

Stainless Steel Hazardous Location Integrated LED Light Fixture - 19,200 Lumens - C1D2 - USCG

Part #: HALSS-48-2L-ITG-LED



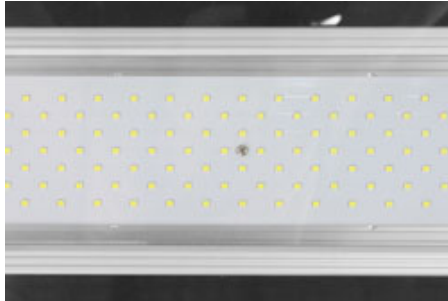
Made in Texas

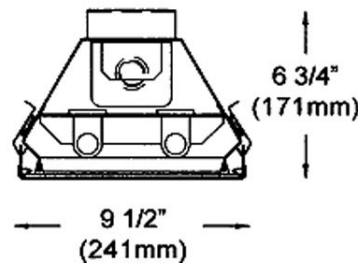
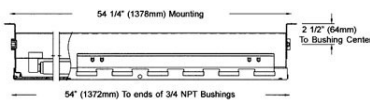
The Larson Electronics HALSS-48-2L-ITG-LED Hazardous Area LED Light Fixture is listed Class 1 Division 2 Groups A, B, C and D, UL 1598A marine listed, and is specifically designed to withstand high vibration locations and the rigors of wet and corrosive marine environments. This integrated fixture provides high lumen output in a compact form factor and while offering stability and reliability of LED technology for environments where hazardous gases and vapors stand the potential to exist.

The HALSS-48-2L-ITG-LED integrated LED fixture is ideal for operators seeking a top quality explosion proof LED light that will reduce operating costs, improve lighting quality and reduce downtime incurred from frequent servicing intervals. This integrated led fixture is equipped with a specially designed integrated LED array which produces 19,200 lumens of bright light in a 116° by 126° wide flood beam spread, resulting in 50% more foot candles of illumination at 8 feet as compared to standard T5HO lamps when measured with an Extech light meter. Our integrated series are visibly brighter than standard T5HO's and have consistently surprised many of our customers with their unexpectedly high light output levels.

This Class 1 Division 2 rated fixture is constructed of non-corrosive materials including a 304 stainless steel housing, a poured in gasket for reliable sealing and an impact resistant acrylic diffuser. Our integrated LED array included with this fixture adds greater light output, longer lamp life and add even better resistance to damage from vibration and impacts. Corrosion resistant stainless steel latches secure the lamp cover to the housing and provide a firm lock against the poured in seal to prevent drips and water intrusion.

This fixture is 844 rated and Class 1 Division II, Groups A, B, C, D approved. The HALSS-48-2L-ITG-LED also carries UL 1598A and UL 595 outdoor marine ratings and meets US Coast Guard specifications.

[Click Photo to Enlarge](#)[Click Photo to Enlarge](#)[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

[Click Photo to Enlarge](#)

This fixture is designed for heavy duty use in applications where intense vibration and corrosive environments may be encountered. Stainless steel construction, high impact acrylic lamp covers, and a Class 1 Division 2 ETL rating make this light ideal for hazardous areas that require illumination with above average dependability.

We have eliminated the ballast normally associated with fluorescent fixtures which reduces overall weight, creates a slimmer unit profile and helps this LED fixture maintain a T4C temperature rating. There is no ballast in this unit and the integrated LED array has a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. The solid state design of LED technology give this fixture superior resistance to damage from vibration, extremes in temperature, and a lamp life over twice that of standard fluorescent bulbs. The LED array in this fixture produces 80% more illumination than standard T8 bulbs while offering lower amp draw and increased reliability. The LED array produces 19,200 lumens at 120 lumens per watt. A HAL-48-2L-T8 hazardous location fluorescent light, with a combined total of 64 watts, draws 0.54 amps at 120 volts AC. This LED version of the same light, with a total of 160 watts, draws only 1.3 amps at 120 volts AC. The drivers in this unit provide the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. The HALSS-48-2L-ITG-LED is universal voltage, not multi-tap, and operates on any voltage ranging from 90 to 305V AC or 127 to 431V DC without any modifications necessary. We also offer other variations of this light if needed to fit your specific application, 347-480V AC, 12-24V DC and 0-10V dimmable by simply installing the custom driver or a DC-DC transformer.

