

0-10V Dimmable Hazardous Location LED Lighting 2' 2 Lamp Fixture - LED - C1D2 & C2D2 Instruction Manual

Thank you for your purchase of the Larson Electronics HALS-24-2L-LED-C-D-V2 hazardous location LED lighting fixture.

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The HALS-24-2L-LED-C-D-V2 fixture is a 2 foot long, 2 lamp, Class I Division 2 Groups A, B, C and D hazardous area dimmable LED light and a good choice for use in industrial applications and wet areas. This 0-10V dimming fixture is T4A temperature rated and comes standard with two T-8 fluorescent style LED lamps which produce a combined 3,500 lumens of light. The housing on this unit is constructed of powder coated 16 gauge steel for durability and contains a hinged reflector and ballast tray for easy and safe servicing. The lamps are held in place by spring loaded sockets and protected by a hinged glass door with a 3/16" tempered glass lens which is secured with turn latches.

Mounting

The HALS-24-2L-LED-C-D-V2 fixture is available in two different mounting configurations, pendant and surface, specified when ordering.

For surface mounting:

Two L-brackets enable the fixture to be simply secured to any flat surface capable of supporting the load. Three through holes provide sufficient mounting for any environment. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be repositioned by removing the adjustment bolts, rotating the fixture, and re-inserting the adjustment bolts in pre-drilled adjustment holes.

For pendant mounting:

Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture is equipped with two 1/2" 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. Seal all hubs with appropriately rated cable glands or hub covers/plugs in accordance with all applicable local and national codes to maintain ratings and safety standards within the hazardous area.



Lamp Replacement

To change lamp, release turn latches to open front lens of fixture. Keep hold of lens when removing, do not let it drop freely! Remove old lamps and replace with compatible lamps matching fixture ratings. Tighten latches.

Wiring

We strongly encourage a licensed electrician install this product, in all locations, especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 100V - 277V AC, 50 or 60Hz.

Warning: *Check product label for correct input voltage!*

Attach supply line wires to the appropriate light fixture wires as shown in the diagram →



Secure each pair of wires according to the diagram. Dimmer wires are marked (+) and (-) and need to be connected to dimmer switch as well. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes. Take any measures necessary to maintain ratings for hazardous area.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The HALS-24-2L-LED-C-D-V2 is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.