

HALSB-CRNM-LED10W-MS

10W Chemical Resistant Strobe LED Light - C1D2/C1D2 - Corrosion Resistant - Motion Sensor

Product ID: 153261

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.

HALSB-CRNM-LED10W-MS Hazardous Location Non-Metallic LED Strobe Light

Unit Type: Explosion Proof Light

Lamp Dimensions (Ceiling Mount): 10.84"H x 4.75"OD

Lamp Dimensions (Wall Mount): 7.3"L x 5.19"W x 12.26"H

Motion Detector Dimensions: 7"-W x 5"-H x 9"-D

Detection: Motion

Detection Coverage: 15` x 15` (when mounted at 16`)

Tilt Angles: -90° to +30° in elevation

Voltage: 120V, 220-240V, 12V DC or 24V DC

Output Hold Time: 0.5 seconds to 15 minutes (Adjustable)

Mains Frequency: 50/60 Hz

Radiated Frequency: 5.8 GHz

Ratings/Approvals

Listed for United States and Canada

Class I, Division 2, Groups A, B, C, D

Class I, Zone 2, Groups IIC, IIB, IIA

Class II, Division 2, Groups F, G

IP66

NEMA 3, 4, 4X

UL 844 Hazardous Locations

UL 1598/UL 1598A Marine

CSA C22.2 No. 137 Hazardous Locations

UL 94-V-0 Flame Retardant

USCG Accepted

ABS Type Approved

New York City Department of Buildings Approved

Motion Sensor

Lamp Type: A19 LED

Lamp Watts: 10W

Lumens: 1,050

Luminous Efficacy: 105 Lm/W

Lamp Life: 50,000+ Hours

Color Temp: 6000K, 4500K, 3000K, Red, Blue, Amber or Green

Color Rendering Index: >80 CRI

Beam Angle: Omni-Directional

Lighting Configuration: Strobe

Power Efficiency: >95%

Power Factor: 0.992

Amp Draw: 0.083A @ 120V, 0.042A @ 240V, 0.42A @ 24V

Ambient Operating Temp Range: -50° C to +85° C
Operating Temp Rating: T2D
Housing Material: Polycarbonate
Lens Material: Hardened Borosilicate Glass
Mounting: Ceiling or Wall
Wiring Hub: 3/4" NPT
Weight: 9 lbs

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The HALSB-CRNM-LED10W-MS Chemical Resistant LED Strobe Light w/ Motion Sensor from Larson Electronics is designed for notification lighting in hazardous locations. This Class I/II, Division 2 rated unit is IP66 waterproof and is capable of detecting movement in a 15` x 15` target area when mounted from 16`. Operators may choose the preferred voltage, mounting system (ceiling or wall) and light color, when ordering the explosion proof luminary.

The durable explosion proof LED strobe light is highly suitable for industrial applications, hazardous work spaces and areas where gases and vapors may be present. The 10-watt LED lamp produces nearly 3 times the illumination of incandescent lamps, as measured in foot candles, at less than 1/10th of electricity usage without the associated heat. The housing on the LED luminary is constructed of corrosion and chemical resistant polycarbonate with Pyrex globe. The HALSB-CRNM-LED10W-MS comes with a powerful motion detection feature that automates the light`s sensing capabilities. The sensor provides up to 15` by 15` coverage when mounted at a height of 16 feet. The detector component is constructed of copper-free, non-sparking aluminum with a glass window for motion detection. This sensor can be adjusted -90° to +30° vertically after installation. The explosion proof housing provides two 1/2" or 3/4" hub openings located on either side of the housing for running electrical conductors in a feed-through configuration. A bushing seal at each conductor opening prevents damage to wiring insulation.

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

[Click Photo to Enlarge](#)

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.

Applications: Strobing signals, notification lighting, warning system light, entry/exit notification light, security detection system, monitoring system in hallways, paths and rooms in hazardous locations.

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.



Frequently Asked Questions (FAQ)







HALSB-CRNM-LED10W-MS

Product ID: 153261

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HALSB-CRNM-LED10W-MS-Voltage-Mount-Color

Example: HALSB-CRNM-LED10W-MS-120V-CLG-60K

Voltage	
120V	-120V
220-240V	-220-240V
12V DC	-12VDC
24V DC	-24VDC

Mount	
CEILING	-CLG
WALL	-WAL

Color	
6000K WHITE	-60K
4500K WHITE	-45K
3000K WHITE	-30K
RED	-RED
BLUE	-BLU
AMBER	-AMB
GREEN	-GRN

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)