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HAL-CRNM-STR-15W-LED

15W High Intensity LED Indicator Light for Hazardous Locations - C1D2/C2D2 - Corrosion/Chemical Resistant

Product ID: 242837

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.

HAL-CRNM-STR-15W-LED Hazardous Location Indicator Light

NRTL Listed for United States and Canada
Lamp Technology: A19 LED
Lamp Dimensions (Ceiling Mount): 10.84"H x 4.75"OD
Lamp Dimensions (Pipe Mount): 11.20"H x 4.53"OD
Lamp Dimensions (Surface Mount): 7.3"L x 5.19"W x 12.26"H
Weight: 3 lbs
Voltage: 120-277V AC, 12VDC or 24VDC
Total Watts: 15W
Lumens: 2,400 lms
Luminous Efficacy: 160 Lm/W
Lamp Life: 50,000+ Hours
Color Temp: 6000K, 4500K, 3000K, Red, Blue, Amber, or Green
Color Rendering Index: >80 CRI
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: Omni-Directional
Lighting Configuration: Steady burn
Power Efficiency: >95%

Ratings/Approvals

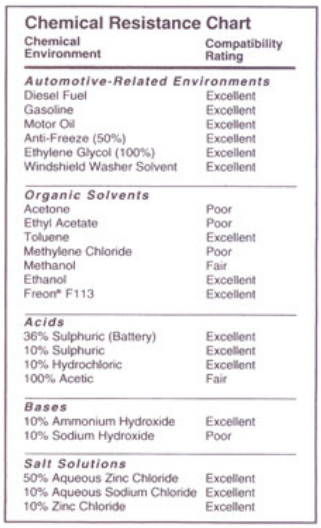
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Division 2, Groups F, G
IP66
NEMA 3, 4, 4X
USCG Accepted
ABS Type Approved
New York City Department of Buildings Approved

Power Factor: 0.992
Amp Draw: 0.083A @ 120V, 0.042A @ 240V, 0.036A @ 277V, 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, Pipe or Surface Mount
Wiring Hub: 3/4" NPT

Special Orders - Special Requirements
Contact us for special requirements

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The HAL-CRNM-STR-15W-LED Class I, Division 2 and Class II, Division 2 Chemical Resistant LED Indicator Light from Larson Electronics is recommended for use in hazardous locations. Capable of offering 2,400 lumens of light output, this waterproof LED equipped lamp is available in 120-277V AC, 12V or 24V voltage configurations.
The powerful and durable HAL-CRNM-STR-15W-LED explosion proof LED indicator light from Larson Electronics is ideal for industrial applications, hazardous work spaces, and areas where gases and vapors may be present and a powerful and durable general purpose light solution is needed. The lamp housing is waterproof, constructed of corrosion and chemical resistant polycarbonate with Pyrex globe, USCG accepted, ABS Type approved, and NEMA 4X compliant and suitable for hose-down areas. This LED indicator lamp has a 50,000-hour operational life and is available in 120-277V AC, 12V or 24V configurations for high or low voltage operation.



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



Click Photo to Enlarge



Click Photo to Enlarge

Lamp: The 15-watt LED indicator lamp used in this unit produces nearly 3 times the illumination of incandescent lamps as measured in foot candles, at less than 1/10th of the electricity usage and without the associated heat. This LED drop

light runs at operating temperatures of 55° F, greatly reducing the chances of accidents or burns commonly associated with incandescent drop lights. This lamp has no ballast, which reduces lamp weight, a steel globe guard, and a stainless steel hook for easy overhead mounting. The solid state LED bulb has no filament, making it resistant to damage from impacts and dropping. This hand lamp has a high efficiency LED bulb that requires no ballast, so the operator doesn`t need to drag the ballast housing around. This can be particularly annoying when the ballast becomes entangled in the cord.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

Mount: The HAL-CRNM-STR-15W-LED is offered in ceiling, pipe or surface mount configurations.

Applications: Hazardous locations, combustible sites, manufacturing, oil and gas, battery storage, industrial safety, food processing, aviation, marine sites, docks 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.

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Frequently Asked Questions (FAQ)



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Product ID: 242837

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-CRNM-STR-15W-LED-Voltage-Mount-Color

Example: HAL-CRNM-STR-15W-LED-1227-PND-60K

Voltage	
120-277V	-1227
12VDC	-12VDC
24VDC	-24VDC

Mount	
PENDANT	-PND
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):

- **Dimensional Drawing 2D**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**