Larson Electronics LLC
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Product ID: 146294

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.

GNM-LEDWL-25W-WHT-25-1227 Goose Neck Magnet Mount White LED Work Light

Lamp Type: White LED
Dimensions: 20"-H x 3.91"-W x 3.59"-D
Weight: 6 lbs
Voltage: 120-240V AC
Watts: 25W
Lumens: 2,250
Luminous Efficacy: 90 Lm/W
LED Light Color: White
LED Life Expectancy: 50,000 hours
Led Drive %: 90%
Lighting Configuration: 5° Spot Beam
Ambient Operating Temp Range: -40°C to +80°C
Waterproof Rating: IP67
Vibration Resistance: 15.6Grms
Wiring: 25` 16/3 SOOW w/ General Area Cord Cap
Cord Cap Options: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist. UK BS1363, Intl. Schuko, Pigtail
Housing Material: Die Cast Aluminum
Housing Color: Black
Lens Material: Polycarbonate
Optic: PMMA
Mounting: 200 lbs Grip Magnet, Flexible Neck, Dual Ball Joint

Ratings/Approvals

IP67 Waterproof to 1 Meter
Impact/Vibration Resistance
Shatterproof Lens
Ambient Op Temp -40°C to +85°C
Available with Choice of Cord and Plug
Ideal as a Work Light and Inspection Light
Extremely Durable and Versatile
200lbs Grip Magnetic Base
20 Inch Flexible Goose-Neck
Adjustable Double Ball Joint Bracket

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 GNM-LEDWL-25W-WHT-25-1227 from Larson Electronics is a White LED Work Light with Goose Neck Double Ball Joint Magnet Mount that produces 2250 lumens of high intensity white LED light while drawing only 25 watts and offering operators a verstaile and flexible lighting solution for a wide variety of tasks. This LED work light operates on 120-240V AC and comes equipped with a choice of general area cord caps and 25` of 16/3 SOOW cord.

The GNM-LEDWL-25W-WHT-25-1227 is an ideal work light for a variety of different tasks and applications that features a convenient on/off switch for simple operation of the 25 watt LED light head. Five 5-watt white LED producing 450 lumens each are combined with high purity optics to produce a narrow 5° spread spot beam, providing a high intensity center beam which is visible during daytime and nighttime operations. This particular unit is compact at 20" tall by 3.91" wide by 3.36" deep, which makes it ideal for applications where mounting space is at a premium.

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.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED`s core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

This LED work light is built for durability and comfort with an impact resistant housing, a double ball joint goose neck flexible magnet mounting system and a light head that can be fully adjusted to suit any mounting location or required lighting angle. The 3.91" wide by 2.36" deep

inch diameter light head and lens assembly is protected by a polycarbonate lens that make these LED hunting spotlights waterproof to 1 meter and resist ingress of dust, dirt and humidity.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This general use LED work light fixture is equipped with 25 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Mounting: The unique brackets and mounts on this unit allow it to reach into the most difficult of areas or simply be placed at a perfect angle whenever there is sufficient mounting options. The 20 inch long `goose-neck` allows the operator to position the light exactly as needed to provide maximum effectiveness. This completely flexible goose-neck allows users to position the light at virtually any angle, and will hold this position until moved again by the user. The goose-neck sits upon a double ball joint bracket that provides even more adjustability by allowing the user to rotate the light 360 degrees and tilt/pivot 180 degrees. This adjusting can be achieved without disturbing the position of the `goose-neck` angle.

The entire adjustable mounting system is mated to a 200 pound grip magnetic base which allows users to attach this unit to any metallic surface that will accept a magnet and will securely hold the light in position regardless of how it is placed.

Durability: The GNM-LEDWL-25W-WHT-25-1227 goose neck magnet mount LED work light from Larson Electronics offers IP67 rated construction that is designed to withstand the rigors of demanding of environmental and operating conditions yet are lighter and smaller than other goose neck work lights on the market. This work light is designed to provide a low profile, light weight, high performance and flexible work and inspection light that can be easily held and manuevered in the hand. These units can operate in temperatures of -40° Celsius to 80° Celsius, are waterproof to 1 meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The LEDs offer inherent LED resistance to shocks and vibrations contributing to these units 15.6Grms rating of vibration tolerance.

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.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Fully flexible goose neck double ball joint magnetic base mount included
8. Low profile - Light weight
9. 2,250 Lumen output from only 25 watts

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 LED 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: 146294

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

Options:

-Cord Cap
Example: -5.15

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
UK BS1363	-BS1363
INTL SCHUKO	-Schuko
PIGTAIL	-Pigtail

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Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/146294.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/146294.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/146294.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/146294.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/146294.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/146294.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/146294.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/146294.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/146294.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/146294.JPG)
- **HigResPic10**(https://www.larsonelectronics.com//images/product/HigResPic10/146294.JPG)
- **Video1**(https://www.youtube.com/watch?v=dDD9E-ySKWQ)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)