

## 70W Magnetic Mount LED Light Bar - 6000 Lumens - (2) 200lb Magnets - Carrying Handle - 9-32V DC

### GL-4421-HL-M



#### GL-4421 Golight LED Light Bar

**Lamp Type:** CREE LEDs

**Dimensions:** 6.1"-W x 4.8"-H x 3.3"-D

**Watts:** 70

**Led Drive %:** 92%

**Voltage:** 9-32V DC

**Lighting Configuration:** 10° Spot or 40° Flood

**Mounting:** Magnetic Mount - (2) 200lb Magnets

**Amps:** 5.83A (on 12 volts) 2.92A on 24 Volts

**Lumens:** 6,000

**LED Light Color:** 6000K

**LED Life Expectancy:** 50,000 hours

**Optics Efficiency:** 92%

**Wiring:** Vehicle Plug Options

**Cord Cap Options:** 16' Cig. Coil, 16' Cig, 21' Ring Terms, 16' Battery Clamps, 16' Flying Leads

**Housing Material:** A360 Die Cast Aluminum

**Lens Material:** Polycarbonate

**Finish:** Powder Coated

**Housing Colors:** Black

**Fasteners:** 316 Stainless Steel hardware

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

#### Internal LED Driver Features

Fast average current control

Programmable off-time switching

Linear dimming input

PWM dimming input

Short protection w/Skip mode

Ambient Op Temp -40°C to +125°C

Pin-compatible with the HV9910B

IP67 Rated

EMI Filtering & Shield

**CE Certified**

#### Special Orders- Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-498-3363

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

### **Buy American Compliant**

The GL-4421-HL-M Magnetic Mount LED Light Bar with Carrying Handle offers high light output from a compact form factor and is designed specifically for extreme durability in high stress operating conditions. This 70 watt light bar produces 6,000 lumens and is designed to withstand sustained heavy vibration making it 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 200lb 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.

The GL-4421-HL-M magnetic mount LED light bar from Larson Electronics produces 6,000 lumens of bright light while drawing only 70 watts @ 5.83 amps from a 12 volt electrical system. Eighteen 4 watt Cree high output LEDs are paired with high purity 35 degree optics to produce a brilliant and wide floodbeam. This LED light bar is designed to withstand extreme vibratory conditions and is waterproof to 3 meters, sealed against intrusion by dust and dirt and built to survive use in the most demanding environments.

**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.

**Durability:** As well as unparalleled heat control, the GL-4421-HL-M magnetic mount LED light bar also offers IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

**Mounting:** The GL-4421-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 GL-4421-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.



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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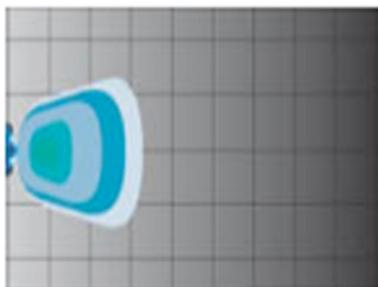
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Each light comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin Deutsch connector which easily and securely attaches and detaches the coil cord from the spotlight. Other cords, including 21 foot 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.

The small profile, low power requirements, extreme durability, magnetic mounting system and carrying handle makes this Golight LED light emitter a superior lighting solution for a wide array of applications including but not limited to: boating, property maintenance, security, fishing, hunting, mining, military, industrial manufacturing, machine visioning and vehicle and commercial equipment illumination.

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#### GL-4421-HL-M 35° Flood Beam



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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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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**Options:**

**GL-4421-HL-M-Cord Cap**

**Example: GL-4421-HL-M-16CP.CC**

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

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