Larson Electronics LLC
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HAL-24-2L-LED-BMSW

Class 1 Div 2 LED Pivoting Light - 2 foot 2 lamp - LED T series Style (fluorescent replacement)

Product ID: 68823

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



Image: HAL-24-2L-LED-BMSW

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-24-2L-LED-BMSW Hazardous Area

Dimensions: W-7" L-25 1/2" H-6 1/8"
Weight: 14 Lbs
Voltage: Universal 120-277VAC 50/60 Hz or 11-25V AC/DC
Total Watts: 28 watts
Total Lumens: 3,500
LED Lamp Life Expectancy: 50,000+ Hours
Luminous Efficiency: 125 Lumens per Watt
Color Temp: 5600K, 4500K, 3000K
Color Rendering Index: >80
Beam Angle: 150°
Power Efficiency: 90%
Power Factor: >0.95
Ambient Operating Temp Range:-30° C to +85°C
Operating Temp Rating: T4A
Minimum Operating Temp: -30°C
Maximum Case Temp: +90°C
Housing Material: Sheet Aluminum
Lens Material: Acrylic
Mounting: Back Mount Swivel Bracket
Wiring Hub: 1/2" or 3/4" threaded

Ratings

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
NRTL Certified to UL 1598A Marine Type
California Title 24 Compliant
Class 1 Division 2, Groups A, B, C and D
NRTL Listed for United States and Canada

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 HAL-24-2L-LED-BMSW Hazardous Area LED Light Fixture is Class 1 Division 2 Groups A, B, C and D rated - NRTL Certified to UL 1598A, has a T4A temperature rating and ideal for hazardous locations where flammable chemical/petrochemical vapors may be occasionally encountered.

The HAL-24-2L-LED-BMSW fixture is a 2 foot long, 2 lamp, UL listed Class 1 Division 2 Groups A, B, C and D hazardous area LED light that takes the reliability and efficiency of a fluorescent fixture and adds even longer lamp life and efficiency with high output LEDs. This fixture is T4A temperature rated and comes standard with our high power 14 watt LED lamps. The lamps are protected by a powder coated aluminum frame and shatter and heat resistant clear acrylic lens secured with four zinc coated steel draw latches.

The fixture is constructed of copper free aluminum alloy and powder coated. The lamp reflector is corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. This fixture can be configured to run on 120 to 277VAC as well as 12-24VDC and is NRTL Certified to UL 595 and UL 1598A Marine Type approved for use marine environments. The HAL-24-2L-LED-BMSW is weatherproof and provides operators in hazardous locations with a highly efficient, reliable and affordable lighting solution for open areas where flammable chemicals and vapors may occasionally be present.



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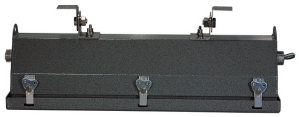
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We have eliminated the ballast normally associated with fluorescent fixtures which reduces overall weight, increases lamp life to an extreme 50,000 hours and helps this LED fixture maintain a T4A temperature rating. The solid state design of the included LED lamps give this fixture superior resistance to damage from vibrations and extremes in temperature as well as a lamp service life over twice that of standard T8 bulbs. The 14 watt LED lamps produce more illumination than standard T8 bulbs, but draw only 3/4 of the current. The current generation of Larson Electronics LED T-series style bulbs produce 15% more light than standard T8 bulbs.

This fixture is multi-voltage capable (not multi-tap) and works on the following voltages: 120 Volt 60 HZ, 220 Volt 50 HZ, 240 Volt 60 HZ, 277 Volts 60 HZ. We also make a 12-24V DC version for low voltage applications (-LV suffix). Our HAL-24-2L-LED LED light fixture is NRTL Listed for United States and Canada.

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 bolts on either side of the bracket. The bolts act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be pivoted by loosening the that hold the bracket to the mounting peg. This fixture allows 45 degrees of pivot from the 90 degree point.

Suggested Applications: Aircraft maintenance, Oil drilling rigs, Refineries, Solvent and cleaning areas, 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 streamlined ribbed corrosion-resistant, copper free extruded aluminum body for better hear dissipation and extended ballast life.
4. Aluminum extruded lens frame for greater strength
5. Relamping done via 10 draw latches, which enable the operator to unlatch the lens 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 can be wired end to end in series.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Image: HAL-24-2L-LED-BMSW HAL-24-2L-LED-BMSW Hazardous area light fixture

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Image: HAL-24-2L-LED-BMSW Side view of HAL-24-2L-LED-BMSW



Image: HAL-24-2L-LED-BMSW Back view of HAL-24-2L-LED-BMSW

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Image: HAL-24-2L-LED-BMSW HAL-24-2L-LED-BMSW 2 foot long 2 lamp hazardous area LED light

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HAL-24-2L-LED-BMSW

Product ID: 68823

Warranty: 60 Months.

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

HAL-24-2L-LED-BMSW-Voltage-Color Temp-Hub Config
Example: HAL-24-2L-LED-BMSW-1227-5600K-0.5IN

Voltage	
120-277V AC	-1227
12-24V AC/DC	-1224

Color Temp	
5600K	-5600K
4100K	-4500K
3000K	-3000K

Hub Config	
1/2IN	-0.5IN
3/4IN	-0.75IN

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/68823.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/68823.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/68823.ZIP)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/68823.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/68823.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/68823.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/68823.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/68823.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/68823.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/68823.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/68823.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/68823.JPG)
- **Video1**(https://www.youtube.com/watch?v=_PeY-ZQBIfM)
- **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)