Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

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Email: sales@LarsonElectronics.com
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HAL-48-2L-BL-UV

Class 1 Division 2 Fluorescent Light - 4 foot 2 lamp - UV bulbs - Glass Lens

Product ID: 45370

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.

HAL-48-2L-BL-UV Hazardous Location Ultraviolet

NRTL Listed for United States & Canada

Surface Mount Dimensions: 51.28"-L x 7.06"-W x 8.42"-H

Pendant Mount Dimensions: 51.1"-L x 7.06"-W x 6.65"-H
Weight: 33Lbs
Voltage: Universal 120-277V AC 50/60 H
Total Watts: 80W*
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: Extruded Aluminum - Copper Free

Lens Material: Borosilicate Glass

Gasket Material: Neoprene
Mounting: Surface Standard - Pendant Optional

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

Ratings/Approvals

Class 1 Division 2, Groups A,B,C,D
NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
NRTL Certified to UL 1598 Marine Type
Certified Canadian Standards
California Title 24 Compliant
T4C Temperature Rating
Silicone Free
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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Warranty: 5 Years**

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

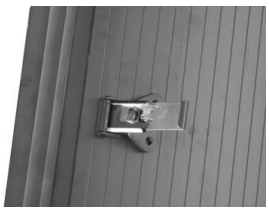
***Wattage totals vary with different lamp options.**

Made in Texas

The Larson Electronics HAL-48-2L-BL-UV Hazardous Location Ultraviolet Fluorescent Light Fixture is rated Class 1, Division 2, Groups A, B, C, and D and NRTL Listed for United States and Canada. This fixture uses a special ballast and bulb combination to produce light in the ultraviolet spectrum. This lamp is T4C temperature rated and ideal for hazardous locations where UV lamps are used to cure coatings and adhesives, as germicidal agents, or for non-destructive testing.
The HAL-48-2L-BL-UV fixture is a 4 foot long, 2 lamp, Class 1 Division 2 hazardous location fluorescent light that emits light in the ultraviolet spectrum. The HAL-48-2L-BL-UV can be configured to produce UVA or UVC light which is typically used for curing coatings or adhesives, pest management or in germicidal applications. The lamps are protected by an aluminum framed hinged glass door secured with four turn 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.
The HAL-48-2L-BL-UV provides operators in hazardous locations with a reliable and durable UV lighting solution for open areas where flammable chemicals and vapors may occasionally be present.



Click Photo to Enlarge



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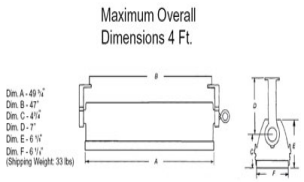
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Ultraviolet Wavelength Options:
Ultraviolet A Wavelength produces a longer wave between the 400nm - 315nm spectrum.
Ultraviolet B Wavelength produces a shorter wave than the UVA wavelength. These medium sized waves range from 315nm - 280nm.
Ultraviolet C wavelength is reduced exceptionally. Some refer to this wave as the `germicidal` wave. The Ultraviolet C Wavelength ranges from 280nm - 100nm.
Standard Surface Mount Brackets: Each L 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. Mounting brackets are removable. A single through hole enables the operator to install the light to any surface. A sliding bracket mount is available so operators can retrofit this LED light fixture to use the per-existing mounting holes from other fluorescent fixtures. The sliding mount brackets are available in the related items order section below..
Suggested Applications: Aircraft maintenance, Oil drilling rigs, Refineries, Solvent and cleaning areas, Gas processing plants, Chemical manufacturing, Waste treatment plants, Gas processing plants.

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets enable the operator to choose any mounting angle for the fixture, where other models may only offer one or three choices.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Relamping done via 4 turn latches, which enable the operator to unlatch the hinged door and access the lamps.
5. Heavy gauge extruded aluminum reflectors with high gloss reflective finish. Resists dents and corrosion.
6. 1/2" or 3/4", threaded access hole for wiring conduit.
7. Units are capable of being wired end to end in series.

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

Click here to see the LED version of this light fixture

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Frequently Asked Questions (FAQ)





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HAL-48-2L-BL-UV

Product ID: 45370

Export Control Classification Number (ECCN): EAR99

Options:

HAL-48-2L-BL-UV-Lamp-Mount-Hub Config

Example: HAL-48-2L-BL-UV-UVA-SFC-0.5IN

Lamp	
UVA	-UVA
UVB	-UVB
UVC	-UVC

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
- MSDS (Material Safety Data Sheet
- Operations Manual
- Solidworks EASM File
- SpecSheetArabic
- SpecSheetFrench
- SpecSheetSpanish
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- Video1
- Video2
- Video4
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map