

Low Profile Explosion Proof LED Light - 2x4 Lay-In Troffer - Class 1 Div 2 - Paint Spray Booth Rated

Part #: HALD-48-2X150LED

**Made in the USA**

The Larson Electronics HALD-48-2X150LED Hazardous Area LED Light Fixture is designed to provide operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. This LED panel mount fixture is ETL listed Class 1 Division 2, Class 2 Divisions 1 & 2, and is approved for use within paint spray booths. LED technology and compact design makes this lamp an excellent replacement upgrade option for paint booths and hazardous locations where flammable chemical/petrochemical vapors are present.

*****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE*****

The HALD-48-2X150LED Explosion Proof fixture is a 2x4 Class 1 Division 2 hazardous location lay-in LED light fixture and is ideal for use in paint spray booths and hazardous environments where space for lighting fixtures is limited. This fixture is T5 temperature rated and is a fully integrated LED unit. 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 non-sparking aluminum coated with a powder coated white finish.

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This Class 1 Division 2, Class 2 Division 1 & 2 explosion proof light fixture provides 26,000 of high quality light while drawing only 300 watts. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

The integrated LED assembly in this unit features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twenty-four individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

This light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. The aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The LED lamp produces 26,000 lumens with a color temperature of 6000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries.

Mounting: This 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 paint spray booth enclosures. Once mounted, this fixture's door frame will extend 3/8" into the spray booth.

Applications: Paint spray booths and enclosed spaces where flammable chemical/petrochemical vapors are present.

High Quality Features

1. Low power consumption.
2. Fixture arrives assembled and lamped to reduce installation time and cost.
3. Instant on/off operation.
4. Fixture constructed of welded corrosion resistant copper free aluminum alloy.
5. 3/4" Wiring hubs
6. Superior color rendering compared to HPS, LPS, MH.
7. Retains 80% lumen output after 60,000 operating hours.
8. Powder coated aluminum fixture body.
9. Low profile - Light weight
10. 26,000 Lumen output from only 300 watts

Superior LED Benefits

1. 60,000 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.

Specifications / Additional Information**HALD-48-2X150LED HAZLOC Lay-In Panel Mount Light****Lamp Type:** LED**Dimensions:**48"-L x 24"-W x D-5.38"**Flange Dimensions:** 48"-L x 24"-W**Total Watts:** 300W**Lumens:** 26,000**Beam Angle:** 60° or 125°**Voltage:** Universal- 100-277V AC 50/60Hz**Mounting:** Recessed Panel Mounting**Weight:** 75lbs**Wiring Hub:**3/4" NPT**Temp Rating:** T5 -40°C to +65°C**Color Temp:** 6000K, 70-CRI.**Lamp Life:** 60,000+ Hours**LED Driver Specs****Input Voltage:** 100-277 Volts AC**Input Current:** 1.8A Max**Power Factor:** >98%**Efficiency:** >88%**Output Voltage:** 54V Max**Output Current:** 2.1A

*5 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement. Please click here to see our 5 Year Warranty pamphlet.

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[Part #: HALD-48-2X150LED \(71250\)](#)

ETL Ratings

ETL Listed U.S. and Canada

T5 Temperature Rating

Class 1 Division 2 Groups C and D

Class 2 Division 1&2 Groups E,F,G

Class 3

cETL Certified to UL844 Standards

cETL Certified to C22.2 Standards

Paint Spray Booth Approved

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@larsonelectronics.com





Links (Click on the below items to view):

[- Dimensional Drawing](#)

[- STEP](#)

[- Hi-Res Image 1 - Low Profile Explosion Proof LED Light](#)

[- Hi-Res Image 2 - Low Profile Explosion Proof LED Light](#)

- Hi-Res Image 3 - Low Profile Explosion Proof LED Light
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