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## HAL-48-3L-LED-BMSW-D-50C-1523

# Dimmable Class 1 Division 2 LED Pivoting Light - 4 foot 3 lamp - LED Rig Light - 50' Cord - EXP Plug

**Product ID: 105167**

**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-48-3L-LED-BMSW-D-50C-1523 Hazardous Area LED Rig Light**

**Lamp Type: Dimmable LED Tube**
**Listing: United States - Canada**
**Dimensions:** 51.1"-L x 7.09"-W x 8.65"-H
**Weight:** 23.4 Lbs
**Voltage:** Universal 90-130V 50/60Hz
**Total Watts:** 69 watts
**Total Lumens: 8,625**
**LED Lamp Life Expectancy:** 50,000 Hours
**Luminous Efficiency:** 125 Lumens per Watt
**Color Temp:** 5600K or 4100K
**Color Rendering Index:** >80
**Beam Angle:** 150°
**Power Efficiency:** 90%
**Power Factor:** >0.95
**Ambient Operating Temp Range:**-40° C to +65°C
**Operating Temp Rating:** T4 Rated
**Minimum Operating Temp:** -30°C
**Maximum Case Temp:** +90°C
**Housing Material:** Sheet Aluminum
**Lens Material: Shatter/Heat Resistant Acrylic Lens**
**Finish: Corrosion Resistant Industrial Powder Coating**
**Mounting:** Back Mount Swivel Bracket

**Ratings/Approvals**

NRTL Listed for United States and Canada
Class 1, Division 2, Groups A, B, C, D
NRTL Certified to UL 844
NRTL Certified to UL 1598A Marine Type
Certified to Canadian Standards
Meets USCG Specifications
LEL Listed LED Lamps
Made in the USA
Dimmable LED Lamps

**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

**Wiring:** EYS, 50` 16/3 SOOW, 1523 EXP Plug

**E-mail:** sales@larsonelectronics.com

**Made in the USA**

**The Larson Electronics HAL-48-3L-LED-BMSW-D-50C-1523 Dimmable Hazardous Area LED Light Fixture is NRTL Listed for United States and Canada Class 1 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.**

The HAL-48-3L-LED-BMSW-D-50C-1523 Dimmable LED fixture is a 4 foot long, 3 lamp, 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 three of our high power dimmable 23 watt LED lamps. 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.



Click Photo to Enlarge | Click Photo to Enlarge | Click Photo to Enlarge

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 is universal voltage and can run directly off any voltage ranging from 90 volts to 132 volts AC, including 110 volts, 115 volts, and 120 volts AC. The BMSW series of hazardous location LED fixtures are NRTL Certified to UL 844 and UL 1598A Marine Type approved for use marine environments. The HAL-48-3L-LED-BMSW-D-50C-1523 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.

We have eliminated the ballast normally associated with fluorescent fixtures which reduces overall weight and overall complexity of installation. There is no ballast in this unit and the included dimmable LEDT8-48-D LED lamps have a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. 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. This dimming LED tube uses electronic silicon control dimming. We have tested this lamp on all Lutron and Leviton electronic dimmers, such as the Leviton 6633-PLW. When using electronic dimmer switches, fixtures equipped with the LEDT8-48-D LED bulb will dim from 0% up to 100% via the user provided dimming switch. This lamp will not work on voltage outside of the 90-132V AC range and internal damage may occur when higher voltage is applied to the lamp.

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. The LED assembly is mounted to the "tube" constructed from extruded aluminum, with a polycarbonate lens protecting the LEDs. 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.
The 23 watt LED lamps produce 30% more illumination than standard T8 bulbs while offering lower amp draw and increased reliability. Each lamp produces 2,875 lumens at 125 lumens per watt, for a combined 8,625 total lumen light output. This LED version, with a total of 69 watts, draws only 0.58 amps at 120 volts AC. This results in a lower amp draw while still providing increased reliability and light output.
The HAL-48-3L-LED-BMSW-D-50C-1523 is universal voltage, not multi-tap, and operates on any voltage from 90V to 130V AC 50/60hz without any modifications. This fixture is equipped with an EYS sealoff to complete the Class 1 Division 2 certification, 50` of 16/3 SOOW cable, and terminated in a 5-15 explosion proof straight blade cord cap.
**Standard Swivel Mounting Brackets:** The light fixture mounts via two L shaped swiveling brackets. The angle of the bracket is set by tightening the nut and bolt on each bracket. The bolt and lock washer act as a set screw, securing the fixture in place once the position is set. The bracket itself is mounted via a single 3/8" bolt hole at the top the bracket. Once the brackets are mounted to a flat surface, the fixture can be pivoted by loosening the nut and bolt that hold the bracket to the fixture. This fixture allows 45° of pivot from the 90° point.
**Suggested Applications:** Aircraft maintenance, Oil drilling rigs, Refineries, Solvent and cleaning areas, Chemical manufacturing, Waste treatment plants, Gas processing plants, Offshore, Ships, Marine Applications.

### 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. EYS Sealoff, 50` 16/3 SOOW, EXP 1523 Plug
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)



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**HAL-48-3L-LED-BMSW-D-50C-1523**
**Product ID: 105167**

**Warranty:** 60 Months

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

**Options:**
**HAL-48-3L-LED-BMSW-D-50C-1523-Color Temp-Hub Config**
**Example: HAL-48-3L-LED-BMSW-D-50C-1523-5600K-0.5IN**

| Color Temp | |
|---|---|
| 5600K | -5600K |
| 4100K | -4100K |

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

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map