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HAL-LED-SOL12-STCHN.25-M1

Solar Power LED Hazardous Location Light - C1D2 - Stanchion Mount - 6' SOOW Cord

Product ID: 332961

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: HAL-LED-SOL12-STCHN.25-M1

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-LED-SOL12-STCHN.25-M1 Solar Powered Hazardous Location Light

Listing: NRTL Listed for United States and Canada
Operation: Automatic/Manual
Solar Panel Dimensions: 28.5"L x 14.5"W x 4.125"H
Lamp Dimensions: 3.88"-Diameter, 11.26" Height
Panel Watts: 30W
Lamp Watts: 10W (7W for colored or strobe)
Lumens: 1,050
Lamp Configuration: Steady burn OR strobing beacon
Materials: -
Lamp Mounting: 25° Stanchion Mount
Pole OD (Lamp Mount): 1", 1.25", 1.5", 2", 2.25", 2.375" or 2.5"
Panel Mounting: Flat Surface / Round/Square Pole
Battery: (2) 8aH sealed lead acid batteries
Charging Time: 5 Hours
Runtime: 12 Hours
Wiring: 6' SOOW Cord

Ratings For Light

Class I, Division 2 Groups A, B, C, D
NRTL Certified to UL 595: Marine Outside Type
NRTL Certified to UL 595: Marine Outside Type
NRTL Certified to UL 844: C1D2 hazardous Location
NRTL Certified to UL Listed to CSA 22.2-137
NEMA 4X
-29°C to 40°C Operating Temp
USCG Approved
T6 Rated

Special Orders - Special Requirements

Contact us for special requirements
Intl: 1-903-270-1187
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The Larson Electronics HAL-LED-SOL12-STCHN.25-M1 Solar Powered Hazardous Location LED Light is an ideal lighting solution for remote areas and standalone

applications where connection to external power is either impractical or unavailable. This unit provides 1,050 lumens of output during use, which can illuminate an area approximately 55’ long x 55’ wide.

This hazardous location LED light is powered by two 8aH sealed lead acid batteries that are recharged by a 30-watt solar panel. Light output comes from a 10-watt LED lamp that produces 1,050 lumens. This solar panel can be equipped with either a dusk to dawn day/night sensor, a motion sensor, an on/off switch, or configured to run 24/7. The day/night sensor is programmed to activate the solar panel in the evening and to shut it off during the day. The motion sensor will activate the panel upon detecting motion. The on/off switch will activate and shut off the solar panel according to the operator`s preferences.

The light runs for 12 hours when the battery is fully charged. Charging time for the sealed lead acid batteries is 5 hours when exposed to direct sunlight. Indirect sunlight will extend the charge time. As with all solar powered equipment, charging time is affected by the amount of available ambient light. When ambient light levels drop below a certain level, such as on cloudy days, the unit will not recharge as quickly. The battery pack is contained within the solar panel, not the light. Illumination produced by the explosion proof LED light will cover an area approximately 55’ long x 55’ wide when mounted 12 feet from the ground.



Stanchion Mount

Mounting



Round Pole



Square Pole



Surface

The hazardous area light (lamp fixture only) is Class I, Division 2 Groups A, B, C and D. These lights are also compliant with NEMA 4X standards and marine-rated for use in salt water environments. The high power LED cluster is protected by an internal cooling fin array that reduces heat build for longer LED life and higher light output consistency.

Chemical Resistance Chart

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

This hazardous location LED light contains an LED bulb that can serve to illuminate small work areas or draw attention to towers and other structures from a distance. This C1D2 LED light can be configured for steady burn or strobing applications. The lamp housing is waterproof, constructed of corrosion and chemical resistant GE Lexan polycarbonate with Pyrex globe, USCG accepted and NEMA 4X compliant and suitable for hose-down areas.

Wiring: The fixture ships with 6 feet of SOOW cable and custom lengths are available upon request. Please contact us for special requirements.

Lamp Mount: The LED lamp features a 25-degree stanchion mount. Pole OD options include: 1", 1.25", 1.5", 2", 2.25", 2.375" or 2.5".

NOTE: Larson Electronics has further upgraded the options available with this light. We expect the light to be mounted separately from the panel. This means the solar panel can be mounted in direct sunlight (not in the hazardous area) while the light is mounted in a hazardous area workspace. Standard installation for explosion proof lighting, including threaded rigid pipe to the LED light fixture and appropriate seal-offs, etc. are required.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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HAL-LED-SOL12-STCHN.25-M1

Product ID: 332961

Export Control Classification Number (ECCN): EAR99

Options:

HAL-LED-SOL12-STCHN.25-M1-Lamp Color-Pole OD-Configuration
Example: HAL-LED-SOL12-STCHN.25-M1-RED-1IN-STEADY-Day.Night

Lamp Color	
RED	-RED
AMBER	-AMB
WHITE	-WHT
BLUE	-BLU
GREEN	-GRN

Pole OD	
1 INCH	-1IN
1.25 INCH	-1.25IN
1.5 INCH	-1.5IN
2 INCH	-2IN
2.25 INCH	-2.25IN
2.375 INCH	-2.375IN
2.5 INCH	-2.5IN

Configuration	
STEADY DAY/NIGHT	-STEADY-Day.Night
STEADY ON/OFF	-STEADY-On.Off
STEADY 24/7	-STEADY-24.7
STEADY/MOTION	-STEADY-MOTION
STROBE DAY/NIGHT	-STROBE-Day.Night
STROBE ON/OFF	-STROBE-On.Off
STROBE 24/7	-STROBE-24.7
STROBE/MOTION	-STROBE-MOTION

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/332961.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/332961.ZIP)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/332961.JPG)
- **Video1**(https://www.youtube.com/watch?v=LG6q3JQrl5s)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)