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GVP-24-1L-LED-DNMS

14W Vapor Proof LED 2' Light - Motion + Day/Night Sensor - 1750 Lumens - IP67 - Outdoor Approved

Product ID: 148111

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-24-1L-LED-DNMS 2` LED Fixture w/ Motion+Day/Night Sensor

Listing: United States - Canada
Dimensions: 25"L x 5-7/8"W x 4-3/16"H
Weight: 4 lbs
Voltage: 120V, 220-240V, 12V, or 24V
Total Watts: 14W
Total Lumens: 1,750
Luminous Efficacy: 125 Lm/W
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 & Improved Output
Vapor Proof
Vibration Shock Resistant
ETL Approved for Wet Locations
Motion + Day/Night Sensor
Extremely Versatile w/ Several Operation Modes
Adjustable for Sensitivity, Time Delay & Lux

Special Orders - Special Requirements

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

The GVP-24-1L-LED-DNMS from Larson Electronics is a Vapor Proof LED Fixture with Day/Night & Motion Sensing Capability that provides an LED alternative to fluorescent fixtures while providing longer lamp life and higher performance. The GVP-24-1L-LED-DNMS 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. This LED fixture 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 two foot long, two lamp 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-24-1L-LED-DNMS 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 one specially designed LED T8 style LED bulb which produces 1,750 lumens and has a color temperature of 5600K, 4500K or 3000K. The GVP-24-1L-LED-DNMS, 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 1 amp of power while offering durability and versatility that common fluorescent fixtures cannot match.

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

Surface Mount **Cable/Chain Mount**

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 LEDT8-24-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 a different color temperature is specified.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

The 14 watt LED lamp produce 30% more illumination than standard T8 bulbs while offering lower amp draw and increased reliability. It lamp produces 1,750

lumens at 125 lumens per watt. A two foot, one lamp T8 fluorescent light, with a combined total of 32 watts, draws 0.28 amps at 120 volts AC. This LED version of the same light, with a total of 28 watts, draws only 0.24 amps at 120 volts AC. The GVP-24-1L-LED-DNMS is available in the following voltage configurations: 120V, 220-240V, 12V, or 24V. Please make your selection below when ordering.

Click Photo to Enlarge

Sensor Technology: The GVP-24-1L-LED-DNMS is equipped with an innovative and powerful day/night + motion sensor. This sensor, which is located inside the light fixture itself, allows the GVP-24-1L-LED-DNMS to operate in one of several different and versatile modes. This LED light fixture can be set to be motion activated, day/night activated or in a combination of motion sensing and day/night modes. This high-tech sensor is also highly adjustable and allows operators to modify the following settings: motion sensor sensitivity, motion sensor time-delay and the intensity output level of the fixture. Having this degree of flexibility in operation and settings offers operators an incredibly versatile light fixture.

Sensor Versatility: The impressive versatility of the motion + day/night sensor found in the GVP-24-1L-LED-DNMS LED light fixture allows for a lot of creativity in the setup of a single one of these light fixtures. However, the versatility is further increased when multiple units are to be installed together such as in a parking garage or other similar structure. Operators can take advantage of the sensor versatility to set up an energy efficient and automated lighting setup. Take a parking garage for example. Operators would be able to set up a sequence of GVP-24-1L-LED-DNMS fixtures with alternating lights on seperate circuits. The first circuit would have sensors set to a lower lux level than the fixtures on the second circuit. This hypothetical setup would allow half the lights to come on as daylight began to fade and the rest of the lights would only come on once complete darkness had fallen. The fixtures could then be adjusted for motion sensing which would allow selected fixtures to power on when pedestrian or vehicle movement was detected and then turn off after an operator chosen interval to conserve energy. This is just one example of the flexibility and versatility that can be achieved with the GVP-24-1L-LED-DNMS.

Energy Consumption Comparison

	T5HO	T8	LED
Wattage	54 watts	32 watts	28 watts
Amp Draw @ 120V AC	0.47 amps	0.28 amps	0.24 amps
Amp Draw @ 220V AC	0.26 amps	0.15 amps	0.13 amps
Amp Draw @ 240V AC	0.24 amps	0.14 amps	0.12 amps
Amp Draw @ 277V AC	0.21 amps	0.12 amps	0.10 amps
Amp Draw @ 12V DC	4.5 amps	2.67 amps	2.34 amps
Amp Draw @ 24V DC	2.25 amps	1.34 amps	1.17 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)	$28.38	$16.82	$14.72

This unit is designed to be either surface mounted or hung from cable or chain and includes built in mounts. The GVP-24-1L-LED-DNMS 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.

Suggested Applications: Parking garages, ships, offshore applications, warehouses, shopping malls, parking lots, parking structures, outdoor flood lighting and any other applications that require a versatile and durable source of illumination with motion and day/night sensing capabilities.

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)





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GVP-24-1L-LED-DNMS
Product ID: 148111

Warranty: 60 Months

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

Options:
GVP-24-1L-LED-DNMS-Voltage-Color Temp
Example: GVP-24-1L-LED-DNMS-120V-56K

Voltage	
120V	-120V
220-240V	-220.240V
12V	-12V
24V	-24V

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

Links (Click on the below items to view):

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