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Product ID: 147202

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-85-LED-27W-CPR-6-BCE Handheld Spotlight

Lamp Type: Cree LED
Dimensions: 7.95"L x 2.75"W x 8.37"D
Weight: 1.5 lbs
Voltage: 12/24V DC
Total Watts: 27W
Total Lumens: 2,000
Candlepower: 5 Million
Luminous Efficacy:74.1 Lm/W
LED Lamp Life Expectancy: 50,000+
Wiring: 6` Straight Cord w/ Blunt Cut End and Deutsch Disconnect
Beam Type: Spot
Housing Material: ABS Polymer & Aluminum Alloy
Housing Color: Black
Lens Material: Polycarbonate
Mounting: Handheld

Quick Summary

IP67 Waterproof
Dustproof
Shockproof
Impact/Vibration Resistant Construction
Lightweight
Portable

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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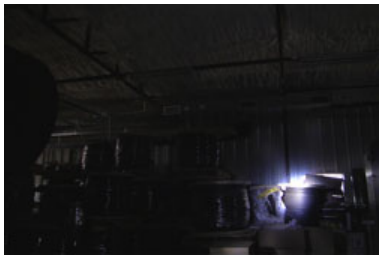
The HL-85-LED-27W-CPR-6-BCE super bright handheld 10 million candlepower spotlight from Larson Electronics is lightweight, ultra rugged, and features a comfortable ergonomic design. This unit uses nine high output 3W Cree LEDs and an advanced reflector and 4.75" lens configuration to generate 2,000 lumens with a beam reach of over 1,600 feet while drawing only 27 watts of power. Equipped with a 6` foot

straight cord with blunt cut end to attach straight to a battery, this IP67 rated waterproof spotlight is ideal for hunting, camping, marine and boating use as well as for first responders and emergency services.

Light Features: The HL-85-LED-27W-CPR-6-BCE super bright handheld spotlight delivers an impressive 2,000 lumens while drawing only 27 watts of energy. With a combination of nine high output Cree LEDs and a uniquely designed reflector, this spotlight cuts through the darkness with a beam length of over 1,600 feet. The Cree LED units in this light have been chosen for their high lumen per watt ratio and extreme longevity.

These Cree LEDs generate 74 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. The unique shape and shallow contour of the reflector is paired with a 4.75" convex lens and inset lens position to efficiently capture and project a focused beam of light while reducing the light spillage and waste that is common with many spotlights. This efficient design also reduces casting, a phenomenon that occurs when wasted light "spills" around the light source. Often times, when surrounded by water, snow or other reflective surfaces, this light spillage prevents the human eye from adjusting properly and seeing objects at distance. With the HL-85-LED-27W-CPR-6-BCE spotlight configuration, 90% of the emitted light is captured and focused, clearly and sharply illuminating objects all the way to the end of the beam reach.

This IP67 rated waterproof spotlight features an ultra-durable ABS shockproof polymer body, an aluminum alloy light head housing, and an impact resistant polycarbonate lens. While the HL-85-LED-27W-CPR-6-BCE 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 4.5"L x 1.5"D and 5/8 inch thick 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.



Click Photo to Enlarge

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 74.1 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.

Wiring/Plug: Each light comes with a detachable 6` straight cord with a blunt cut end which allows operators to connect the light directly to a battery for power. A Deutsch disconnect is found between the wiring harness and the light itself.

Applications: Hunting, Marine & Boating, Camping, Emergency Services, First Responders

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. ABS shockproof polymer body.
4. Aluminum alloy light head housing.
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 27 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: 147202

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

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Links (Click on the below items to view):

- **Catalog Page - Product Series**(https://www.larsonelectronics.com//images/product/CatalogPage/147202.PDF)
- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/147202.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com//images/product/SpecSheetSpanish/147202.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/147202.JPG)
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