Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

HAL-LED-CPR-C-100

100 Watt Hazardous Locations Low Profile LED Light Fixture - Class 1 Div 2 - ATEX Rated - 120/277V

Product ID: 106138

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-LED-CPR-C-100 Light Fixture

Lamp Type: LED
Dimensions: 11.8"L x 11.8"W x 6.89"H
Weight: 16.53 lbs
Voltage: Universal- 90-305V AC, 50/60Hz
Total Watts: 100W
Total Lumens: 10,000
Luminous Efficacy: 100 Lm/W
LED Lamp Life Expectancy: 100,000+ Hours
Color Temp: 5700K, Cool White (Also available in 4000K and 2700K)
Beam Angle: 120°
Power Factor: ~0.98
Ambient Operating Temperature Range: -30°C to +65°C
Temperature Rating: T4
Ingree Protection: IP68
Housing Material: Die Cast Aluminum
Lens Material: Tempered Glass
Housing Color: Grey
Mounting: Surface or Pendant
Wiring Hub: 3/4" NPT

Ratings/Approvals

Listed for United States, Canada, Europe, International
Class I, Division 2, Groups A,B,C,D
IEC Ex / ATEX - Ex ec IIC T4 Gc
Approved for Zone 1, Zone 21
NRTL Certified to UL 844
NRTL Certified to UL 1598
NRTL Certified to C22.2 No. 137
NRTL Certified to C22.2 No. 250.0
NRTL Certifed to IEC 60079
NRTL Certifed to EN 60079
T4 Temperature Rating
PSE Certified, SAA Certified

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

The Larson Electronics HAL-LED-CPR-C-100 hazardous location LED lights provide operators with a powerful and energy efficient alternative to other hazardous area luminaries such as high pressure sodium (HPS), metal halide (MH), and halogen lights. LED technology and a sturdy design make this light perfect for a wide variety of illumination needs. Surface and pendant mounting options give operators versatility in light placement.

This Class I Division 2 explosion proof LED light fixture provides 10,000 lumens of lighting power while drawing 100 watt. Constructed from durable die cast aluminum with a tempered glass lens, this C1D2 LED light is built to last. This hazardous location light is rated for 100,000+ hours of lamp life and is ready to be mounted via the attached surface mount, as well as via pendant mounting. The HAL-LED-CPR-C-100 is also a great option when upgrading lighting from older and higher maintenance cost explosion proof lighting.

The HAL-LED-CPR-C-100 is available in a wide range of voltage options from 90-305 VAC. It features 84 individual LEDs that offer high-quality light in a 120° beam spread. This light is also ATEX rated for European countries. Recommended in a color temp of 5700K, this light is also available in 4000K and 2700K. The cool white of a 5700K color temperature fixture provides clear, bright light for great illumination of any work area. A dust resistant coating protects the rear cooling fins from excessive dust build-up making this hazardous area LED lighting unit from overheating and compromising the lifespan of the LEDs.

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.

Wiring: The HAL-LED-CPR-C-100 is outfitted with 10" of 16/3 SOOW Cable with Flying Leads.

Mounting: This C1D2 LED light fixture can be mounted in several different ways including a surface mount and also via pendant mounting. To pendant mount the HAL-LED-CPR-C-100, operators can install a short piece of conduit leading to a junction box less than 10` away from the hazardous area light fixture. Electrical connections would then be made at the junction box rather than directly at the LED fixture. An adjustable bracket for surface mounting is attached to the back of this explosion proof LED light fixture. The bracket is adjustable via two set screws to accommodate various mounting angles.

Applications: Refineries, Storage Facilities, Gas and Oil Facilities, Wastewater and Sewage Plants, Gas Stations, Farm Buildings, Aerospace, Military

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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High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of durable die aluminum.
4. Superior color rendering compared to HPS, LPS, MH.
5. 100,000+ hours LED lamp life expectancy.
6. Tempered glass lens.
7. Multiple Mounting Options Including Surface and Pendant.
8. Low profile - Light weight
9. 10,000 Lumen output from 100 watts

