

## 100W Explosion Proof LED Light Fixture - Class I Division 2 - ATEX Rated - 2x2 Lay-in Troffer HALD-24-1X100CPR-LED-V2

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



### HALD-24-1X100CPR-LED-V2 ATEX LED Fixture

**Lamp Type:** LED

**Dimensions:** 24"-L x 24"-W x D-4.5"

**Flange Dimensions:** 24"-L x 24"-W

**Voltage:** Universal- 90-305 V AC, 50/60 Hz

**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

**Operating Temperature Range:** -30°C to +65°C

**Housing Material:** Steel w/ Powder Coated Finish

**Lens Material:** Polycarbonate

**Housing Color:** White

**Mounting:** Recessed Panel Mounting

**Wiring Hub:** 3/4" NPT

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

### Ratings/Approvals

NRTL 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 Certified to IEC 60079

NRTL Certified to EN 60079

T4 Temperature Rating

PSE Certified, SAA Certified

### Special Orders - Requirements

Contact us for special requirements

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**The HALD-24-1X100CPR-LED-V2 from Larson Electronics is an Explosion Proof LED Fixture that provides operators with a powerful and energy efficient lighting solution for clean rooms and pharmaceutical facilities. The 100-watt LED fixture offers up to 10,000 lumens of white light during use. Operators can mount the ATEX-rated LED lamp in recessed panel mounting configurations.**

This Class I Division 2 explosion proof LED light fixture provides 10,000 lumens of lighting power while drawing only 100 watts. The unit is rated for 100,000+ hours of lamp life and offers compatibility with lay-in troffer mounting configurations. The LED assembly is protected by an aluminum framed, hinged, 3/16" thick polycarbonate door that provides direct front access to the internal components. The lamp housing is designed for recessed mounting and is constructed of stainless steel with a powder coated white finish.

The HALD-24-1X100CPR-LED-V2 is available in a wide range of voltage options from 90-305 V AC. It features 24 individual LEDs that offer high-quality light in a 120° beam spread. This explosion proof 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.

**Mounting:** This explosion proof LED fixture is designed for recessed mounting and requires a mounting hole to be made in booth panels capable of accommodating the fixture housing in order to provide the maximum amount of space in clean room areas. Once mounted, this fixture's door frame will extend 3/8" into the clean room. One, 3/4" NPT hub is available for completing wiring connections.

**Applications:** Refineries, Storage Facilities, Gas and Oil Facilities, Wastewater and Sewage Plants, Gas Stations, Farm Buildings, Aerospace, Military, 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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

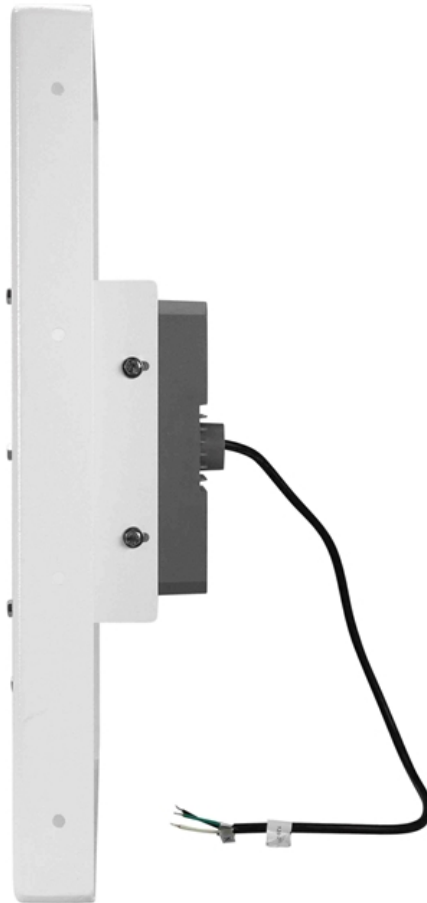
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## Frequently Asked Questions (FAQ)









**Options:**

**HALD-24-1X100CPR-LED-V2-Color Temp**

**Example:** HALD-24-1X100CPR-LED-V2-57K

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



Links (Click on the below items to view):

- [MSDS \(Material Safety Data Sheet\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)