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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

HALS-24-2L-LED-NL

0-10V Dimmable Hazardous Location LED Lighting - 2' 2 Lamp Fixture - C1D2 & C2D2 - NO LAMPS

Product ID: 285428

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



Image: HALS-24-2L-LED-NL

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.

HALS-24-2L-LED-NL Hazardous Location Dimmable LED Light Fixture

Dimensions: 12.19"-W x 27.5"-L x 5.31"-H
Weight: 15.75 lb
Voltage: Universal 120-277 V AC, 50/60 Hz
Total Watts: N/A
Total Lumens: N/A
LED Lamp Life Expectancy: 50,000+ Hours
Luminous Efficacy: N/A
Color: N/A
Color Rendering Index: N/A
Beam Angle: 150°
Power Efficiency: N/A
Power Factor: N/A
Ambient Operating Temp Range: -30°C to +85°C
Operating Temp Range: T3C-T4A Rated
Housing Material: Powder Coated 16 Gauge Steel
Lens Material: Acrylic Lens
Mounting: Surface Bracket Standard - Pendant Optional
Wiring Hub: 1/2" NPT - (2) On Top, (2) On Ends

Ratings/Approvals

Class I, Division 2, Groups A, B, C, D
Class II, Division 2 Groups F,G
Class III
NRTL Certified to UL 844
NRTL Certified to UL 1598
IP65
Wet Area Suitable
Quick Release Draw Latches & Hinged Lens
Ease-of-Access Front Access Serviceability
Adjustable Surface Mount Brackets
0-10V Dimming Capability
Made in the USA
Listed for United States & Canada

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The HALS-24-2L-LED-NL from Larson Electronics is a Hazardous Area LED Dimmable Light Fixture that is NRTL Listed for United States and Canada Class I Division 2 Groups A, B, C and D - NRTL Certified to 1598 and ideal for use in industrial hazardous location lighting where wet conditions and chemical/petrochemical vapors may be encountered. The HALS-24-2L-LED-NL requires the use of self ballasted LED T8 type lamps (not included).

Please note: This item does NOT come with lamps.

The HALS-24-2L-LED-NL fixture is a 2 foot long, 2 lamp, Class I Division 2 Groups A, B, C and D hazardous area dimmable LED light and a good choice for use in industrial applications and wet areas. This 0-10V dimming fixture is T4A temperature rated. The housing on this unit is constructed of powder coated 16 gauge steel for durability and contains a hinged reflector and ballast tray for easy and safe servicing. Operator provided lamps are held in place by spring loaded sockets and protected by a hinged lens door with a 3/16" acrylic lens which is secured with four turn latches.

This LED light fixture features 0-10V dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the brightness needs of any lighting situation. A 0-10V dimmable light works through the use of a DC control signal that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications.

This dimmable fixture is universal voltage and can be operated with voltages of 120-277 V AC. This fixture is IP65 rated water and dust-proof and is approved for wet and marine locations. This 0-10V dimming fixture also features multiple 1/2" NPT wiring hubs with two located on top of the fixture and two more located at each end, allowing operators to through-wire multiple units in series or mount the unit with wire through conduit pendant mounts.

We have eliminated the ballast normally associated with explosion proof fluorescent fixtures which reduces overall weight and overall complexity of installation. There is no ballast in this unit and the LEDT8-28W-V1 LED lamps (Sold Separately) have a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. These fluorescent-style LED lamps have internal drivers, eliminating external power components. The solid state design of the LED lamps give this fixture superior resistance to damage from vibration, extremes in temperature and a lamp service life over twice that of standard fluorescent bulbs. This second generation lamp is offered in blue, red or green.

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.

The HALS-24-2L-LED-NL does **NOT** come with any lamps. Operators must provide their own self ballasted LED T8 type lamps for use in the fixture.

The HALS-24-2L-LED-NL provides operators in hazardous locations with a very durable, reliable and affordable lighting solution for open areas where flammable chemicals and vapors may occasionally be present.

Adjustable Surface Mount Brackets: Two L-brackets enables it to be simply secured to any flat surface. Three through holes provide sufficient mounting for any environment. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be repositioned by removing the adjustment bolts, rotating the fixture, and re-inserting the adjustment bolts in pre-drilled holes.

Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture is equipped with two 1/2" NPT hubs, one on each end of the fixture. Operators bring rigid pipe down to the threaded mounting hubs. Wiring is fed down through the rigid pipe to one of the NPT hubs and tied in to the fixture`s lead wires, completing the electrical connection. The remaining pendant hub provides support for the opposite end of the fixture.

Suggested Applications: Aircraft maintenance, Oil drilling rigs, Refineries, Solvent and cleaning areas, Gas processing plants, Chemical manufacturing, Waste treatment plants, Gas processing plants.

