200ft Hazardous Location LED String Lights
10 Lamps - Non-Metallic - Chemical Resistant - CID2
Instruction Manual

Thank you for your purchase of the Larson Electronics HAL-SL-10-20X-LED string lights.

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. WHEN EXTENSION CORD IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. IMPROPER USE OF THIS DEVICE, ASSOCIATED PLUG, RECEPTACLE, AND CORD CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

PERIODIC INSPECTION OF THE RECEPTACLE AND CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE OF THE UNIT.

ELECTRICAL POWER SUPPLY MUST BE “OFF” BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.

IF ANY PARTS OF THE RECEPTACLE OR PLUG APPEAR TO BE MISSING, BROKEN, OR SHOW SIGNS OR DAMAGE, DISCONTINUE USE IMMEDIATELY. REPLACE WITH THE PROPER REPLACEMENT PART(S) BEFORE CONTINUING SERVICE.

The HAL-SL-10-20X-LED from Larson Electronics is an Explosion Proof 200` LED String Light Set that 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.

MOUNTING

The HAL-SL-10-20X-LED from Larson Electronics is comprised of 10 LED work lights equipped with hanging eye-bolts or quick links attached to the rear mounting plate of each light. Open the eye bolt on each light and hang in the desired location as needed, closing each eye bolt securely once the light is in the desired location. The receptacle at the end of the string is also equipped with a hanging eye-bolt that facilitates mounting in the same way. This allows the user to attach another string light if needed for added distance, or any tools rated for the same voltage and equipped with a compatible explosion proof plug. See below for specifics on operating the explosion proof receptacle and plug within the hazardous area.



WIRING

We strongly encourage a licensed electrician install this product, in all locations, especially in outdoor areas where weatherproofing may be required.

Warning: *Check product label for correct input voltage!*

This unit comes pre-wired from factory with the selected cord cap. Take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. All outdoor installations and indoor installations near a wet location require the use of a GFCI device for safety, according to the National Electrical Code® (NEC). Ensure the unit is properly grounded. Follow all applicable local and national electrical and building code when installing to maintain safety within the hazardous area. 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 option is selected when ordering, check product labels for specifications before connecting to power source.

***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.*

Position device near work area for operation. Run cable to nearby power source outputting the correct voltage as identified on the product label. Insert and twist-lock explosion-proof plug into a compatible receptacle within the hazardous environment. *See plug operation below.*

PLUG OPERATION

Electrical connection between plug and compatible receptacle is accomplished after plug fully inserts into receptacle and is rotated clockwise.

1. Lift receptacle door and locate polarization on mating plug pin and receptacle face. Insert plug straight all the way into receptacle until it cannot go further.
2. Rotate plug clockwise limit (37º), this closes internal contacts and completes circuit. This also mechanically locks plug into receptacle so it cannot be pulled out.
3. To remove plug, push plug inward and turn to counterclockwise, pull plug straight out.

OPERATION

The lamps are “instant-on” and will illuminate once power is supplied.

LAMP REPLACEMENT

1. Loosen and remove guard (Turn counter-clockwise).
2. Unscrew globe (Turn counter-clockwise).
3. Remove and replace bulb with matching lamp.
4. Inspect gasket(s). If worn or damaged, it must be replaced to insure watertight seal.
5. Screw globe completely onto lamp base (Turn clockwise).
6. Replace guard (Turn clockwise).



USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment. Always check for damaged or worn out parts before using the device. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The HAL-SL-10-20X-LED is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.