Larson Electronics LLC
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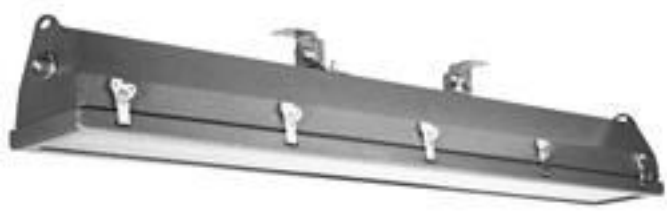
www.LarsonElectronics.com
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HAL-48-2L-BMSW

Class I Div 2 Pivoting Light - 4 Foot 2 Lamp - Offshore Fluorescent Rig Light - Meets USCG Specs

Product ID: 105153

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-BMSW Hazardous Area
Dimensions: 50"-L x 5.7"-W x 6.4"-H
Weight: 25.7 Lbs
Total Watts: 108 watts*
Total Lumens: 10,000
Voltage: Universal 120-277V AC
Luminous Efficiency: 90 Lumens per Watt
Lamp Life Expectancy: 20,000 Hours (T5HO)
Operating Temp Range: T4A rated -40°C to +65°C
Beam Angle: 150°
Color Temp: 5000K or 4000K - Color Rendering Index-75
Wiring Hub: 1/2" or 3/4" threaded
Materials: Sheet aluminum housing, acrylic lens
Mounting: Back Mount Swivel Bracket
*Lamp wattage may vary depending on lamp choice selected

Ratings/Approvals
Class I Division 2, Groups A, B, C & D
NRTL Certified to UL 844
NRTL Certified to UL 1598A Marine Type
Listed for Canada
T4 Temperature Rating
Meets USCG Specs
California Title 24 Compliant
NRTL Listed for United States & Canada

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

The Larson Electronics HAL-48-2L-BMSW Hazardous Area Fluorescent Light Fixture is NRTL Listed for United States and Canada Class I Division 2 Groups A, B, C and D - NRTL Certified to UL 1598A listed, has a T4A temperature rating and ideal for hazardous locations where flammable

chemical/petrochemical vapors may be occasionally encountered. This hazardous location light carries a United States Coast Guard approval, making it ideal for applications such as oil rigs, ships, offshore applications, petrochemical, manufacturing, chemical storage, and water treatment centers.

This four foot long, two lamp fluorescent 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. This fixture is T4A temperature rated and comes standard with 54 watt T5HO lamps producing a combined total of 10,000 lumens. We also offer T8 or T12HO lamps as alternatives. The lamps are protected by a powder coated aluminum frame and shatter and heat resistant clear acrylic lens secured with ten zinc coated steel draw latches.

This fixture carries a T4A temperature rating and is NRTL Certified to U.L. 595 and UL 1598A Marine Type approved for use in marine environments. The fixture is constructed of copper free sheet aluminum and powder coated. The lamp reflector is corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. The HAL-48-2L-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. Click here to read the NEC description for explosion proof and hazardous locations.

Click here to see the new HAL-48-2L-ITG-LED-BMSW Class I Division 2 integrated LED fixture producing 19,200 lumens.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

Energy Consumption Comparison

	T5HO	T8	LED
Wattage	108 watts	64 watts	56 watts
Amp Draw @ 120V AC	0.90 amps	0.54 amps	0.47 amps
Amp Draw @ 220V AC	0.49 amps	0.29 amps	0.25 amps
Amp Draw @ 240V AC	0.45 amps	0.27 amps	0.23 amps
Amp Draw @ 277V AC	0.39 amps	0.24 amps	0.20 amps
Amp Draw @ 12V DC	9 amps	5.34 amps	4.67 amps
Amp Draw @ 24V DC	4.5 amps	2.67 amps	2.34 amps
Lamp Life Expectancy	20,000 hours	24,000 hours	50,000 hours
Color Temperature	5000K / 4100K	4100K	5600K
Operation cost per year (12hs/day @ 12c/kWh)	$56.77	$33.64	$29.43

Mounting Options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown enlarged below. 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.

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 bolts that hold the bracket to the mounting peg. This fixture allows 45° of pivot from the 90° point.
Suggested Applications: Aircraft maintenance, oil drilling rigs, refineries, marine and salt water environments, ships, tankers, offshore, 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 sheet aluminum body for better hear dissipation and extended ballast life.
4. Aluminum lens frame for greater strength
5. Re-lamping done via 10 draw latches, which enable the operator to unlatch the lens and access the lamps.
5. Heavy gauge 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.

Lamp Options

F54-T5/850/HO – 54 Watt, 5000 lumens per bulb, 20,000 hours life, 5000 Kelvin color
F54-T5/841/HO – 54 Watt, 5000 lumens per bulb, 20,000 hours life, 4100 Kelvin color
F48-T12/HO – 4050 lumens per bulb, 12,000 hours life, 4100 Kelvin color
F32-T8/850– 2950 lumens per bulb, 24,000 hours life, 5000 Kelvin color
F32-T8/841– 2950 lumens per bulb, 24,000 hours life, 4100 Kelvin color

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Frequently Asked Questions (FAQ)







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HAL-48-2L-BMSW

Product ID: 105153

Export Control Classification Number (ECCN): EAR99

Options:

HAL-48-2L-BMSW-Lamp-Hub Config

Example: HAL-48-2L-BMSW-50KT5HO-0.5IN

Lamp	
5000K T5HO	-50KT5HO
4100K T5HO	-41KT5HO
5000K T8	-50KT8
4100K T8	-41KT8
T12HO	-T12HO

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**
- **SpecSheetFarsi**
- **SpecSheetRussian**
- **SpecSheetSpanish**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**