Larson Electronics LLC
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EPL-SL-5-FL1524-LED-E2E

Explosion Proof LED Aluminum String Lights - Class 1 Div 1 - 5 Lights - Daisy Chain - 2' Drop Lights

Product ID: 105396

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-FL1524-LED-E2E String Lights

Listing: United States
Lamp Type: LED
Dimensions- Each Lamp: 27-" x 3.25"-Dia
Single Lamp Weight: 4.5 lbs
Total Weight: 55 lbs
Voltage: 120-277V AC or 11-25V AC/DC
Total Watts: 75W
Single Lamp Watt: 15W
Total Lumens: 9,000
Single Lamp Lumens: 1,800
Lamp Life: 50,000+ Hours
Luminous Efficacy: 120 Lm/W
Lamp Lengths: 2 Foot
Color Temp: 5600K
Amps: 0.63 120V AC
Housing Material: Copper Free Aluminum w/ Aluminum Bump Guards
Globe Material: Hardened Borosilicate Glass
Mounting: Handheld / Hanging via Aluminum Hooks
Handlamp Wiring: 2` 16/3 SOOW Cable Drop from Backbone

Ratings/Approvals

Class 1, Division 1 & 2 for Group D
Class II, Division 1 Groups E, F, G
Class III, Division 1 & 2

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

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

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

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-SL-5-FL1524-LED-E2E Hazardous Area LED String Light Set is Class 1 Division 1 & 2 listed. The 2 foot long 15 watt LED tube lamps on this this hazardous location light set provide higher quality light than higher wattage incandescent lights and more light than previous fluorescent lamp equipped models. This string light set is suitable for exposure to vapors and dusts and ideal for use in confined spaces like fuel tanks or grain storage areas and inspection activities in hazardous locations requiring explosion proof protection.

This 5 lamp explosion proof LED string light set from LarsonElectronics.com contains a total of five 15 watt 2` LED work lights equipped with aluminum hooks and connected in series along 40 feet of 14/3 SOOW explosion proof cord. Each lamp on this hazardous location area stringer features a rugged, non-sparking aluminum casing and unique rod cage and produces cool, glare-free, shadowless light that improves safety in hazardous locations and maximizes lighting efficiency with built-in metal reflectors. 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 10 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.
These LED lights improve on the desirable qualities of similar fluorescent models with higher output and better light quality and are ideal for paint booth applications, storage container inspections, and applications involving confined spaces such as tank cleaning and industrial container maintenance.The high light output, good light color and evenness of coverage makes these string lights ideal for a wide variety of close quarter work and inspection activities. These lamps are universal voltage and can operate on a range of voltages from 110 volts to 277 volts AC 50/60 Hz. We also offer a low voltage model that operates on 12-24 volts AC/DC.

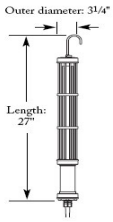


40` Container Dark

Click Photos to Enlarge



Container With EPL-SL-10-FL1524-LED



Click Photos to Enlarge

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.

The 15-watt LED lamp used in this unit provides as much illumination as higher-wattage incandescent lamps without the associated heat, reducing the chances of accidents or burns. This lamp has no ballast, which reduces lamp weight, an impact resistant tube shield with specially designed annealed glass, and an aluminum hook for easy overhead mounting. This unit incorporates (5) 15 watt LED drop lights connected in series and is suitable for use in areas where petrochemical vapors and various dusts are present. The output of this string light is stronger and of better quality than sets equipped with 100 watt incandescent bulbs, yet it uses only 15% as much electrical current.

Lamp Features

2 foot 15 watt LED Tube Lamp 50,000 hour service life
Non-sparking aluminum housing
No Ballast
Molded rubber bumper guards
Annealed glass tube shields prevent shattering
Integrated lamp shock absorbers prevent drop damage to bulbs
Swivel hook for hanging and hands free operation
14/3 Backbone with 16/3 Drops

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Frequently Asked Questions (FAQ)









EPL-SL-5-FL1524-LED-E2E
Product ID: 105396

Warranty: 36 Months

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

Options:
EPL-SL-5-FL1524-LED-E2E-Voltage
Example: EPL-SL-5-FL1524-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
- HigResPic8
- Video1
- Video2
- Video3
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map