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)

There are no Faqs

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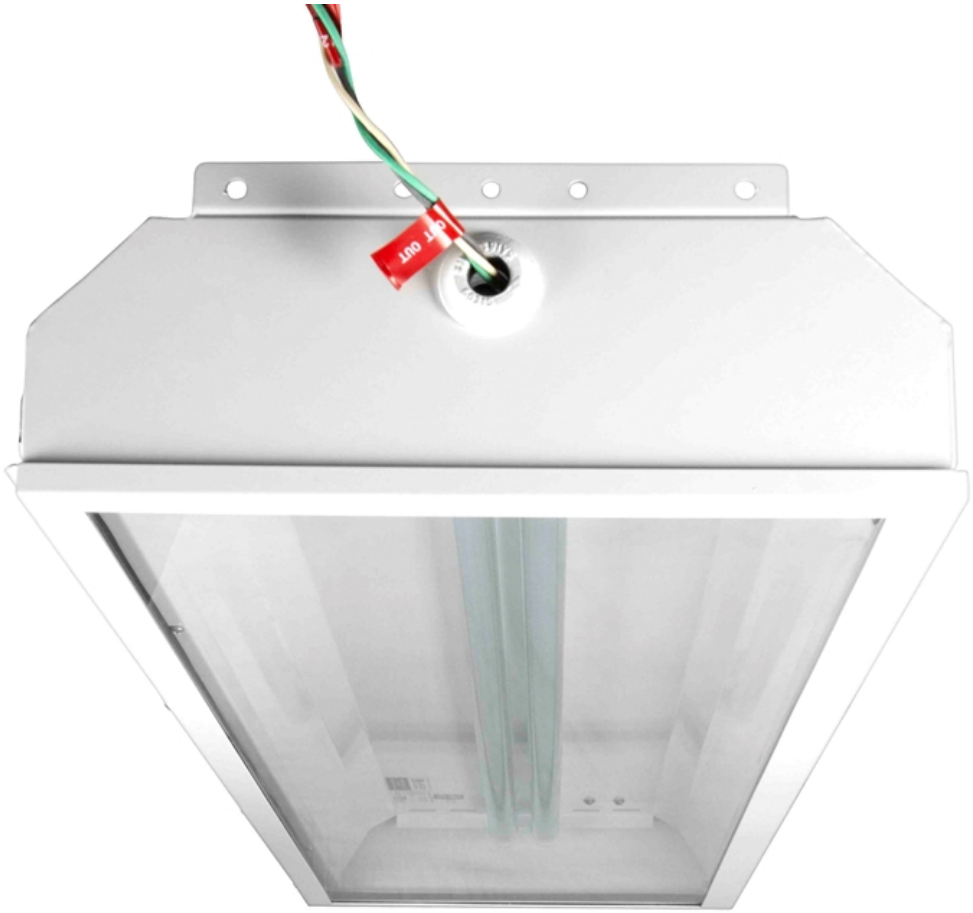


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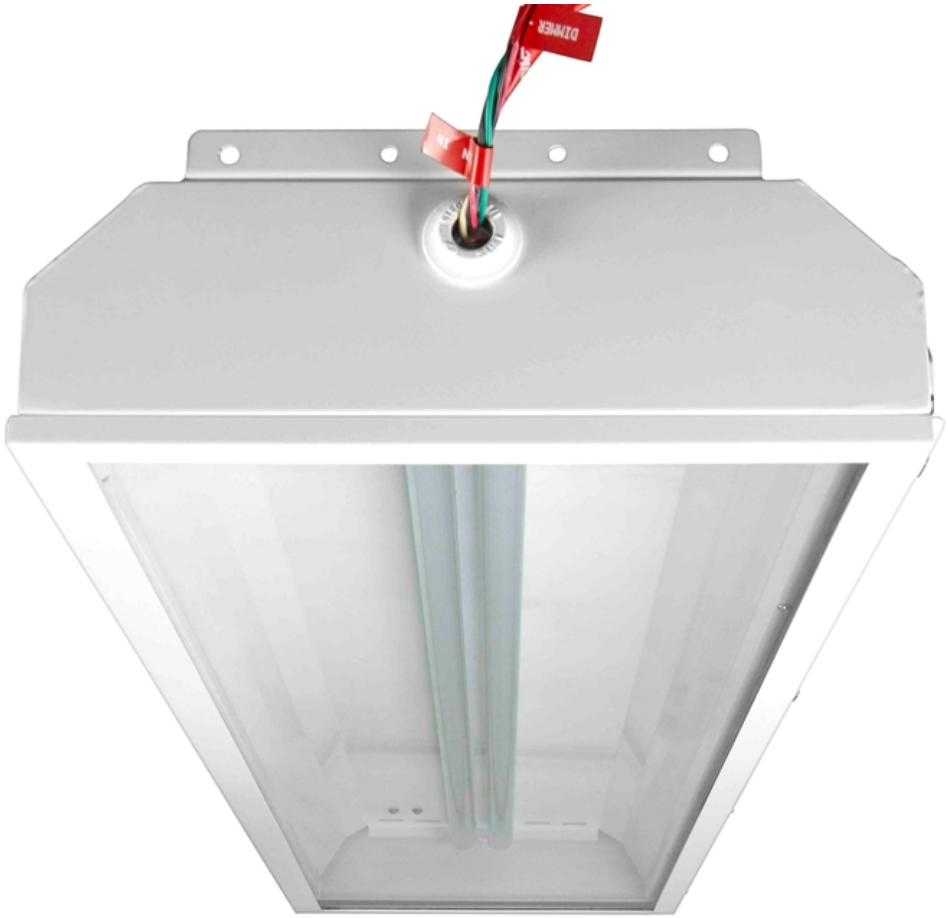


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HALS-24-2L-LED-NL

Product ID: 285428

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

HALS-24-2L-LED-NL-Mount
Example: HALS-24-2L-LED-NL-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/285428.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/285428.JPG)
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