - (6) Lamps - Daisy Chain End-2-End Connection - 60ft Stringer

Product ID: 278314

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-6-LED-E2E Explosion Proof String Light

Listing: NRTL Listed for United States & Canada
Lamp Qty: (6)
Dimensions (per Lamp): L-16.5" Diam-5"
Weight: -
Voltage: 120V AC, 240V AC or 12-24V DC
Total Watts: 60W
Single Lamp Watts: 10W
Total Lumens: -
Luminous Efficacy: -
Lamp Life: 50,000+ Hours
LED Color Temperature: -
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 360°
Lighting Configuration: Flood
Amps: 0.5A @ 120V, 0.25A @ 240V
Ambient Operating Temp Range: -
Temp Rating: -
Materials: Non-sparking Aluminum (Housing), Tempered Glass (Globe)
Mounting: Handheld / Hanging via Aluminum Hooks
Wiring: 60` 14/3 SOOW Cable w/ EXP Plug and Outlet

Ratings

Class I, Divisions 1 & 2, Groups C, D
Class II, 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

Cord Cap: 20A EXP Plug

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-SL-6-LED-E2E Explosion Proof String Light provides powerful illumination in combustible sites and temporary mounting applications. Equipped with six, 10-watt explosion proof LED lamps, this unit is constructed of non-sparking aluminum and tempered glass. The NEMA rated unit is recommended for Class I, II and III rated work areas.

Click here to see the Incandescent version of this light

This explosion proof string light set from Larson Electronics contains a total of six, 10-watt work lights equipped with aluminum hooks and connected in series along 60 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 I, Division 1 explosion proof plug for complete protection. With this arrangement, each drop light cannot spark if pulled apart or dragged. A 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 conenct multiple units end to end, allowing operators to daisy chain multiple stringers together along the jobsite.



100 Watt Incandescent Bulb



Molded T Connector w/ Hook Ring



With the EPL-SL-6-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 six 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.

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

Voltage: This unit is multi-voltage and configured to operate on 120-277V AC or 12-24V DC, please choose your configuration below.

Wiring/Power: 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 15 units end to end in 120 volt or 30 units in 240 volt configurations. Up to three units in 24 volt AC/DC can be connected end to end.

Mount: Each explosion proof LED light on the string contains a top-located hook for temporary mounting on poles, rails, racks, chains and small openings.

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)







Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



EPL-SL-6-LED-E2E

Product ID: 278314

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

Options:

EPL-SL-6-LED-E2E-Voltage

Example: EPL-SL-6-LED-E2E-120V

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

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map