Larson Electronics LLC
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ATEX-EPLSS-24-32W-LED

32 Watt Stainless Steel Zone 1 & 2 LED Fixture - Corrosion Resistant - ATEX/IECEx Approved - 2ft

Product ID: 69994

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.

ATEX-EPLSS-24-32W-LED ATEX LED Lighting

Listing: ATEX, IEC, IECEx, CE, RoHS

Dimensions: W-6.7" L-27.9 " H-3.7"

Weight: 14.3 Lbs

Voltage: 100-277 Volts AC 50/60hz
Total Watts: 32 Watts
Total Lumens: 2600
Lamp Life Expectancy: 100,000 Hours
Luminous Efficiency: 81 Lumens per Watt

Color Temp: 5000K, 4000K

Color Rendering Index: 70

Beam Angle: 150°

Power Efficiency: 90%

Power Factor: >0.9

Ambient Operating Temp Range: >-20°C to +60°C

Operating Temp Rating: T4

Minimum Operating Temp: -20° C
Maximum Case Temp: +60° C
Housing Material: 316 Marine grade stainless steel
Lens Material: High impact resistant polycarbonate

Ratings/Approvals

Ex II 2GD e mb IIC T4 Gb

Ex tb IIIC T135°C Db

ATEX Zones 1 & 21 and 2 & 22

IP-66/67 Rated

RoHS compliant
IK09 to EN 50102
C & D Shock compliant to MOD specifications BR8470

Special Orders - Special Requirements

Contact us for special requirements

Mounting: (2) M8 fixing points - 316 Marine Grade
Wiring Hub: 2 x M20 glands

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The Larson Electronics ATEX-EPLSS-24-32W-LED Zone 1 & 2 LED Light Fixture is ATEX approved for Zone 1 & 21 and Zone 2 & 22 and is specifically designed to withstand high vibration locations and the rigors of wet and corrosive marine environments.

The ATEX-EPLSS-24-32W-LED Zone 1 & 2 LED light fixture is designed for use in wet areas and saltwater-marine environments where corrosion resistance is critical to equipment longevity and safety. This Ex rated fixture is constructed of non-corrosive materials including a 316 marine grade stainless steel housing, solid state LEDs, and a high impact resistant polycarbonate diffuser. The integrated LEDs within this fixture add greater light output, longer lamp life and add even better resistance to damage from vibration and impacts.
This fixture is ATEX II 2 G D, Ex e mb IIC T4 Gb approved for use in Zones 1 & 21 and 2 & 22. The ATEX-EPLSS-48-64W-LED also carries IECx approvals and C & D shock compliant to MOD specifications BR8470.

This fixture is designed for heavy duty use in applications where intense vibration and corrosive environments may be encountered. Stainless steel construction, high impact polycarbonate lens, and a Zone 1 ATEX rating make this light ideal for explosion proof areas that require illumination with above average dependability.

We have eliminated the ballast normally associated with fluorescent fixtures which reduces overall weight, increases lamp life to an extreme 100,000 hours and helps this LED fixture maintain a T4 temperature rating. The solid state design of the included LEDs 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 32 watt LEDs produce more illumination than standard fluorescents, but draws less current. 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.
Suggested Applications: The ATEX-EPLSS-24-32W-LED is designed for marine wet and damp locations, where corrosion resistant fluorescent lights are required. This lamp is also ideal for locations where heavy vibratory conditions are present. This includes petrochemical facilities, lubrication pits, oil drilling rigs, crew quarters, solvent/cleaning areas, water treatment areas, processing plants and marine loading docks.

Superior LED Benefits

1. L70 rated for >100,000 hours @ 25°C ambient.
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 LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Superior color rendering index compared to HPS, LPS and MV.
12. Universal input (100-2770V AC, 50/60Hz).

13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. Easy retrofit solution for existing fluorescent fittings due to same size and fixing centers.

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Frequently Asked Questions (FAQ)

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ATEX-EPLSS-24-32W-LED

Product ID: 69994

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **IES (Photometric File)**
- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**