Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 146336

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.

ML-LEDWL-25W-WHT Magnet Mount White LED Spotlight

Lamp Type: White LED
Dimensions: 8"H x 5.1"W x 2.9"D
Weight: 3.5 lbs
Voltage: 9-60V DC
Watts: 30W
Lumens: 2,100
Luminous Efficacy: 90 Lm/W
LED Light Color: White
LED Life Expectancy: 50,000 Hours
Led Drive %: 90%
Lighting Configuration: Spot or Flood Beam
Amps: 2.5 @ 12V DC - 1.25 @ 24V DC
Ambient Operating Temp Range: -40°C to +80°C
Waterproof Rating: IP67
Housing Material: Die Cast Aluminum
Housing Color: Black
Wiring Options: 16` Cigarette Coil, 16` Cigarette, 21` Ring Terminals, 16` Battery Clamps, 16` Flying Leads
Lens Material: Polycarbonate
Optics: PMMA
Mounting: 100 lb Magnet Mount

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 for Hunting and Outdoor Applications
Extremely Durable and Versatile
100 lb Magnet Mount

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 ML-LEDWL-25W-WHT from Larson Electronics is an LED Spotlight with Magnet Mount that produces 2100 lumens of high intensity white LED light while drawing only 30 watts and offering operators a verstaile and flexible lighting solution for a wide variety of tasks. This 30-watt fixture features ultra-bright Cree® LEDs with a sturdy aluminum build. Users may choose from spot and flood beam configuration options when ordering this robust luminary. The fixture is capable of withstanding rough treatment and immersions up to 3.3 feet (IP67). This LED spotlight operates on 12-24V which allows it to work with standard vehicles, ATVs, UTVs, military vehicles, farming equipment, and heavy machinery.

The ML-LEDWL-25W-WHT is an ideal spotlight for a variety of different tasks and applications that features a 30 watt LED light head and a pivoting magnetic mount with 100lb grip magnet. This particular unit is compact at 8" tall by 5.1" wide by 2.9" deep, which makes it ideal for applications where mounting space is at a premium.

This unit`s LED light head has a housing made up of aluminum, while the lens is constructed of polycarbonate. It is mounted to the magnetic base using a U-bracket style trunnion mount, making vertical light direction adjustments easy to implement. This unit complies with CE, ROHS and E4 standards. It is IP67 certified, which provides complete protection from dust and water immersions up to 3.3 feet. This lamp uses Cree® LED units that have been chosen for their high lumen per watt ratio and extreme longevity. These Cree® LEDs generate a high lumens-per-watt ratio, effective lumen output and supports 70 percent lumen retention at 50,000 hours, giving them better efficiency and operational life than traditional light sources.

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 magnet mounting system and a light head that can be fully adjusted to suit any mounting location or required lighting angle. The 5.1" wide by 2.9" 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.

The ML-LEDWL-25W-WHT is UV resistant, weatherproof, and ruggedly constructed to withstand demanding environments, conditions and applications. This particular unit is equipped with a 3.25 inch diameter, 100lb grip magnetic base. The operator can use the reverse pistol grip handle to position the beam. The tension style hinge brackets will then keep the light in the desired position until the operator moves it again. The 100 pound grip magnet base holds the light in place on protective barriers and gun turrets on the military HUMVEE, even under the most aggressive road and off-road conditions. The heavy gauge steel handle bracket supports the hinged lamp head and solid polypropylene handle. Easily field serviceable.

This LED spotlight is built for durability and comfort with an impact resistant housing and a light head that can be adjusted horizontally and vertically. The 5.1" wide by 2.9" 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.

This LED spotlight light operates on a range from 9V to 60V DC, including commonly found 12V, 18V, 24V, 36V, and 48V DC for use with standard vehicles, ATVs, UTVs, military vehicles, farming equipment, heavy machinery, offshore equipment, and marine vessels. This spotlight is ideal for hunters, sportsmen, outdoor operators and anyone who needs a portable yet powerful and rugged source of illumination.

Durability: The ML-LEDWL-25W-WHT series handheld LED hunting lights from Larson Electronics offer IP67 rated construction that is designed to withstand the rigors of demanding of environmental and operating conditions yet are lighter and smaller than other hunting spotlights on the market. This series is designed to provide a low profile, light weight, high performance hunting spotlight 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.



16ft Coil Cord w/Cigarette Plug



21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

Click Images to Enlarge

Wiring/Plug: Each light comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin Deutsch connector which easily and securely attaches and detaches the coil cord from the spotlight. Other cords, including 21 foot cords with ring terminals (C-21RT), 16 foot cord with spring battery clamps (alligator clips) (C-16BC) and a 16 foot straight cord with cigarette plug (C-16CP) are available. This light operates on 12-24V in one unit allowing it to be used with standard vehicles, ATVs, UTVs, military vehicles, farming equipment, and heavy machinery equipped with a cigarette plug.

Versatility: The entire unit weighs only 3.5 lbs. This unit is ideal for hunting and other outdoor operations as well as any application that requires an extremely durable and effective source of portable illumination. The ML-LEDWL-25W-WHT is also an ideal spotlight for general use in a variety of applications including property maintenance, security, farm operations, search and rescue, and law enforcement.

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 70% lumen output after 50,000 operating hours.
6. Powder coated aluminum fixture body.
7. Magnet mount.
8. Low profile - Light weight
9. 2,100 Lumen output from 30 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: 146336

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

Options:

-Cord-Beam Config
Example: -16CP.CC-SP

Cord	
16 CIG COIL	-16CP.CC
16 CIG	-16.CP
21 RING TERMS	-21RT
16 BATT CLAMPS	-21BC
16 FLYING LEADS	-16PIGTAIL

Beam Config	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/146336.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/146336.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/146336.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/146336.JPG)
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