Larson Electronics LLC
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HAL-LED-CPR-C-40-X24VDC

40 Watt Hazardous Locations Low Profile LED Light Fixture - Class 1 Div 2 - ATEX Rated - 24VDC

Product ID: 152603

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-40-X24VDC C1D2 ATEX Rated HAZLOC LED Light Fixture

Lamp Type: LED
Light Dimensions: 7.87"L x 7.87"W x 10.63"H
Power Supply External Dimensions: 7-3/4"H x 6-1/8"W
Power Supply Internal Dimensions: 6-11/16"H x 4-1/4"ID
Power Supply Internal Volume: 33 cu. in.
Weight: 8.82 lbs
Voltage: 24V DC Via External Power Supply
Total Watts: 40W
Total Lumens: 4,000
Luminous Efficacy: 150 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
Housing Color: Grey
Lens Material: Tempered Glass
Mounting: Surface or Pendant

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
IP68 Waterproof

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Wiring: 10" 16/3 SOOW Cable with Flying Leads

Wiring Hub: 3/4" NPT

Housing Color: Grey

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

The Larson Electronics HAL-LED-CPR-C-40-X24VDC hazardous location LED lights provide operators with a powerful and energy efficient alternative to other hazardous area luminaries. 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 4,000 lumens of lighting power while drawing only 40 watts. It is constructed from durable die cast aluminum and comes with a tempered glass lens. The unit is rated for 100,000+ hours of lamp life and is ready to be mounted via the attached wall and ceiling mount. It is also a great option when upgrading lighting from older and higher maintenance cost explosion proof lighting.

The HAL-LED-CPR-C-40-X24VDC operates on 24V DC via an external power supply. The remote power supply mounts separate from the fixture with external dimensions of 7-3/4" high x 6-1/8" wide and internal dimensions of 6-11/16" high x 4-1/4" depth. Internal volume is 33 cubic inches. The HAL-LED-CPR-C-40-X24VDC features 24 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.

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: 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.

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

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.

8. Low profile - Light weight
9. 4,000 Lumen output from only 40 watts

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Frequently Asked Questions (FAQ)




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HAL-LED-CPR-C-40-X24VDC

Product ID: 152603

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-LED-CPR-C-40-X24VDC-Mount-Color Temp

Example: HAL-LED-CPR-C-40-X24VDC-SFC-57K

Mount	
SURFACE	-SFC
PENDANT	-PND

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

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**