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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

## HAL-EMG-48-3L-BMSW-T8

**C1D2 Pivoting Light - 4' 3 Lamp - Offshore Fluorescent Rig Light - USCG Specs - Emg. Batt. Backup**

**Product ID: 146719**

**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-EMG-48-3L-BMSW-T8 Hazardous Area Light Fixture w/ Emergency Battery Backup**
**NRTL Listed for United States & Canada**
**Dimensions: 51.1"-L x 7.09"-W x 8.65"-H**
**Weight: 27 lbs**
**Total Watts: 96 watts**
**Total Lumens:** 8,850
**Voltage:** Universal 120-277V AC
**Lamp Life Expectancy: 24,000 Hours**
**Luminous Efficiency: 92.18 Lm/W**
**Operating Temp Range: T4A rated -40°C to +65°C**
**Beam Angle: 150°**
**Color Temp: 5000K or 4100K**
**Mounting: Back Mount Swivel Bracket**
**Wiring Hub: 1/2" or 3/4" threaded**
**Materials:** Sheet aluminum housing, acrylic lens

**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
Emergency Battery Backup
90 Minutes of Emergency Runtime

**Special Orders - Special Requirements**

Contact us for special requirements
**Toll Free:** 1-800-369-6671
**Intl:** 1-903-270-1187
**Fax:** 1-903-498-3364
**E-mail:** sales@larsonelectronics.com

**Made in the USA**

**The Larson Electronics HAL-EMG-48-3L-BMSW-T8 Hazardous Area Fluorescent Light Fixture with Emergency Battery Backup 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. The HAL-EMG-48-3L-BMSW-T8 features emergency battery backup that when activated will operate one bulb on the light for up to 90 minutes or until power is restored.**

This four foot long, three lamp fluorescent fixture is ideal for operators seeking a top quality hazardous location light with emergency battery backup that will reduce operating costs, improve lighting quality and reduce downtime incurred from frequent servicing intervals or from loss of power. This fixture is T4A temperature rated and comes standard with 32 watt T8 lamps producing a combined total of 8,850 lumens. 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 fluorescent light works, mounts and is wired like our HAL-48-3L-BMSW hazardous location fluorescent light fixtures. The main difference is that we attach a battery backup unit that adds emergency light functionality to the fixture. This hazardous location emergency light will run one of the three bulbs for the standard 90 minutes after power is lost. The light recharges the battery once electrical power is restored. Standard configuration includes a single emergency ballast that will run a single lamp at 2950 lumens for 90 minutes. The battery backup unit includes a switched leg for turning the light fixture on/off without kicking the unit into emergency mode.

This fixture carries a T4A temperature rating and is NRTL Certified to UL 595 and UL 1598A Marine Type listed 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-EMG-48-3L-BMSW-T8 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 Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge







**Energy Consumption Comparison**

| | T5HO | T8 | LED |
|---|---|---|---|
| Wattage | 162 watts | 96 watts | 84 watts |
| Amp Draw @ 120V AC | 1.35 amps | 0.8 amps | 0.7 amps |
| Amp Draw @ 220V AC | 0.74 amps | 0.44 amps | 0.38 amps |
| Amp Draw @ 240V AC | 0.68 amps | 0.4 amps | 0.35 amps |
| Amp Draw @ 277V AC | 0.59 amps | 0.35 amps | 0.3 amps |
| Amp Draw @ 12V DC | 13.5 amps | 8.00 amps | 7.0 amps |
| Amp Draw @ 24V DC | 6.75 amps | 4.00 amps | 3.5 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) | $85.15 | $50.47 | $44.15 |

**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 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.
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.

### 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.
6. Heavy gauge aluminum reflectors with high gloss reflective finish. Resists dents and corrosion.
7. 1/2" or 3/4", threaded access hole for wiring conduit.
8. Units can be wired end to end in series.

### Lamp Options

**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-EMG-48-3L-BMSW-T8**

**Product ID: 146719**

**Warranty:** 60 Months

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**HAL-EMG-48-3L-BMSW-T8-Color Temp-Hub Config**

**Example: HAL-EMG-48-3L-BMSW-T8-5000K-0.5IN**

| Color Temp | |
|---|---|
| 5000K | -5000K |
| 4100K | -4100K |

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

Links (Click on the below items to view):

- MSDS (Material Safety Data Sheet
- SpecSheetSpanish
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map