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HALD-24-1X100CPR-LED-V2

100W Explosion Proof LED Light Fixture - Class I Division 2 - ATEX Rated - 2x2 Lay-in Troffer

Product ID: 152305

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.

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

Lamp Type: LED

Dimensions: 24"-L x 24"-W x D-4.5"
Weight: 28 Lbs
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
PSE Certified, SAA Certified
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

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.

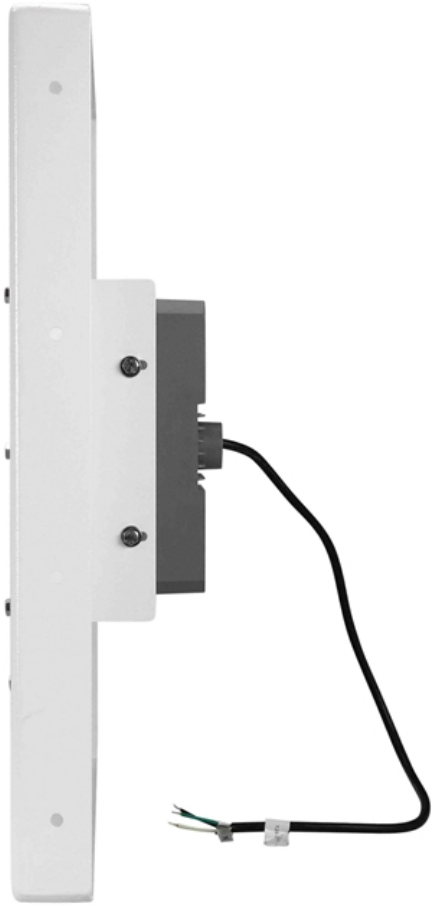
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, 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 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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HALD-24-1X100CPR-LED-V2

Product ID: 152305

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

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

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

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

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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