Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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HAL-48-2L

Hazardous Location Light Fixture, Aluminum, 2 Fluorescent Lamps, Corrosion Resistant, Marine Application, C1D2/C2D2

Product ID: 1962

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



Image: HAL-48-2L

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-48-2L - Hazardous Area Dimmable Fluorescent Offshore Light

Listing: NRTL Listed to United States, Canada
Lamp Technology: Fluorescent
Surface Mount Dimensions: 53.74"-L x 7.03"-W x 9.11"-H
Pendant Mount Dimensions: 53.74"-L x 7.03"-W x 7.62"-H
Weight: 22.7 lb
Voltage: Universal 120-277V AC, 50/60 Hz
Lamp Qty: (2)
Total Watts: 108W (T5HO), 64W (T8), or 120W (T12HO)
Total Lumens: 10,000 (T5HO), 5900 (T8), or 8100 (T12HO)
Lamp Life (Hours): 20,000 (T5HO), 24,000 (T8), 12,000 (T12HO)
Efficiency (Lumens per Watt): 92 (T5HO), 92 (T8), 67.5 (T12HO)
Color Temp: 5000K (T5HO) or 4100K (T5HO, T8, T12HO)
Lamp Type: Fluorescent
Lamp Base: -
Replacement Lamp: -
Beam Angle: 150°
Dimming Function: No
Lighting Configuration: Flood
Power Efficiency: -
Power Factor: -

Ratings/Approvals

NRTL Listed for United States and Canada
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
NRTL Certified to UL 844
NRTL Certified to UL 1598A Marine Type (Saltwater)
NRTL Certified to C22.2 No. 137
NRTL Certified to C22.2 No. 250.0
Meets USCG Specifications
California Title 24 Compliant
T4 Temperature Rating
Non-Corrosive Construction
Made in the USA
BAA Compliant
Silicone Free
CE Certified
Field Serviceable

Ambient Operating Temp Range: -20°C to +70°C
Operating Temp Rating: T4
Minimum Operating Temp: -30°C
Maximum Case Temp: +90°C
Housing Material: Copper Free Aluminum Extrusion Housing
Lens Material: Shatter/Impact Resistant Acrylic Diffuser
Gasket Material: Neoprene
Mounting: Flange Type Surface Mount or Pendant Mount
Wiring Hub: 1/2" or 3/4" NPT

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

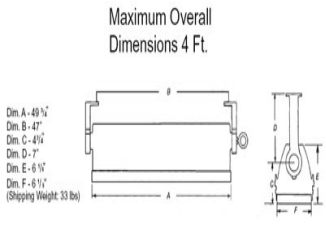
The HAL-48-2L from Larson Electronics is a Hazardous Area Fluorescent Light Fixture that is NRTL Listed for United States and Canada, approved for Class I Division 2 Groups A, B, C and D, NRTL Certified to UL 1598A, and ideal for hazardous locations where flammable chemical/petrochemical vapors may be occasionally encountered. This hazardous location fluorescent light has a T4 temperature rating and carries a United States Coast Guard approval, making it ideal for applications such as oil rigs, ships, offshore applications, petrochemical, manufacturing, chemical storage, and water treatment centers.

This four foot long, two lamp fluorescent fixture is ideal for operators seeking a top quality hazardous location light that will reduce operating costs, improve lighting quality, and reduce downtime incurred from frequent servicing intervals. The HAL-48-2L fixture is a Class I Division 2 Groups A, B, C and D hazardous area fluorescent light that offers reliability and efficiency. The lamps are protected by an aluminum framed shatter and heat resistant clear acrylic lens secured with ten draw latches and the fixture is constructed of copper free aluminum alloy. The lamp reflector is corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish.

This fixture carries a T4A temperature rating and is NRTL Certified to UL 595 and UL 1598A Marine Type approved for use in marine environments. The HAL-48-2L is weatherproof and provides operators in hazardous locations with a highly efficient, reliable, and affordable lighting solution for open areas where flammable chemicals and vapors may occasionally be present. Click here to read the NEC description for explosion proof and hazardous locations.



Click Photo to Enlarge



Click Photo to Enlarge





Note on Lamps: This fixture comes equipped with two T5HO, T8, or T12HO fluorescent lamps. The F54-T5/850/HO 54 Watt lamps produce 5,000 lumens per bulb for 20,000 lumens per fixture, a 5000 or 4100 Kelvin color and a 20,000 hour rated service life. The F32-T8/841 32 watt lamps produce 2950 lumens per bulb for 5900 lumens per fixture, a 4100 Kelvin color and a 24,000 hour rated service life. The F48-T12/HO 60 watt lamps produce 4050 lumens per bulb for 8100 lumens per fixture, and a 12,000 hour rated service life. The HAL-48-2L has an electronic multi-voltage ballast and works with 120 Volt, 60 Hz, 220 Volt, 50 Hz, 240 Volt, 60 Hz and 277 Volt, 60 Hz.

Mounting Options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown enlarged below. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit). Additional mounting configurations can be customized to meet the requirements on the application. Please contact us for special mounting configurations. A sliding bracket mount is available so operators can retrofit this fluorescent light fixture to use the per-existing mounting holes from other fluorescent fixtures. Below, in the related items area you can order the sliding mount bracket option.

Adjustable Surface Mount Brackets: Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor, or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg.

Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture is equipped with either two 1/2" or 3/4" 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, marine and salt water environments, ships, tankers, offshore, 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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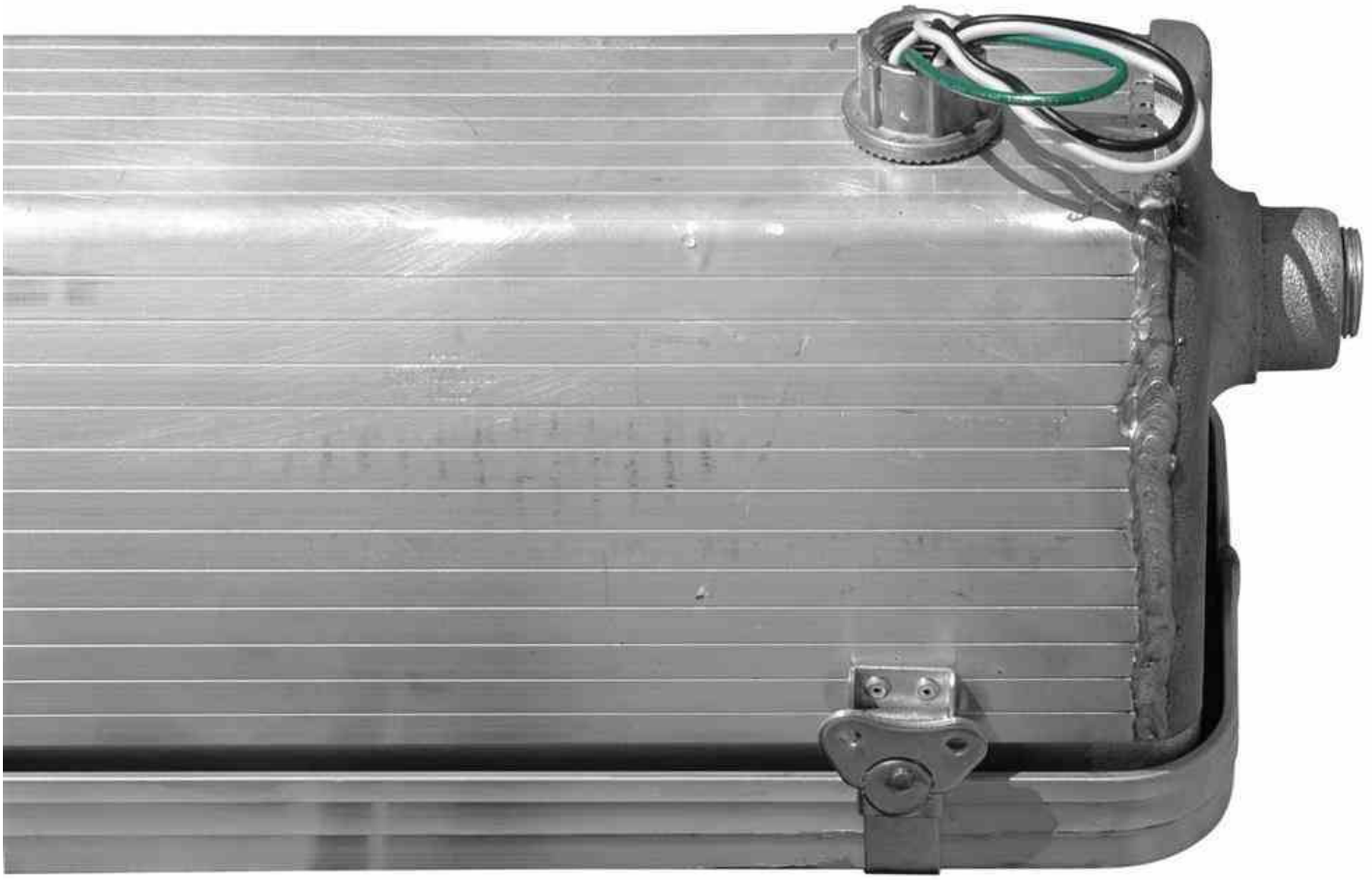


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Product ID: 1962

Export Control Classification Number (ECCN): EAR99

Options:

HAL-48-2L-Lamp Options-Mount-Hub Config
Example: HAL-48-2L-T8-SFC-0.5IN

Lamp Options	
T8	-T8
5000K T5HO	-T5HO
4100K T5HO	-41KT5HO
T8HO	-T8HO
T12HO	-T12HO
T12	-T12

Mount	
SURFACE	-SFC
PENDANT	-PND

Hub Config	
1/2IN	-0.5IN
3/4IN	-0.75IN

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/1962.PDF)
- **IES (Photometric File)**(https://www.larsonelectronics.com/images/product/ies/1962.ZIP)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/1962.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/1962.PDF)
- **Solidworks EASM File**(https://www.larsonelectronics.com/images/product/Easm/1962.ZIP)
- **SpecSheetArabic**(https://www.larsonelectronics.com/images/product/SpecSheetArabic/1962.PDF)
- **SpecSheetFrench**(https://www.larsonelectronics.com/images/product/SpecSheetFrench/1962.PDF)
- **SpecSheetRussian**(https://www.larsonelectronics.com/images/product/SpecSheetRussian/1962.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/1962.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/1962.ZIP)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/1962.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/1962.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/1962.JPG)
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- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/1962.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/1962.JPG)
- **Video1**(https://www.youtube.com/watch?v=OGbw09xDTqI)
- **Video2**(https://www.youtube.com/watch?v=ZEWSEBXdzYE)
- **Video3**(http://www.youtube.com/watch?v=J_TAYVayQRY)
- **Video4**(https://www.youtube.com/watch?v=12Quu_Q_HmI)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
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