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HALS-48-4L-LED-BL-VISUVA-365NM

Dual Hazardous Location LED Light - C1D2/C2D2 - White Light/UV LED - Glass Lens - T6

Product ID: 237954

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.

HALS-48-4L-LED-BL-VISUVA-365NM Hazardous Location LED Fixture
NRTL Listed for United States & Canada
Lamp Technology: LED
Lamp Qty: (4) - (2) White LED Light, (2) UV LED Light
Dimensions: W-15" x L-49 3/4" x H-6 1/8"
Weight: -
Voltage: Universal 120-277V AC, 50/60 Hz or 11-25V AC/DC
Total Watts: 123W
Single-lamp Watts: -
Total Lumens (White Light): 7,000 lms
Single-lamp Lumens (White Light): 3,500 lms
Total Intensity (UV Light): 38,400 mW
LED Lamp Life Expectancy: 50,000+ Hours
Luminous Efficacy (White Light): 125 Lumens per Watt
Efficiency (UV Light): 573 mW/w
Color Temp (White Light): 5600K, 5000K, 4500K, 4000K or 3000K
Color Rendering Index: >80
UV Wavelength: 365 nm
Lamp Type: -
Lamp Base: -
Replacement Lamp: -

Ratings/Approvals
Class I Division 2, Groups A,B,C,D
Class II, Division 2, Groups F,G
NRTL Certified to UL 595 Marine Type (Saltwater)
NRTL Certified to UL 1598A Marine Type
California Title 24 Compliant
Made in the USA

Beam Angle: 150°

Lighting Configuration: Flood Beam

Power Efficiency: 90%

Power Factor: >0.95

Amps: 1.025A @ 120V, 0.512A @ 240V, 0.44A @ 277V

Ambient Operating Temp Range: -30° C to +85°C

Operating Temp Rating: T6 Rated
Housing Material: Copper-free Aluminum
Lens Material: Glass
Gasket Material: -

Mounting: Surface Standard - Pendant Optional

Wiring Hub: 1/2" NPT

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Made in the USA

The Larson Electronics HALS-48-4L-LED-BL-VISUVA-365NM Dual Hazardous Location LED Light is recommended for illumination in areas where flammable chemical/petrochemical vapors, gases and/or pulverized dust and fibers exist or have the potential to exist. This 123-watt, four-lamp unit contains two, white LED lamps and two, UV LED lamps. The LED light is protected by a hinged glass door with turn latches.

******PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS HAZARDOUS LOCATION LIGHT FIXTURE******

This 4-foot long, 4 lamp LED 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 HALS-48-4L-LED-BL-VISUVA-365NM is equipped with two, standard white LED lamps and two, UV LED lamps. The white LED lamps offer 7,000 lumens of output at 3,500 lumens per lamp, with a CRI rating of 80. Color temperature options for the white LED lamps include the following: 5600K, 5000K, 4500K, 4000K or 3000K. The two, UV LED lamps emit 365nm UV light, providing 38,400 mW total intensity. The entire 123-watt lighting system features a 150° flood beam angle. The white LED light and UV LED light are setup on different circuits. This configuration enables operators to seamlessly switch between the two lights.

This four-lamp hazardous location LED linear fixture is lighter in weight, has a slimmer profile, and produces more light than traditional hazardous location fluorescent fixtures. The four-foot long LED tube design bulbs included with this unit are rated at 50,000 hours of service life, which is over twice as long as standard T8 bulbs.

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. This hazardous location unit is designed for Class I, Division 2 Groups A, B, C and D and Class II, Division 2 Groups F and G rated combustible sites.

We have eliminated the ballast box normally associated with hazardous location fluorescent fixtures which reduces overall weight and overall complexity of installation. There is no ballast in this unit and the LED lamps have a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. These LED lamps have internal drivers, eliminating external power components. The solid state design of the LED lamps give this fixture superior resistance to damage from vibration, extremes in temperature and a lamp service life over twice that of standard fluorescent bulbs.

Unlike the glass tube design of traditional fluorescent lamps, these LED T-Style lamps have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler

than fluorescent lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional fluorescent lighting.

Voltage: The HALS-48-4L-LED-BL-VISUVA-365NM is universal voltage, not multi-tap, and operates on any voltage from 120V to 277V AC 50/60hz without any modifications. We also make a 12/24V AC/DC version for low voltage applications for AC or DC power.

Our HALS-48-4L-LED-BL-VISUVA-365NM LED light fixture is NRTL Listed for United States and Canada approved. Please note, according to the NEC, using threaded rigid pipe does not require additional seal offs with this fixture. An EYM and seal off is necessary for flex conduit or other non-rigid pipe implementations.

Mounting Options: Unless otherwise specified, our standard, most popular configuration is bracket-end mounting. 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 Mounting: Each 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.

Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture features a 1/2” NPT junction box on one end, and a 1/2” NPT bracket on the other end of the fixture. Operators bring rigid pipe down to the threaded mounting hubs. Wiring is fed down through the rigid pipe to the junction box and tied in to the fixture’s lead wires, completing the electrical connection. The threaded mounting bracket provides support for the opposite end of the fixture.

Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, chemical manufacturing, waste treatment plants, gas processing plants and more.

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: 237954

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HALS-48-4L-LED-BL-VISUVA-365NM-Voltage-Color Temp-Mount

Example: HALS-48-4L-LED-BL-VISUVA-365NM-VAC-56K-SFC

Voltage	
120-277VAC	-VAC
11-25VDC	-VDC

Color Temp	
5600K	-56K
5000K	-50K
4500K	-45K
4000K	-40K
3000K	-30K

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- **HigResPic1**
- **Video1**
- **Video4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**