

HAL-SL-10-LED

100ft Hazardous Location LED String Lights - 10 Lamps - Non-Metallic - Chemical Resistant - CID2

Product ID: 147438



Image: HAL-SL-10-LED

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.

HAL-SL-10-LED Hazardous Location LED String Light

Listing: United States
Lamp Type: LED
Dimensions- Each Lamp: 5.94" OD , 9.60" Height
Total Length: 125'
Total Weight: 150 lbs
Voltage: 120-277 Volts 50/60hz AC, 11-25V AC/DC
Total Watts: 100 Watts
Total Lumens: 10,500
Luminous Efficacy: 105 Lm/W
Lamp Life: 50,000+ Hours
Color Temp: 6000K
Ambient Operating Temp Range: -29°C to 40°C (-29°F to 104°F)
Operating Temp Rating: T2D
Mounting: Hanging Eye-bolt
Wiring: 90' 16/3 SOOW Cord - 25' Input Whip - 10' Output Whip
Cord Cap Options: 5-15P, 5-20P, 6-20P

Ratings/Approvals

Class I, Division 2 Groups A,B,C,D
UL 595: Marine
UL 844: Class I Division 2 Hazardous Location
UL 1570/1571: Wet Locations
NEMA 4X
USCG Accepted
CSA Certified
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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Made in Texas

The Larson Electronics HAL-SL-10-LED Explosion Proof LED String Light set is UL Listed Class I Division 2 Groups A, B, C and D and is ideal for temporary work lighting and inspection activities in hazardous locations requiring explosion proof protection.

This 100 watt explosion proof LED string light set from Larson Electronics produces a total combined output of 10,500 lumens of bright white light. Ten, 10 watt LED work lights equipped with hanging eye-bolts are connected in series along 90 feet of 16/3 SOOW explosion proof cord. An explosion proof outlet allows these string lights to be connected end to end, allowing operators to

add additional lights at the end. The power cord on this unit is terminated in a Class I, Division 1 explosion proof plug on the input lead and an explosion proof receptacle on the output lead for total explosion proof protection. There is no ballast with this LED string light and the housing on each lamp is constructed of non sparking aluminum which helps to keep weight to a minimum while affording good durability.

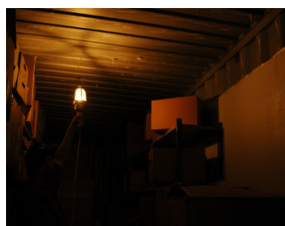
This hazardous location light string is Class I, Division 2 hazardous location environment approved and is ideal for hazardous work areas where a ready source of easily managed lighting is desired.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



100 Watt Incandescent Bulb



With the HAL-SL-10-LED

This unit incorporates ten 10 watt LED jelly jar lights connected in series and is suitable for use in areas where petrochemical vapors and various dusts are present. Each LED lamp projects 1050 lumens of light, for a combined total of 10,500 lumens from all ten. The output of this string light is stronger and of better quality than sets equipped with 100 watt incandescent bulbs, yet it uses only 10% as much electrical current.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. 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 is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

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 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 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.

Stringer Energy Consumption Comparison (Single Stringer)

	<u>Incandescent</u>	<u>CFL</u>	<u>LED</u>
Wattage (single unit)	100 watts	26 watts	10 watts
Wattage (total)	1000 watts	260 watts	100 watts
Amp Draw @ 120V AC	8.33 amps	2.17 amps	0.83 amps
Amp Draw @ 220V AC	4.55 amps	1.18 amps	0.45 amps
Amp Draw @ 240V AC	4.17 amps	1.08 amps	0.42 amps
Amp Draw @ 24V AC	41.67 amps	10.83 amps	4.17 amps
Lamp Life Expectancy	1,500 hours	8,000 hours	50,000 hours
Color Temperature	2800K	4300K	6000K
Operation cost per day (12hs/day @ 12c/kWh)	\$1.44	\$0.37	\$0.14
Operation cost per month (12hs/day @ 12c/kWh)	\$43.20	\$11.23	\$4.32
Operation cost per year (12hs/day @ 12c/kWh)	\$525.60	\$136.66	\$52.56

The lamps in this unit are high efficiency LEDs which require no ballast, so there is no inline lamp hardware to manage. This hazardous location LED string light will operate on any voltage ranging from 120 Volts AC to 277 Volts AC on 50/60 Hz. We also offer this light with 11-25 Volts AC/DC. The light produced by this unit has a 6000k color temperature, which is much sharper and whiter than the light produced by incandescent lamps.

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5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof LED string light is equipped with a 25 foot whip of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 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. *****PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.***

These lights carry a T2D temperature rating and have a -29°C to 40°C (-29°F to 104°F) operating temp range. The HAL-SL-10-LED carries UL 1570/1571 and UL 595 compliance and is waterproof and suitable for spray down areas and marine locations. This LED string light carries UL and CSA certification, USCG acceptance, UL 1570/1571 approval for wet locations in any orientation, UL595 approval for marine environments, and NEMA 4X compliance for hose down areas.

The LED lamp in this unit offers exceptional power, a 50,000+ hour life span, and is protected by a Pyrex globe and polycarbonate globe guard. The HAL-SL-10-LED is designed for resistance to the damaging and corrosive effects of chemicals with polycarbonate construction instead of metal and is ideal for locations where these hazardous compounds are commonly encountered.

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.

Made in USA Quality

1. Federal Spec Cord.
2. Explosion Proof.
3. (10) 10 Watt LED Lamps for 10,500 Total Lumens.
4. UL Class I Div. 2
5. 120-277 Volt Operation

Lamp Features

Each 10 watt LED light produces 1050 lumens
Non-metallic housing
50,000 hour LED Lamp
Swivel hook for hanging and hands free operation
Explosion proof cord



- 6. SOOW cable.
- 7. EXP plug and outlet for end to end use
- 8. Aluminum Hooks for Convenient Placement.



Frequently Asked Questions (FAQ)

There are no Faqs