Superior LED Benefits

1. 100,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

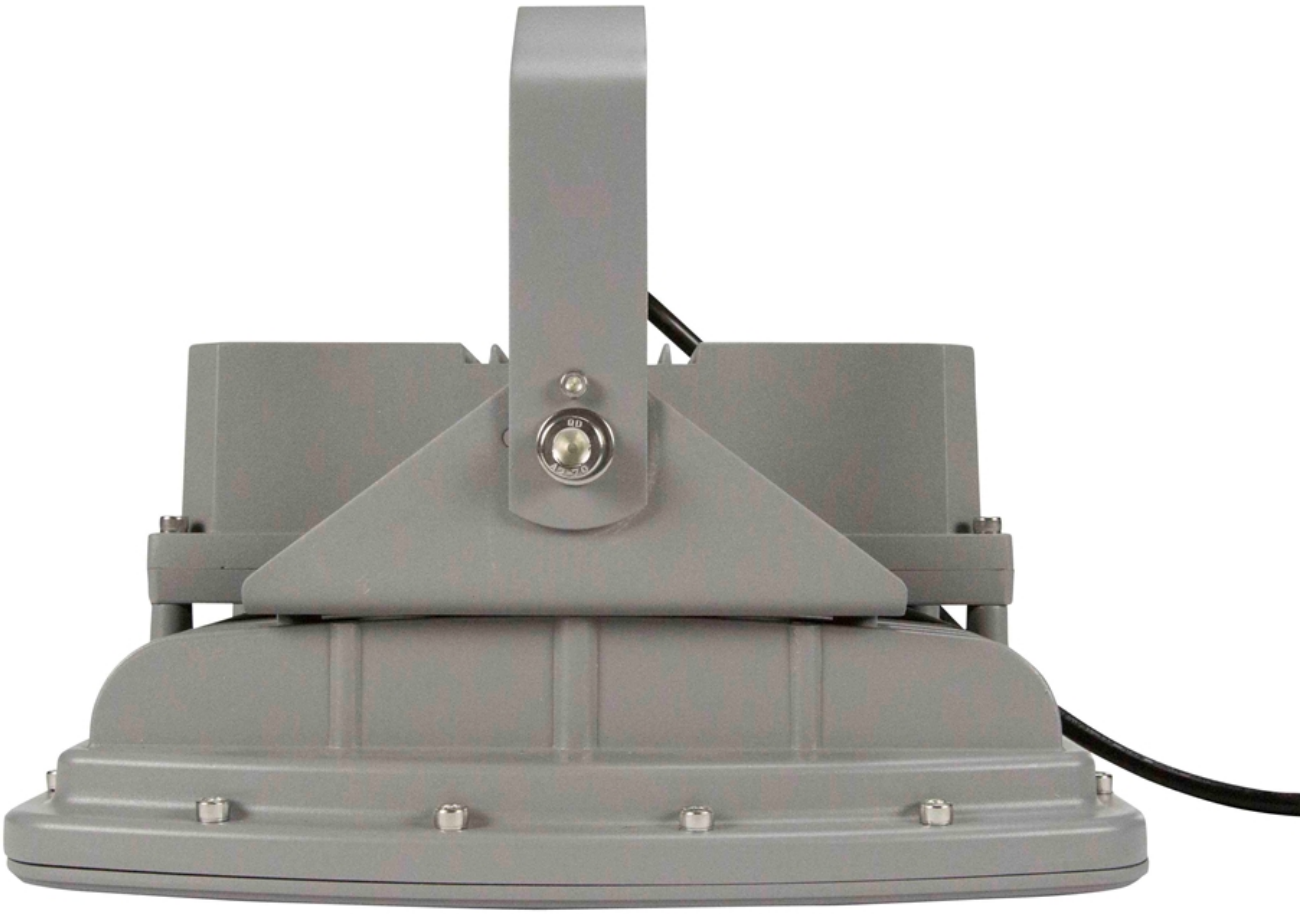
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Frequently Asked Questions (FAQ)








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HAL-LED-CPR-C-100

Product ID: 106138

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-LED-CPR-C-100-Mount-Color Temp

Example: HAL-LED-CPR-C-100-SFC-57K

Mount	
SURFACE	-SFC
PENDANT	-PND

Color Temp	
5700K	-57K
4000K	-40K
2700K	-27K

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**