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HALP-48-2L-CWBT

Hazardous Location Light Fixture, Non-Metallic, 2 Fluorescent Lamps, Cold Weather Ballast, Corrosion Resistant, Marine Application, C1D2/C2D2

Product ID: 144246

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.

HALP-48-2L-CWBT - Hazardous Area Fluorescent Light

Listing: United States - Canada

Lamp Type: 4' Fluorescent
Surface Dimensions: 49.975"-L x 7.975"-W x 5.1"-H
Pendant Dimensions: 49.731"-L x 7.205"-W x 5.425"-H
Weight: 8 lb

Voltage: Universal 120-277V AC, 50/60 Hz
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)
Replacement Lamp: -
Beam Angle: 160° Horizontal, 116.5° Vertical
Dimming Function: No
Lighting Configuration: Flood
Power Efficiency: -
Power Factor: -
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: Fiberglass Reinforced Polyester Housing
Lens Material: Shatter/Impact Resistant Acrylic Diffuser

Ratings/Approvals

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
T4C Temperature Rating

Non-Corrosive Construction

Non-Metallic Housing Pan & Lens
Made in the USA
BAA Compliant
Silicone Free
CE Certified
Field Serviceable
Cold Weather Ballast Operates at 0°F

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Gasket Material: Neoprene

Mounting: Flange Type Surface Mount or Pendant Mount

Wiring Hub: 1/2" or 3/4" NPT

***Wattage totals are lamps only and may vary with different lamps.**

Intl: 1-903-270-1187

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Made in the USA

The HALP-48-2L-CWBT from Larson Electronics is a Hazardous Area Fluorescent Light Fixture that is U.S./Canada approved Class I Division 2 Groups A, B, C and D and is specifically designed to handle the rigors of wet and corrosive marine environments. This hazardous location fluorescent light has a T4C 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. The HALP-48-2L-CWBT is equipped with a cold weather ballast.

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 HALP-48-2L-CWBT hazardous area fluorescent light fixture is designed for use in wet areas and saltwater-marine environments where corrosion resistance is critical to equipment longevity and safety. This Class I Division 2 rated fixture is constructed of non-corrosive materials including a polyester housing reinforced with glass fiber, a poured in gasket for reliable sealing, and an impact resistant acrylic diffuser. Corrosion resistant plastic latches secure the lamp cover to the housing and provide a firm lock against the poured in seal to prevent drips and water intrusion.







Click Photo to Enlarge

Click Photo to Enlarge

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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 HALP-48-2L-CWBT has an electronic universal voltage ballast and operates on a range of voltages from 120V to 277V AC 50/60Hz including: 120 Volt 60 HZ, 220 Volt 50 HZ, 240 Volt 60 HZ and 277 Volts 60 HZ.

The HALP-48-2L-CWBT is NRTL Listed to UL 844 for Class I Division 2, Groups A, B, C, D hazardous locations. This fixture is also NRTL Listed to UL 1598A for outdoor marine type luminaires, and meets US Coast Guard specifications. This light fixture offers the extreme durability in a proven hazardous location fixture

design, making it a 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.
Cold Weather Ballast: The HALP-48-2L-CWBT is outfitted with a cold weather ballast that operates at temperatures as low as 0°F (-17.78°C). Unlike standard ballasts, cold weather ballasts can provide sufficient voltage and current to reliably start fluorescent lamps in cold environments, preventing issues like flickering or difficulty in turning on the lights. They are commonly used in outdoor lighting and refrigerated spaces where the ambient temperature is lower and regular ballasts might struggle to function effectively.
Mounting Options: Unless otherwise specified, our standard, most popular configuration is the flange mount 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.



Surface Mount (Standard)
Click Photo to Enlarge

Standard Flange Brackets: Flange type stainless steel mounts attached at each end of the fixture enables it to be simply secured to any surface. The mounts provide some shock absorbency protection while enabling the user to simply mount the fixture with the through-hole taps that protrude on each side of the fixture. The mounting holes are 38.25" on center apart along the top of this hazardous location light. The mounting holes are 7.2" on center across the top of the light.



Pendant Mount (Optional)
Click Photo to Enlarge

Standard 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: The HALP-48-2L-CWBT is designed for marine wet and damp locations, where corrosion resistant fluorescent lights are required. This includes petrochemical facilities, lubrication pits, oil drilling rigs, crew quarters,

solvent/cleaning areas, water treatment areas, processing plants, and marine loading docks.

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.

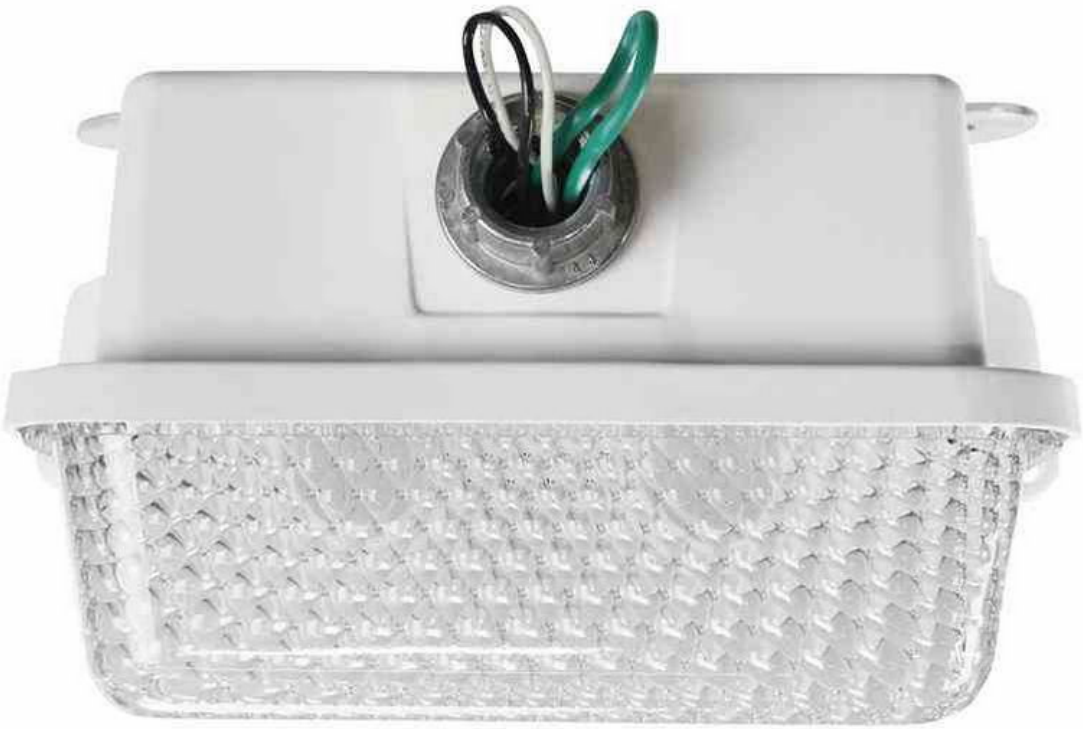
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Frequently Asked Questions (FAQ)









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HALP-48-2L-CWBT

Product ID: 144246

Export Control Classification Number (ECCN): EAR99

Options:

HALP-48-2L-CWBT-Bulbs-Mount-Hub Config

Example: HALP-48-2L-CWBT-T8-SFC-0.5IN

Bulbs	
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):

- MSDS (Material Safety Data Sheet
- Operations Manual
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map