Energy Consumption Comparison

	<u>T5HO</u>	<u>T8</u>	<u>Integrated LED</u>
Wattage	216 watts	112 watts	160 watts
Amp Draw @ 120V AC	1.8 amps	0.93 amps	1.33 amps
Amp Draw @ 220V AC	0.98 amps	0.51 amps	0.73 amps
Amp Draw @ 240V AC	0.9 amps	0.47 amps	0.23 amps
Amp Draw @ 277V AC	0.78 amps	0.40 amps	0.67 amps
Amp Draw @ 12V DC	18 amps	9.33 amps	13.33 amps
Amp Draw @ 24V DC	9 amps	4.67 amps	6.67 amps
Fixture Lumens	20,000	14,000	19,200
Lamp Life Expectancy	20,000 hours	24,000 hours	50,000 hours
Color Temperature	5000K / 4100K	4100K	6000K
Operation cost per year (12hs/day @ 12c/kWh)	\$113.53	\$58.87	\$84.10

Please note: The above energy tables are comparing 4ft 4-lamp fixtures to the HALSS-48-2L-ITG-LED integrated LED fixture. The light output is comparable to a 4ft 4-lamp fixture, but the form factor is of a 4ft 2-lamp fixture. This fixture has the same output as our HALSS-48-4L with four 54 watt T5HO lamps, but in the compact form factor of the HALS-48-2L housing. Currently you cannot achieve comparable light output in the same form factor from fluorescent lighting.

Standard Adjustable Flange Surface Mount Brackets: Two stainless steel L-brackets, one on each end of the fixture, enables it to be simply secured to any flat surface. Three through holes provide sufficient mounting for any environment. The angle of the bracket is set by tightening two set screws on either side of the bracket. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be repositioned by loosening the cap screws, angling the light for maximum illumination, and secured in place by re-tightening the set screws on each mounting bracket.

Optional Pendant Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture is equipped with two 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 HALSS-48-2L-ITG-LED is designed for marine wet and damp locations, where corrosion resistant fluorescent lights are required. This lamp is also ideal for locations where heavy vibratory conditions are present. This includes petrochemical facilities, lubrication pits, oil drilling rigs, crew quarters, solvent/cleaning areas, water treatment areas, processing plants and marine loading docks.

Made in USA Quality

Superior LED Benefits

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Flange type stainless steel mounts attached at each end of the fixture enables it to be simply secured to any surface.
3. Fixture housing constructed of 14 gauge stainless steel..
4. Relamping done via stainless steel snap locking latches which allow the operator to remove the door and access the lamps.
5. Lamp cover-diffuser constructed of high impact acrylic for corrosion resistance and lamp protection.
6. 3/4" threaded access hole for wiring conduit.
1. 50,000 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 LEED 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**HALSS-48-2L-ITG-LED Hazardous Location LED Lighting****Listing:** United States**Surface Mount Dimensions:** 55.5"-L x 9.78"-W x 6.68"-H**Pendant Mount Dimensions:** 54.66"-L x 9.78"-W x 6.43"-H**Weight:** 30 Lbs**Voltage:** Universal 90-305V AC or 127-431V DC**Total Watts:** 160 watts**Total Lumens:** 19,200**LED Lamp Life Expectancy:** 50,000+ Hours**Luminous Efficacy:** 120 Lumens per Watt**Color Temp:** 6000K**Color Rendering Index:** >80**Beam Angle:** 116° Vertical x 126° Horizontal**Power Efficiency:** 90%**Power Factor:** >0.95**Temp Range: T4C Rated** -30°C to 85°C**Minimum Operating Temp:** -30°C**Maximum Case Temp:** +90°C**Housing Material:** 304 Stainless Steel**Lens Material:** Shatter/Heat Resistant Acrylic Lens**Gasket Material:** Neoprene**Mounting:** SS Flange Surface Brackets Standard - Pendant Optional**Wiring Hub:** 3/4" NPT**U.L Approval:** [U.S Certificate](#) [Canada Certificate](#)**Warranty:** 5 Years*

*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.

Scroll Down to PurchasePart #: [HALSS-48-2L-ITG-LED \(105694\)](#)**Ratings/Approvals**

Listed for United States & Canada

Class I, Division 2, Groups A, B, C & D

Listed UL 844

Listed UL 1598A Marine Type

Listed to Canadian Standards

Meets US Coast Guard specifications.

Quick Summary

Corrosion Resistant Stainless Steel Body & Hardware

Quick Release Draw Latches

Removable Lens for Ease-of-Access Serviceability

Wall/Ceiling/Flat Surface Bracket Mounting System

Suspended Pendant Mounting System Optional

Corrosion Resistant Stainless Steel Body & Hardware

304 Stainless Steel Construction

High Output Integrated LED Array

Made in the USA

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):

- [Hi-Res Image 1](#)
- [Hi-Res Image 2](#)
- [Hi-Res Image 3](#)
- [Hi-Res Image 4](#)

- Hi-Res Image 5
- Hi-Res Image 6
- Hi-Res Image 7
- Hi-Res Image 8
- Hi-Res Image 9
- Hi-Res Image 10