Larson Electronics LLC
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## HALSS-48-2L-SBM-BL-UV

# 4' Stainless Steel Hazardous Location UV Fluorescent Fixture - Sliding Bracket Mounts - Glass Lens

**Product ID: 146470**

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



Image: HALSS-48-2L-SBM-BL-UV

**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-SBM-BL-UV Hazardous Location Lighting**

**Listing:** United States
**Dimensions:** W-9 1/2" L-54" H-6 3/4"
**Weight:** 35 Lbs
**Total Watts:** 80W*
**Voltage:** Universal 120-277V AC 50/60 H
**Total Intensity:** 16.2 W
**Lamp Life Expectancy:** 5,000 Hours
**Radiant Efficiency:** 202.5 mW/w
**Light Color:** Ultraviolet - UVA, UVB, or UVC
**Wavelengths:** 400-315Nm (UVA), 315-280Nm (UVB), or 280-100Nm (UVC)
**Beam Angle:** 150°
**Ambient Operating Temp Range:**-30°C to +70°C
**Operating Temp Rating:** T4C Rated
**Minimum Operating Temp:** -30°C
**Maximum Case Temp:** +90°C
**Housing Material:** 304 Stainless Steel
**Lens Material:** Hardened Glass
**Mounting:** Sliding Mount Brackets
**Wiring Hub:**1/2" NPT

**Ratings/Approvals:**

Class I Division 2, Groups A, B, C, D
UL 595 outdoor marine
UL 1598A Marine Type (Salt water)
Meets US Coast Guard specifications.

**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
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**Made in the USA**

**The Larson Electronics HALSS-48-2L-SBM-BL-UV Hazardous Area Fluorescent Ultraviolet Light Fixture is approved Class I Division 2 Groups A, B, C and D, UL 1598/A listed and is specifically designed to withstand high vibration locations and the rigors of wet and corrosive marine environments.**

The HALSS-48-2L-SBM-BL-UVH hazardous area ultraviolet 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 stainless steel housing, a poured in gasket for reliable sealing and a glass diffuser. 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 I Division 2 Groups A, B, C & D approved. The HALSS-48-2L-SBM-BL-UV also carries 1598A and 595 outdoor marine ratings and meets US Coast Guard specifications.



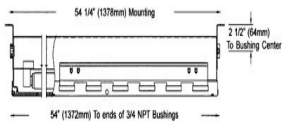
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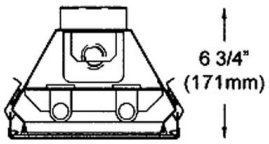
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9 1/2"
(241mm)

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 I Division 2 ETL rating make this light ideal for hazardous locations that require illumination with above average dependability.

**NOTE ON LAMPS:** This fixture comes equipped with ultraviolet lamps that produce radiation in the UV-A, UV-B, or UV-C wavelegth ranges.

**Ultraviolet Wavelength Options:**
Ultraviolet A Wavelength produces a longer wave between the 400nm - 315nm spectrum.
Ultraviolet B Wavelength produces a shorter wave than the UVA wavelength. These medium sized waves range from 315nm - 280nm.
Ultraviolet C wavelength is reduced exceptionally. Some refer to this wave as the `germicidal` wave. The Ultraviolet C Wavelength ranges from 280nm - 100nm.

**Sliding Mount Brackets:** This light is equipped with an adjustable sliding bracket mount design that allows greater mounting adjustability. Each bracket can be loosened and slid along the housing to lengthen or shorten the distance between brackets. The angle can also be adjusted to allow better directional control of the light output. These brackets are heavy gauge for durability and include stainless steel mounting hardware for corrosion resistance.

**Suggested Applications:** The HALSS-48-2L-SBM-BL-UV 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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### Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Sliding 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 glass.
6. 1/2 inch, threaded access hole for wiring conduit.

### Lamp Options

Lamp options for UV fixtures are determined by UV range.

Operators can specify when ordering- UVA (-A suffix), and UVB,(-B suffix) UVC (-C suffix).

T8 bulbs designed for UV applications are used.

The bulb and ballast in our UV fluorescent fixtures are unique to UV applications.

UVA(-A) 400nm - 315nm
UVB (-B) 315nm - 280nm
UVC (-C) 280nm - 100nm

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# Frequently Asked Questions (FAQ)

There are no Faqs

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**HALSS-48-2L-SBM-BL-UV**

**Product ID: 146470**

**Warranty:** 60 Months.

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**HALSS-48-2L-SBM-BL-UV-Wavelength**
**Example: HALSS-48-2L-SBM-BL-UV-UVA**

| Wavelength | |
|---|---|
| UVA | -UVA |
| UVB | -UVB |
| UVC | -UVC |

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**( https://www.larsonelectronics.com/images/product/Msds/146470.PDF )
- **HigResPic1**( https://www.larsonelectronics.com/images/product/HigResPic1/146470.JPG )
- **HigResPic2**( https://www.larsonelectronics.com/images/product/HigResPic2/146470.JPG )
- **HigResPic3**( https://www.larsonelectronics.com/images/product/HigResPic3/146470.JPG )
- **HigResPic4**( https://www.larsonelectronics.com/images/product/HigResPic4/146470.JPG )
- **HigResPic5**( https://www.larsonelectronics.com/images/product/HigResPic5/146470.JPG )
- **HigResPic6**( https://www.larsonelectronics.com/images/product/HigResPic6/146470.JPG )
- **HigResPic7**( https://www.larsonelectronics.com/images/product/HigResPic7/146470.JPG )
- **HigResPic8**( https://www.larsonelectronics.com/images/product/HigResPic8/146470.JPG )
- **HigResPic9**( https://www.larsonelectronics.com/images/product/HigResPic9/146470.JPG )
- **HigResPic10**( https://www.larsonelectronics.com/images/product/HigResPic10/146470.JPG )
- **Video1**( https://www.youtube.com/watch?v=12Quu_Q_Hml )
- **Video4**( https://www.youtube.com/watch?v=kqVBPI9B704 )
- **ISO 9001 Certification**( http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF )
- **Business Certificate**( https://www.larsonelectronics.com/images/pdfdocs/w9.PDF )
- **Shipping Time Map**( https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf )