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HL-85-LED-CPR-D

10 Million Candlepower LED Spotlight w/ Dimmer Switch - 36 Watt - Pistol Grip - 1600 Foot Beam

Product ID: 149953



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-CPR-D Handheld Dimmer Control 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: 36W
Total Lumens: 3,200
Candlepower: 10 Million
Luminous Efficacy: 88.89 Lm/W
LED Lamp Life Expectancy: 50,000+
Wiring: 16` Coil Cord w/ Cigarette Plug
Cord Options: 16` Cig Coil, 16` Cig Straight, 21` Ring Terminals, 16` Battery Clamps, 16` Flying Leads
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
Continual On/Off Switch
Push Once to Power On, Push Again to Power Off
Inline Dimmer Switch

Special Orders - Special Requirements

Contact us for special requirements
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The HL-85-LED-CPR-D super bright handheld 10 million candlepower inine dimmer spotlight from Larson Electronics is lightweight, ultra rugged, and features a comfortable ergonomic design. This unit uses seven high output Cree LEDs and an advanced reflector and lens configuration to generate 3,200 lumens with a beam reach of over 1,600 feet while drawing only 36 watts of power. Equipped with a cigarette plug that operates on 12-24V DC, this IP67 rated waterproof spotlight is ideal for hunting, camping, marine and boating use as well as for first responders and emergency services. The HL-85-LED-CPR-D features a continual on/off switch that requires one press to stay on

and another press to turn off, as well as a pulse width modulator controller allowing operators to directly control the brightness of the LED light.

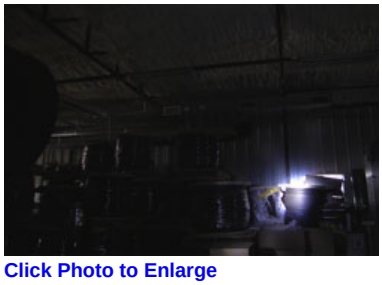
Light Features: The HL-85-LED-CPR-D super bright handheld spotlight delivers an impressive 3,200 lumens while drawing only 36 watts of energy. With a combination seven high output Cree LEDs and a 5" reflector, this spotlight cuts through the darkness with a beam length of over 1,600 feet. The Cree LED units in this light have been chosen for their high lumen per watt ratio and extreme longevity.

Inline Dimmer Switch: The HL-85-LED-CPR-D features a pulse width modulator, which functions as an inline dimmer, to regulate the voltage and control the brightness of the LED using an easy to use dial. This dimmer produces 135Hz and is equipped with male and female Deutscch connectors. The use of this "dimmer" switch allows operators to regulate energy usage and change the brightness of the handheld light for different applications.

These Cree LEDs generate 56 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 120mm reflector is paired with a 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-CPR-D 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-CPR-D 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.

On/Off Switch Operation: The HL-85-LED-CPR-D LED handheld inline dimmer spotlight features a continual on/off switch. This means that the spotlight will stay on after a single button press and remain on until the power button is pressed again. Operators simply press the button once and will have a continual source of high-intensity LED light for their illumination needs until the on/off switch is pressed again to turn the light off. There is no need to keep pressure on the on/off switch at all times when light is desired unlike other spotlight models on the market that feature a trigger type switch. This operation of the on/off switch makes the HL-85-LED-CPR-D an easy to use and convenient source of portable LED light.



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 55.5 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.



16ft Coil Cord w/Cigarette Plug
Click Images to Enlarge



21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

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.
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. 3,200 Lumen output from only 36 watts.

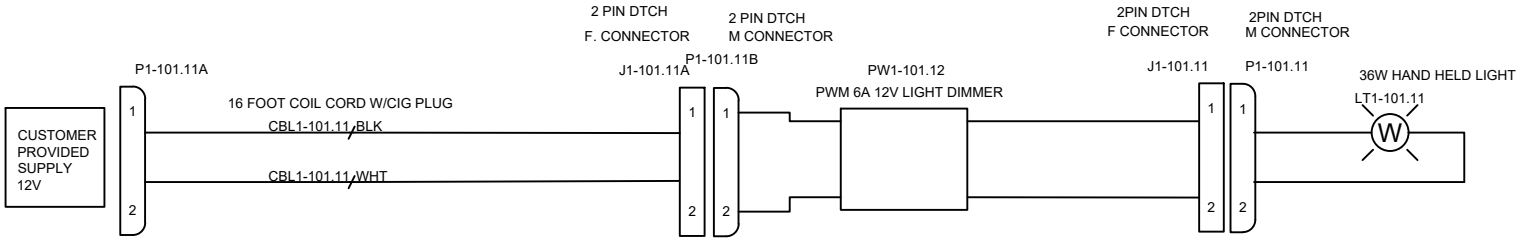
Superior LED Benefits

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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	12/13/2024

HL-85-LED-CPR-D-16CP-CC

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
LT1-101.11	1	UNV00005032	FLASHING LIGHT LED 36W 12V
PW1-101.12	1	UNV00010671	PWM CONTROLLER -LED LIGHT DIMMER 6A 12V.
CBL1-101.11	1	UNV00007975	16 FT WIRE WITH CIG PLUG CHARGER, COIL..

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DRAWN BY	DATE	REV
A.HIRSH	12/13/2024	A
CHECKED BY	SHEET #	DRAWING #
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Frequently Asked Questions (FAQ)