

Class 1, Division 2 Chemical Resistant Incandescent Light - 100 Watts - Non-Metallic

Part #: HAL-CRNM-100W

**Made in the USA**

The HAL-CRNM-100W Class 1, Division 2 Chemical Resistant Incandescent Light from Larson Electronics is UL rated Class 1 Division 2, and designed with a non-metal housing for resistance to chemicals and corrosion. This waterproof fluorescent bulb equipped light is pendant, ceiling, or wall mounted, and available in 120-240 VAC voltage configurations.

The powerful and durable HAL-CRNM-100W explosion proof light from Larson Electronics is ideal for industrial applications, hazardous work spaces, and areas where gases and vapors may be present and a reliable and durable general purpose incandescent light solution is needed. 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. This unit is fitted with a 100 watt incandescent lamp for long life, efficiency, and cool operation and is available in 120-220- 240 VAC and 12/24 VDC configurations for operation with standard and low voltages.

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 area light carries a T2D temperature rating and has a -29C to 40C (-29F to 104F) operating temp range. The HAL-CRNM-100W carries UL 1570/1571 and UL 595 compliance and is waterproof and suitable for spray down areas and marine locations. Wiring is through 3/4" NPT hubs. This light carries UL and CSA certification, UACG 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 100 watt incandescent lamp in this unit offers high output, and is protected by a Pyrex globe and polycarbonate globe guard. We also offer this fixture fitted with compact fluorescent and LED bulbs for higher efficiency and longer life than incandescent bulbs. The unit shown is ceiling mount, and we offer pendant and wall mount versions as well for added installation versatility. The HAL-CRNM-100W 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.

Voltages: 120-240VAC 50/60Hz - 12/24 VDC. Wiring is through 3/4" NPT hubs.

Temp Code: Class 1 T2D 215°F (Do not install where the operating temperature exceeds the ignition temperature of the hazardous atmosphere).

Specifications / Additional Information

HAL-CRNM-100W

Lamp Type: Incandescent

Lamp Dimensions: 5.94" OD , 9.60" Height (Ceiling Mount)

Lamp Weight: 3 lbs

Lamp Watts: 100 Watts

Lumens: Approx: 1500

Lighting Configuration: Steady Burn

Lamp Life: Approx 1,000 Hours

Voltage: 120 Volts 60hz AC, 240 Volts AC, 12/24 VDC

Mounting: Ceiling, Wall, Pendant

Wiring Hub: 3/4" NPT

Temp Rating: T2D

Ambient Temp Rating: -40°C to +85°C

Ratings/Approvals

Class 1, Division 2 Groups A,B,C,D

UL 1570

UL 595: Marine Outside Type

UL 844: Class1 Division 2 Hazardous Location

UL Listed to CSA 22.2-137

NEMA 4X

USCG Accepted

CSA Certified

New York City Department of Buildings Approved

Material meets UL 94-V-0 standards for flame retardancy

UL for Safety for Supplemental Requirements for Luminaires for Installation on Marine Vessels

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

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[Part #: HAL-CRNM-100W \(50594\)](#)



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- [Hi-Res Image 1](#)
- [Hi-Res Image 2](#)
- [Hi-Res Image 3](#)
- [Hi-Res Image 4](#)
- [Hi-Res Image 5](#)
- [Hi-Res Image 6](#)
- [Hi-Res Image 7](#)

