Larson Electronics LLC
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Product ID: 148963

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



Image:

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.

GVP-EMG-24-2L-LED-SFC-2XM24

Lamp Type: LED
Listing: United States - Canada
Dimensions: 25"L x 5-7/8"W x 4-3/16"H
Weight: 4 lbs
Voltage: Universal 120-277V AC 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 Lm/W
Color Temp: 5600K, 4500K or 3000K
Color Rendering Index: >80
Beam Angle: 160°
Power Efficiency: 90%
Power Factor: >0.95
Battery Backup: 90 Minute Runtime
Ambient Operating Temp Range: -30°C to +85°C
Housing Material: Polycarbonate
Lens Material: Polycarbonate
Mounting: Surface Mount
Wiring: (2) M24 Brass Cable Gland Hubs

Features

High Output T8 Style LED Tube Lamps
50,000+ Hour LED Life Span
Reduced Energy Consumption With Improved Output
Vapor Proof
Vibration/Shock/Impact Resistant
Battery Backup

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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Made in the USA

The GVP-EMG-24-2L-LED-SFC-2XM24 from Larson Electronics is a Vapor Proof Emergency LED Light Fixture is similar to our popular explosion proof LED fixtures and provides an LED alternative to fluorescent fixtures that provides longer lamp life and higher performance. These two foot LED fixtures produce more output with longer lamp life and are vapor proof and impact / vibration resistant. Please note that this unit is vapor proof and not approved for use in hazardous locations. Two M24 brass cable gland hubs are equipped on this fixture for wiring.

The GVP-EMG-24-2L-LED-SFC-2XM24 is equipped with two specially designed LED T8-series bulbs which produce 1,750 lumens each and have a correlated color temperature of 5,600K, 4,500K, or 3,000K. The GVP-EMG-24-2L-LED-SFC-2XM24, two foot long, two lamp LED light fixture is designed for those who wish to replace or upgrade from fluorescent equipped fixtures and offers better light output and longer lamp life with reduced maintenance costs. With no ballast and solid state LED light tubes, this fixture draws less than 0.3 amps while offering durability and versatility that common fluorescent fixtures cannot match.

This emergency LED light works and is wired like our GVP-EMG-24-2L-LED-SFC-2XM24 vapor proof LED light fixtures. The main difference is that we add a battery backup unit that adds emergency light functionality to the fixture. This vapor proof emergency light will run one bulb at the standard UL suggested 90 minutes after power is lost at 1,750 lumens. The light recharges the battery once electrical power is restored. Standard configuration includes a single emergency battery backup that is automatically recharged and kept in a ready state.

We have eliminated the ballast normally associated with explosion proof fluorescent fixtures which reduces overall weight and overall complexity of installation. There is no ballast in this unit and the included LEDT8-24-V1 LED lamps have a 50,000+ hour service life, both of which result in extreme efficiency and greatly reduced maintenance costs. These fluorescent LED lamps have internal drivers, eliminating external power components. 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 second generation lamp is offered in 5600K cool white, 4500K natural white, and 3000K warm white. Our standard unit ships with 5600K unless different color temperature is specified.

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 14 watt LED lamps produce more illumination than standard fluorescent bulbs, but help this unit draw only 1/3 of the current of comparable fluorescent fixtures. The GVP-EMG-24-2L-LED-SFC-2XM24 is universal voltage and operates on any voltage from 110V to 277V AC

50/60hz. Integral aluminum heat sink tube backings provide cool operation and long LED life, while a simple latching system seals the lens cover to the housing and provides easy access for re-lamping.

Flange type aluminum mounts attached at each end of this LED and enables it to be simply secured to any surface. The mounts provide some shock absorbency protection while enabling the user to simply mount the fixture with the through-hole taps that protrude on each side of the fixture.

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.

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 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. 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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Product ID: 148963

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

Options:

-Voltage-Color Temp
Example: -1227-56K

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

Color Temp	
5600K	-56K
4500K	45K
3000K	-30K

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com//images/product/DimensionalDrawing/148963.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com//images/product/Step/148963.ZIP)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/148963.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/148963.JPG)
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