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Product ID: 146510

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.

HL.RL-85-LED-CPR Rechargeable Handheld LED Spotlight

Lamp Type: Cree LED
Dimensions: 7.95"L x 8.37"H x 2.75"D
Weight: 3 lbs
Voltage: 12/24V DC
Total Watts: 25W
Total Lumens: 2,000
Candlepower: 6 Million CP
Battery: (2) 3.7V 2600maH lithium ion batteries
Luminous Efficacy: 80 Lm/W
LED Lamp Life Expectancy: 50,000+
Cord Cap: 16` Cig. Coil, 16` Cig, 21` Ring Term., 16` Batt. Clamps, 16` Flying Leads
Beam Type: 30° Spot
Housing Material: Aluminum Alloy & Nylon
Housing Color: Black
Lens Material: Polycarbonate
Mounting: Handheld

Quick Summary

IP65 Waterproof
Dustproof
Shockproof
Impact/Vibration Resistant Construction
Lightweight
Portable
Red and Green Lenses Available
Battery Charges During Plugged In Use
Detachable Cord

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 HL.RL-85-LED-CPR 6 million candlepower rechargeable handheld spotlight from Larson Electronics is lightweight, ruggedly built, and features a rechargeable lithium ion battery. What sets this LED spotlight apart from other models is that it charges while it is plugged

into a 12V power source even when it is in use. The cord can be detaached from the light by disconnecting it from the weatherproof disconnect to use this light like a rechargeale unit. Designed for both functionality and convenience, the HL.RL-85-LED-CPR allows operators to roam freely without the hassle of being plugged into a power source at all times. This unit uses a premium Cree LED and a parabolic reflector to generate an impressive 2,000 lumens while drawing a modest 25 watts of power. This powerful IP65 rated spotlight is ideal for hunting, camping, marine and boating use as well as for first responders and emergency services.

Light Features: The HL.RL-85-LED-CPR 6 million candlepower rechargeable handheld spotlight delivers an impressive 2,000 lumens while drawing only 25 watts of energy. In combination with a single high output Cree LED and a parabolic reflector, this light cuts through the darkness with an ultra-focused 30° spot beam that clearly and sharply illuminates objects all the way to the end of the beam reach. The Cree LED units in this light have been chosen for their high lumen per watt ratio and extreme longevity. These Cree LEDs generate 80 lumens per watt and have a 70% 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.

Cree Specific: 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 robust 80 lumens per watt effective lumen output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than traditional light sources.

This IP65 rated spotlight features an ultra-durable ABS shockproof polymer body, an aluminum alloy light head housing, and an impact resistant polycarbonate lens. While the HL.RL-85-LED-CPR is built to withstand rugged use and harsh outdoor conditions, comfort and ease of operation haven`t been sacrificed. This unit is ergonomically designed for balanced and comfortable handling. The nylon handle has a no-slip textured surface that ensures a firm grip even in wet conditions. The booted push button is conveniently placed to allow operators easy forefinger access to the switch for quick on/off action.

Larson Electronics offers additional options for the HL.RL-85-LED-CPR spotlight, including red and green lenses. For more information, contact sales@larsonelectronics.com.



Click Photo to Enlarge

Charging Function: The HL.RL-85-LED-CPR features a unique charging function that allows the spotlight to be charged while it is plugged into a 12V power source, such as a vehicle`s power socket, and while it is in use. The cord can be disconnected at any time to turn this unit into a rechargeable unit. Once the spotlight is unplugged for portable use, it will offer operators an equivalent battery life to however long it was plugged in for. For example, if the LED spotlight was plugged in and being used for one hour, the battery would then have one hour of portable use available. Once the battery dies, the HL.RL-85-LED-CPR can immediately be plugged back in for battery recharge while still being able to be used as a normal 12V spotlight during the recharging process.

Power: The rechargeable HL.RL-85-LED-CPR spotlight comes equipped with two 3.7V 2600MA lithium batteries and is recharged via a 12V power source. This light has a work time of 2.5-3 hours on a single, full charge. Recharging from a fully discharged state takes 3 hours.



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

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.

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. Nylon and aluminum alloy body.
4. Durable polycarbonate lens.
5. Retains 70% lumen output after 50,000 operating hours.
6. Ergonomic nylon handle.
7. Built for Toughness and Durability
8. Low profile - Lightweight
9. 2,000 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: 146510

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

Options:

-Cord Cap
Example: -16CP.CC

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):

- **Catalog Page - Product Series**(https://www.larsonelectronics.com//images/product/CatalogPage/146510.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com//images/product/Msds/146510.PDF)
- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/146510.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/146510.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/146510.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/146510.JPG)
- **Video1**(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)