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LE-8421-HL-M

80W Magnetic Mount LED Light Bar - 5600 Lumens - (2) 200lb Magnets - Carrying Handle - 9-32V DC

Product ID: 146690



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.

LE-8421-HL-M Work Light – 80 Watts, Spot/Flood Options – IP67
Lamp Type: LED Light Bar
LED Type: Cree
Dimensions: 5.8" x 3.6" x 7.6"
Input Voltage: 9V - 64V DC
Electric Current: 2.8 A
Total Watts: 80
Lumens: 5,600
Color Temp: 6000-6500K
Lamp Life: 100,000+ Hours
Lighting Configuration: 10° Spot or 35° Flood
Housing Material: Aluminum
Lens Material: Polycarbonate
Mounting: Magnetic Mount - (2) 200lb Magnets
Wiring Options: 16' Cigarette Coil, 16' Cigarette, 21' Ring Terminals, 16' Battery Clamps or 16' Flying Leads

Quick Summary
IP67 Rated
CE Certified
ROHS Certified
E4 Compliant

Special Orders - Special Requirements
Contact us for special requirements
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The LE-8421-HL-M from Larson Electronics is a LED Work Light Bar w/ Magnetic Mount that is ideal for mounting on machinery or equipment and well suited for use in mining, manufacturing, and industrial environments where durability is critical. This particular LED light features two 200 lb magnets on the base that enable the light to be securely mounted to flat, magnetic surfaces such as trucks, boats and other vehicles. The magnetic mount allows for 270 degrees of adjustability and a convenient top-mounted carrying handle makes transportation between locations a simple task. This 80-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 with air-breather design).

Features: This LED light bar is capable of emitting up to 5,600 lumens during operation. The 80-watt fixture features 9V-64V DC input voltages and an electric current of 2.8 A. During output, the luminary shines a brilliant white light with a color temperature rating of 6,000-6,500K. This unit comes with a 16' harness, 16/2 wiring harness with a DT04-2S Deutsch connector and a choice of cigarette plugs. The fixture's long lifespan and durable build makes it ideal for heavy duty applications.

The LED bar's housing is made up of aluminum, while the lens is constructed of polycarbonate. It is mounted 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 support 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.



16ft Coil Cord w/Cigarette Plug



21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

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Wiring: 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.

Mounting: The LE-8421-HL-M features a magnetic mounting base comprised of two 200lb magnets for a strong and reliable hold on flat, magnetic surfaces such as those found on boats and vehicles. The operator simply places the light on the magnetic surface and the powerful magnets will hold it firmly in place. Once the light is mounted, the positioning angle of the LE-8421-HL-M has 270 degrees of adjustability. The operator simply must loosen two bolts, adjust the angle to their desired position and then retighten the bolts. In addition to the magnets, this LED light also features a top-

mounted carrying handle for simple and easy transportation between desired locations. 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.

Frequently Asked Questions (FAQ)