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HALSS-48-2L-ITG-LED-30DB

Stainless Steel Hazardous Location Integrated LED Light Fixture - 19,200 Lumens- Corrosion Resistant

Product ID: 224451

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.

HALSS-48-2L-ITG-LED-30DB 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: 30° Angled Stationary Wall Mount
Wiring Hub:1/2" NPT
U.L Approval: U.S Certificate Canada Certificate

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 - Special Requirements
Contact us for special requirements
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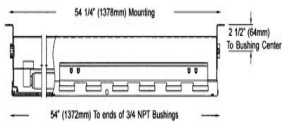
Made in Texas

The Larson Electronics HALSS-48-2L-ITG-LED-30DB Hazardous Area LED Light Fixture is listed Class I 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-30DB is equipped with a 30° angled wall mount.

The HALSS-48-2L-ITG-LED-30DB 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.

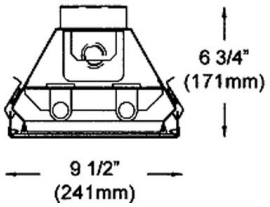
This Class 1 Division 2 rated fixture is constructed of non-corrosive materials including a 304 stainless steel housing, a poured in gasket for reliable sealing and an impact resistant acrylic diffuser. Our integrated LED array included with this fixture adds greater light output, longer lamp life and 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-30DB 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

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-30DB 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

	T5HO	T8	Integrated LED
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-30DB 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.

Click Photo to Enlarge

Mounting: The HALSS-48-2L-ITG-LED-30DB is equipped with a 30° angled wall mount. This stationary mount keeps the light fixture at a 30 degree angle from the wall it is mounted to. The HALSS-48-2L-ITG-LED-30DB angled wall mount does not swivel.
Suggested Applications: The HALSS-48-2L-ITG-LED-30DB 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.
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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Product ID: 224451

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**