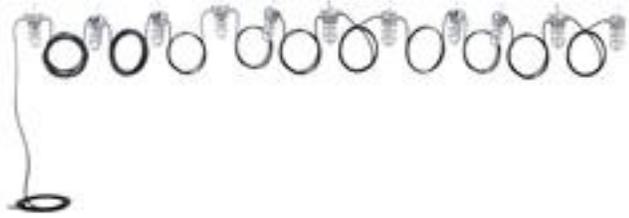


320' C1D2 Hazloc LED String Lights - 11 Lamps - Chemical Resistant - 12/3 SOOW Cord w/ Blunt Cut End

Part #: HAL-SL-11-12.3-MDES-NP



Made in Texas

The HAL-SL-11-12.3-MDES-NP from Larson Electronics is an Explosion Proof LED String Light Set that is UL approved for Class I Division 2 Groups A, B, C and D environments, making the unit ideal for temporary work lighting and inspection activities in hazardous locations requiring explosion proof protection. These explosion proof string lights come with 320 feet of 12/3 SOOW explosion proof cord equipped with blunt cut ends so that operators can install their own cord caps or equipment. This luminary features eleven, 10-watt LED lamps that are connected together to form a single lighting system.

This 110-watt explosion proof LED string light set from Larson Electronics produces a total combined output of 11,550 lumens of bright white light. Eleven, 10-watt LED work lights equipped with hanging eye-bolts are connected in series along 320 feet of 12/3 SOOW explosion proof cord. The power cord on this unit is terminated in blunt cut ends for customer provided cord caps and equipment. This LED string light does not rely on a ballast for operation. The housing on each lamp is constructed of non sparking aluminum, which helps maintain its lightweight and durable features.

This hazardous location string light 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-11-12.3-MDES-NP**

This unit incorporates eleven, 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 1,050 lumens of light, for a combined total of 11,550 lumens. 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)	800 watts	208 watts	110 watts
Amp Draw @ 120V AC	6.67 amps	1.73 amps	0.67 amps
Amp Draw @ 220V AC	3.64 amps	0.95 amps	0.36 amps
Amp Draw @ 240V AC	3.33 amps	0.87 amps	0.33 amps
Amp Draw @ 24V AC	33.33 amps	8.67 amps	3.33 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)	\$1.15	\$0.30	\$0.12
Operation cost per month (12hs/day @ 12c/kWh)	\$34.56	\$8.99	\$3.46
Operation cost per year (12hs/day @ 12c/kWh)	\$420.48	\$109.33	\$42.05

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.

Wiring: This explosion proof LED string light is equipped with a 5 foot input whip of 12/3 chemical and abrasion resistant SOOW cord that is equipped with blunt cut ends so that operators may connect to any cord cap or equipment they choose.

****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-11-12.3-MDES-NP 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.

Chemical Environment	Compatibility Rating
Automotive-Related Environments	
Diesel Fuel	Excellent
Gasoline	Excellent
Motor Oil	Excellent
Anti-Freeze (50%)	Excellent
Ethylene Glycol (100%)	Excellent
Windshield Washer Solvent	Excellent
Organic Solvents	
Acetone	Poor
Ethyl Acetate	Poor
Toluene	Excellent
Methylene Chloride	Poor
Methanol	Fair
Ethanol	Excellent
Freon® F113	Excellent
Acids	
36% Sulphuric (Battery)	Excellent
10% Sulphuric	Excellent
10% Hydrochloric	Excellent
100% Acetic	Fair
Bases	
10% Ammonium Hydroxide	Excellent
10% Sodium Hydroxide	Poor
Salt Solutions	
50% Aqueous Zinc Chloride	Excellent
10% Aqueous Sodium Chloride	Excellent
10% Zinc Chloride	Excellent

The LED lamps in this unit offers exceptional power, 50,000+ hour lifespans and are protected by a Pyrex globe and polycarbonate globe guard. The HAL-SL-11-12.3-MDES-NP 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.

Applications: Chemical and petrochemical plants, refineries, mines, offshore and land based rigs, power generation facilities, wastewater treatment facilities and more.

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. (11) 10 Watt LED Lamps for 11,550 Total Lumens.
4. UL Class I Div. 2
5. 120-277 Volt Operation.
6. SOOW Cable.
7. Aluminum Hooks for Convenient Placement.

Lamp Features

Each 10 watt LED light produces 1,050 lumens
 Non-metallic housing
 50,000 hour LED Lamp
 Swivel hook for hanging and hands free operation

Specifications / Additional Information

HAL-SL-11-12.3-MDES-NP Hazardous Location 320' LED String Light

Listing: United States

Lamp Type: LED

Dimensions- Each Lamp: 5.94" OD , 9.60" Height

Total Length: 320'

Total Weight: 120 lbs

Voltage: 120-277 Volts 50/60hz AC, 11-25V AC/DC

Total Watts: 110W (10 Watts per Lamp)

Total Lumens: 11,550

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: 320' 12/3 SOOW Cord - 5' Input Whip

Warranty: Yes - 3 Years*

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

11 Lamps

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

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[Part #: HAL-SL-11-12.3-MDES-NP \(147734\)](#)

Options:

HAL-SL-11-12.3-MDES-NP- VOLTAGE

Example: HAL-SL-11-12.3-MDES-NP-1227

VOLTAGE	
120-277V AC	-1227
12-24V DC	-1224

Links (Click on the below items to view):

- [Hi-Res Image 1 - 320ft C1D2 Hazloc LED String Lights](#)