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GVP-24-2L-LV-SOL-DNS-M1

28W Solar Powered LED Light - 12V DC - Day/Night Sensor, Lithium-ion Battery - On/Off Switch - Vaporproof

Product ID: 264851

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-24-2L-LV-SOL-DNS-M1 Vapor Proof Solar Powered LED Light Fixture

Lamp Type: Solar LED
Lamp Dimensions: 8.5"H x 27.5"L x 11.25"W
Solar Panel Dimensions: 11.38" L x 15.75" D
Weight: 32 lbs
Voltage: 12V DC
Battery: (1) 20aH Lithium-ion
Runtime: 10 Hours
Charging Time 5 Hours
Total Watts: 28W
Lumens: 3,500
Luminous Efficacy: 125 Lm/W
LED Lamp Life Expectancy: 50,000+ Hours
Color Temp: 5300K
Color Rendering Index: >80
Beam Angle: 150°
Lighting Configuration: Wide Flood Beam
Power Efficiency: >90%
Power Factor: >0.85
Sensor Type: Day/Night
Switch: Inline On/Off
Amperage: 2.3A@12V DC
Operating Temp Range: -40°C to +65°C
Operating Temp Rating: T6

Ratings/Approvals

Certified to UL 1598 Marine Type
Certified to UL 595 Outdoor Marine Type (Saltwater)
Day/Night Sensor Activates Light

Special Orders - Special Requirements

Contact us for special requirements

Housing Material: Cast Aluminum

Lens Material: Tempered Glass

Mounting: Bracket Standard - Pendant Optional

Wiring: 20` 12/2 SOOW Cord - Panel to Switch, 15' 12/2 SOOW Cord - Switch to Light

Intl: 1-903-270-1187

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Made in Texas

The GVP-24-2L-LV-SOL-DNS-M1 from Larson Electronics is a Vapor Proof Solar Power LED Light Fixture that is an ideal lighting solution for remote areas and standalone applications where connection to external power is either impractical or unavailable. This powerful yet compact vapor proof LED light delivers crisp, clean light while reducing operating costs. Charged by a 30 watt solar panel, one 12V AC 20aH lithium-ion battery provides constant, reliable power to the 2 tube, 28-watt fixture. This vapor proof LED solar power light is also equipped with a day/night sensor that turns the light in low-light conditions.

Light Features: This 2 foot long, 2 LED tube, vapor proof solar LED light fixture is ideal for use in remote locations requiring powerful yet compact LED lighting. The GVP-24-2L-LV-SOL-DNS-M1 features our second generation LED T-series 14 watt T17 style lamps which produce 15% more illumination at 8 feet as compared to standard T8 lamps when measured with an Extech light meter. Our LED-T series bulbs are visibly brighter than standard T8s and have consistently surprised many of our customers with their unexpectedly high light output levels. We have eliminated the ballast box normally associated with fluorescent fixtures which reduces overall weight, creates a slimmer unit profile, and helps this LED fixture maintain a T-6 temperature rating. The solid state design of the LED lamps gives 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.

Mounting



Round Pole



Square Pole



Surface

The day/night sensor is programmed to activate the solar panel in the evening and to shut it off during the day. The GVP-24-2L-LV-SOL-DNS-M1 provides 10 hours of continuous runtime when the battery is fully charged. Charging time for the battery bank is 5 hours when exposed to direct sunlight. As with all solar powered equipment, charging time is affected by the amount of available ambient light. Indirect sunlight and low ambient light levels, such as on cloudy days, will extend the charge time.

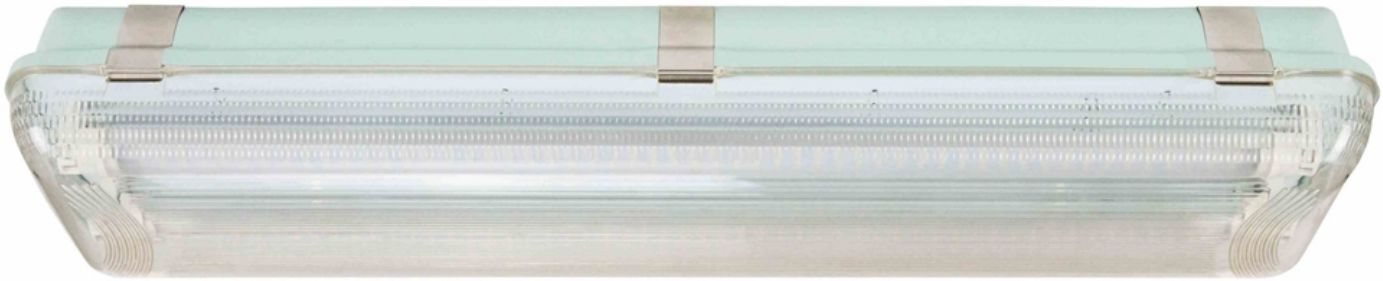
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

Power/Wiring: This GVP-24-2L-LV-SOL-DNS-M1 is powered by one 12V AC 20aH lithium-ion battery that is recharged by a 30 watt solar panel. This rechargeable battery provide a continuous supply of steady, reliable power. The battery pack is contained within the solar panel, not the light. This fixture ships with 20 feet of 12/2 SOOW cord that connects the panel to the switch and 15 feet of 12/2 SOOW cord that connects the switch to the light. Custom lengths are available upon request. Please contact us for special requirements.
Additional Mounting Options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown above. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit).
Standard Bracket Mounts: Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top of the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg. The pictures shown above illustrate the side brackets. The third picture enlarged below also shows the brackets at the both ends of the light.
Suggested Applications: Paint spray booths, Aircraft maintenance, Oil drilling rigs, Refineries, Solvent and cleaning areas, Gas processing plants, Chemical manufacturing, Waste treatment plants, Gas processing plants
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.

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Frequently Asked Questions (FAQ)



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Product ID: 264851

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**