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GVP-48-2L-LED-D-V2

0-10V Dimmable 56 Watt Vapor Proof LED 4 Foot Light for Outdoor Applications - 7000 Lumens - IP67

Product ID: 150167

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.

GVP-48-2L-LED-D-V2

Listing: United States - Canada
Dimensions: 49-3/4"L x 5-7/8"W x 4-3/16"H
Weight: 5 lbs
Voltage: Universal 120-277VAC 50/60 Hz or 11-25V AC/DC
Total Watts: 56W
Total Lumens: 7,000
Luminous Efficacy: 125 Lumens per Watt
LED Lamp Life Expectancy: 50,000+ Hours
Color Temp: 5600K, 4500K, 3000K
Color Rendering Index: >80
Beam Angle: 160°
Power Efficiency: 90%
Power Factor: >0.95
Ambient Operating Temp Range:-40° C to +65°C
Mounting: Surface or Chain Standard
Wiring Hub: 1/2" NPT

Features

High Output T8 Style LED Tube Lamps
50,000+ Hour LED Life Span
Reduced Energy Consumption With Improved Output
Vapor Proof
Vibration Shock Resistant
ETL Approved for Wet Locations
0-10V Dimmable

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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The Larson Electronics GVP-48-2L-LED 0-10V Dimmable 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 dimmable LED lamp fixtures produce

more output with longer lamp life and are vapor proof and impact/ vibration resistant. This vapor proof LED light is ideal for applications such as ships, offshore applications, marine (saltwater) use, manufacturing, water treatment centers, shopping malls, parking structures, and outdoor flood lighting.

Please note that this unit is vapor proof and not approved for use in hazardous locations.

This four foot long, two lamp 0-10V dimmable LED fixture is ideal for operators seeking a top quality vapor proof light that will reduce operating costs, improve lighting quality and reduce downtime incurred from frequent servicing intervals. The GVP-48-2L-LED-D-V2 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 fixture is equipped with two specially designed LED T8 style LED bulbs which produce 3500 lumens each and have a color temperature of 5600K or 4500K. The GVP-48-2L-LED-D-V2, four 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 1 amp of power while offering durability and versatility that common fluorescent fixtures cannot match.

This LED light fixture features 0-10V dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the brightness needs of any lighting situation. A 0-10V dimmable light works through the use of a DC control signal that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications.

We now offer our second generation LED tube lamps with this fixture which have increased this hazardous location light's performance. This two lamp HAZLOC LED linear fixture is lighter in weight and produces more light than hazardous location fluorescent fixtures. The four foot long LED tube design bulbs included with this unit are rated at 50,000 hours of service life, which is over twice as long as standard T8 bulbs.



Click Photo to Enlarge

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 LEDT8-28W-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 28 watt LED lamps produce 30% more illumination than standard T8 bulbs while offering lower amp draw and increased reliability. Each lamp produces 3,500 lumens at 125 lumens per watt, for a combined 7,000 total lumen light output. A four foot, two lamp T8 fluorescent light, with a combined total of 64 watts, draws 0.54 amps at 120 volts AC. This LED version of the same light, with a total of 56 watts, draws only 0.47 amps at 120 volts AC. The GVP-48-2L-LED-D-V2 is universal voltage, not multi-tap, and operates on any voltage from 120V to 277V AC 50/60hz without any modifications. We also make a 12/24V AC/DC version for low voltage applications for AC or DC power.

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

This unit is designed to be either surface mounted or hung from cable or chain and includes built in mounts. The GVP-48-2L-LED-D-V2 light fixture is ideal for indoor-outdoor applications and suitable for use as general area lighting, shop lighting, work space lighting, garage and warehouse lighting, and anywhere a rugged and dependable fixture with high output and efficiency is needed. This light comes with a multi-purpose mounting bracket that can be used for a direct surface mount or reversed and used for chain hanging the unit.

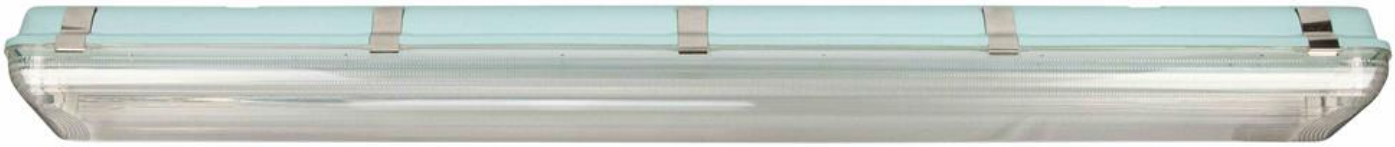
Superior LED Benefits

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)









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GVP-48-2L-LED-D-V2
Product ID: 150167

Warranty: 60 Months

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

Options:
GVP-48-2L-LED-D-V2-Voltage-Color Temp
Example: GVP-48-2L-LED-D-V2-1227-56K

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

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

Links (Click on the below items to view):

- **Beam Information (Coverage, Datafile)**
- **LM80**
- **Operations Manual**
- **Photometric Flood Report**
- **Photometric Indoor Report**
- **Photometric Polar Graph**
- **Spectrum Curve (Wavelength Graph)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**