Larson Electronics LLC
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Product ID: 146102

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.

HUL-LEDWL-25W-RED Handheld Red LED Hunting Spotlight

Lamp Type: Red LED
Dimensions: 11"-H x 3.91"-W x 3.59"-D
Watts: 2 lbs
Voltage: 12V DC or 24V DC
Watts: 25W
Lumens: 2,250
Luminous Efficacy: 90 Lm/W
LED Light Color: Red
LED Life Expectancy: 50,000 hours
Led Drive %: 90%
Lighting Configuration: 5° Spot Beam
Amps: 2.09 @ 12V DC - 1.05 @ 24V DC
Ambient Operating Temp Range: -40°C to +80°C
Waterproof Rating: IP67
Vibration Resistance: 15.6Grms
Wiring Options: 16` Cigarette Coil, 16` Cigarette, 21` Ring Terminals, 16` Battery Clamps, 16` Flying Leads
Housing Material: Die Cast Aluminum
Housing Color: Black
Lens Material: Polycarbonate
Optic: PMMA
Mounting: 5" Polycarbonate Handle

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

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 HUL-LEDWL-25W-RED from Larson Electronics is a red LED handheld hunting spotlight that provides hunters and outdoorsmen with a reliable, powerful and durable source of high-intensity red LED light. The ultra compact LED light head used on the HUL-LEDWL-25W-RED produces a 2,250 lumen output with low amp draw, 50,000 hour service life and 12V DC or 24V DC vehicle compatibility providing operators with a versatile and powerful LED hunting spotlight. This LED handheld spotlight comes equipped with a choice of cord and cigarette plug adapter to allow connection to any vehicle or ATV equipped with a cigarette plug.

The HUL-LEDWL-25W-RED Red LED Handheld Hunting Spotlight from Larson Electronics produces 2250 lumens of sharp red light while drawing 2.09 amps from a 12 volt electrical system. Five 5-watt red 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 ultra compact at only 11" tall by 3.91" wide by 3.36" deep, which makes it ideal for applications where electrical power and mounting space is at a premium.

Many other hunting spotlights on the market do not provide the combination of performance and durability that the HUL-LEDWL-25W-RED offers to hunters and other outdoor enthusiasts and especially not in such a lightweight and compact form factor as this Larson Electronics LED handheld hunting spotlight offers. The combination of power and compact design offered by the HUL-LEDWL-25W-RED is invaluable to hunters who are already carrying plenty of other gear and for who space might be at a preminum, but a lack of performance to save space is unacceptable. This red LED hunting spotlight offers the versatility that hunters expect from their gear while not sacrificing the performance that could mean the difference between a successful hunting trip and coming home empty-handed.

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 spotlight is built for durability and comfort with an impact resistant housing, an ergonomically designed 5 inch tall polycarbonate handle that matches the contours of your hand, and a light head that can be adjusted vertically. 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.

Power options include 12 or 24 volt DC versions for use with most common vehicle, boat or ATV electrical systems. This spotlight is ideal for hunters, sportsmen, outdoor operators and anyone who needs a portable yet powerful and rugged source of illumination.

Durability: The HUL-LEDWL-25W-RED 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 can be ordered in either 12 volt or 24 volt configuration, allowing it to be used with any vehicle or ATV equipped with a cigarette plug. Choose voltage below when ordering.

Versatility: The entire unit weighs only 2.2 lbs. The light head is mounted to the handle with an adjustable hinge that allows the head to be adjusted vertically. The five inch tall handle is ergonomically designed to fit the contours of your hand for a comfortable grip. 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 HUL-LEDWL-25W-RED is also an ideal spotlight for dusty areas or environments with a high dust content. Red light is able to pierce dust better than other light colors and provides higher visibility where other light sources would provide little to no visibility under those conditions.

Note on Voltage: Most vehicles are 12 Volt DC. 24 Volts DOES NOT mean more power. Running a 24V light from a 12V power source will result in a very dim or non-functioning light, and may cause internal damage to the light as well. For common vehicle use, please order 12V.

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. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 2,250 Lumen output from 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.

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)

There are no Faqs

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Product ID: 146102

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

Options:

-Voltage-Cord Cap
Example: -12V-16CP.CC

Voltage	
12V	-12V
24V	-24V

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

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/146102.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/146102.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/146102.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/146102.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/146102.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/146102.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/146102.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/146102.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/146102.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/146102.JPG)
- **Video1**(https://www.youtube.com/watch?v=OXF_QCr-LtM)
- **Video2**(https://www.youtube.com/watch?v=1P7C2mJbJho)
- **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)