

HML-5M-LED-IR-V2

12W Hand Magnetic Infrared LED Spotlight - Adjustable Tilting Base - 4 IR LEDs - 9-32VDC

Product ID: 153916

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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.

HML-5M-LED-IR-V2 Handheld Infrared LED Spotlight

Lamp Type: 4 Edixeon® 3 Watt Infrared LED Emitters

Dimensions: 6" Lens, 3.25" Base

Watts: 12

Voltage: 9-32 VDC

Weight: 2.65 lb

Lighting Configuration: Spot

Mounting: 100 lb Grip Magnetic Mount Impact Resistant Plastic Handle

Amps: 1 (on 12 volts)

Lumens: 3600

LED Life Expectancy: 50,000 hours

Optics Efficiency: 90%

Materials: Aluminum Housing, Polycarbonate Lens

Wiring Options: 16` Cigarette Coil, 16` Cigarette, 21` Ring Terminals, 16` Battery Clamps or 16` Flying Leads - All terminated in a SAE 2-pin quick disconnect from the light

Housing Color: Black

Ratings/Approvals

MILSPEC 461 certified Bulb

3600 Lumen Output

100 lb Grip Magnetic Base

Multiple Cord Options

Weatherproof, UV Resistant

Portable, Handheld

Optional On/Off Switch Located on Back

2-Pin SAE Quick Disconnect

Portable, Handheld

CE Certified

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

Buy American Compliant

The HML-5M-LED-IR-V2 from Larson Electronics is a Handheld IR LED Spotlight that offers high infrared light output and a compact profile combined with a durable handle and a 100 lb grip magnetic base. This IR LED spotlight is weatherproof and produces an infrared light beam that can only be seen

through the use of night vision goggles. 750Nm, 850Nm, 940Nm versions available. This light can run on any voltage from 9 to 48 VDC and provides a highly durable and compact lighting solution that is ideal for military, law enforcement, commercial, security and hunting applications.

The HML-5M-LED-IR-V2 infrared LED light bar from Larson Electronics produces light in the infrared 750Nm, 850Nm, or 940Nm end of the light spectrum depending upon the version selected. Four Edison Edixeon® 3 watt infrared emitters producing 180 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam 90` long by 70` wide with limited spread or light spillage. We offer optional floodlight versions of this light that have 35 degree optics to produce a wider beam spread and more light over a larger area nearer the fixture.

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The HML-5M-LED-IR-V2 is UV resistant, weatherproof, and ruggedly constructed to withstand demanding environments, conditions and applications. This particular unit is equipped with a 3.25 inch diameter, 100 lb grip magnetic base. The operator can use the reverse pistol grip handle to position the beam. The tension style hinge brackets will then keep the light in the desired position until the operator moves it again.

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

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21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

Wiring: The HML-5M-LED-IR-V2 comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin SAE 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. Operators also have the option of having an on/off switch equipped on the light or no switch. Please make your selection below when ordering. The HML-5M-LED-IR-V2 is an LED version of our [HML-5M-CP](#) found in the Escalation of Force Kit used by US Armed Forces. These high powered spotlights are used by the gunner to grab a subject's attention. The 100 pound grip magnet base holds the light in place on protective barriers and gun turrets on the military HUMVEE, even under the most aggressive road and off-road conditions.

Neither the lens, nor the fixture produces temperatures above 75°F. The heavy gauge steel handle bracket supports the hinged lamp head and solid polypropylene handle. Easily field serviceable. The HML-5M-LED-IR-V2 is made in the USA. The LED bulb is Buy American Compliant (Made in South Korea).

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Cree LEDs. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These spotlights can operate on current ranging from 9 to 32 VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and stand alone applications such as those found on commercial boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

Mounting: This light is mounted to 3.25 inch diameter magnetic base with 100 lb of grip and an impact resistant plastic handle for simple placement on any ferrous metallic surface and easy operation. The stainless steel hinge assembly on this unit allows the light angle to be adjusted for optimal light control. The adjusting hinges on this light are tensioned, allowing the user to simply position the light as desired without any need for locking the unit into place. Once positioned, the light will hold its position until the user again repositions it.

Note on Voltage: Most vehicles are 12 Volt DC. 24 Volts **DOES NOT** mean more power. Running a 24V light from a 12V power source will result in a very dim or non-functioning light, and may cause internal damage to the light as well. For common vehicle use, please order 12V.

Measurements:

Taken at 5 feet from the lens.

850nm Spot - 1270 uWatts/cm²

850nm Flood - 110 uWatts/cm²

940nm Flood - 33 uWatts/cm²

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)

HML-5M-LED-IR-V2

Product ID: 153916

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HML-5M-LED-IR-V2-Cord-Wavelength-Switch

Example: HML-5M-LED-IR-V2-16CP.CC-SP.750nm-ON.OFF

Cord	
16' CIG COIL	-16CP.CC
16' CIG STRAIGHT	-16CP.ST
21' RING TERMS	-21RT
16' BATT CLAMPS	-16BC
16' FLYING LEADS	-16.PIGTAIL

Wavelength	
SPOT 750NM	-SP.750nm
FLOOD 750NM	-FL.750nm
SPOT 850NM	-SP.850nm
FLOOD 850NM	-FL.850nm
SPOT 940NM	-SP.940nm
FLOOD 940NM	-FL.940nm

Switch	
ON/OFF	-ON.OFF
NO SWITCH	-NS

Links (Click on the below items to view):

- [Operations Manual](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)