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HML-27R-LED-1227

27W Handheld Magnetic LED Light - 2160 Lumens - Aluminum Body - Inverted Pistol Grip - IP67 - 120-240V AC, 50/60 Hz

Product ID: 291515

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-27R-LED-1227 Portable LED Light with Magnetic Base
Lamp Type: CREE XLamp XR-E® LED
Dimensions: 4.5"-W x 6.75"-H x 1.5"-D
Weight: 2 lb
Voltage: 120-240V AC, 50/60 Hz
Watts: 25W
Lumens: 2,250
Luminous Efficacy: 90 Lm/W
LED Light Color: 6000K
LED Life Expectancy: 30,000 Hours
Lighting Configuration: 30° Flood Beam
Amps: 0.208 @ 120V AC - 0.104 @ 240V AC
Ambient Operating Temp Range: -40°C to +80°C
Housing Material: Die Cast Aluminum
Housing Color: Black
Lens Material: Polycarbonate
Waterproof Rating: IP67
Mounting: 100 lb Magnet Mount w/ Pistol Grip Adjustment Handle
Wiring: 20' Cord Between Power Supply & Light; 1' Whip Between Power Supply & Cord Cap
Cord Cap Options: 5-15, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or Pigtail

Ratings/Approvals
IP67 Waterproof to 1 Meter
Impact/Vibration Resistance
Shatterproof Lens
Ambient Op Temp -40°C to +85°C
Available with Choice of Cord and Plug
Ideal for Hunting and Outdoor Applications
Extremely Durable and Versatile

Special Orders - Special Requirements
Contact us for special requirements
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The HML-27R-LED-1227 from Larson Electronics is a Handheld Magnetic LED Light that offers high light output in a compact form factor. This unit

produces 2,160 lumens of light output with very low amp draw and operates on 120-240V AC, 50/60 Hz. The handheld LED lamp features a 100 lb rated magnet for mounting and an inverted pistol grip handle for robust control of the light head.

The HML-27R-LED-1227 produces 2,160 lumens of bright light while drawing only 27 watts @ 0.208 amps from a 120 volt electrical system. Nine high output three watt LEDs producing 240 lumens each are arranged in a circle and paired with high purity optics to produce a wide 30 degree flood beam. These LED lights are IP67 waterproof, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications.

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.

Durability: As well as unparalleled heat control, the HML-27R-LED-1227 also offers IP67 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 diecast aluminum and the lenses are unbreakable polycarbonate. We recommend these LED lights for high humidity climates, very cold areas and rough saltwater conditions. They are also applicable to environments where equipment is used in one temperature extreme and stored in another temperature extreme.

Voltage: The HML-27R-LED-1227 is equipped with an inline power supply that converts AC input voltage to the DC voltage required to run the light. The inline power supply allows this light to operate on 120-240V AC, 50/60 Hz.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125 V Rated



L5-15 Twist Lock Plug
15 Amp / 125 V Rated



L6-15 Twist Lock Plug
15 Amp / 250 V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250 V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250 V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This low profile industrial LED light is equipped with 20 feet of cord between the light and power supply. A 1' whip that is fitted with an industrial grade cord cap for easy connection to common wall outlets extends from the other side of the power supply. Plug options include standard 5-15 15 amp straight blade plug for 110 V wall outlets with ground, standard 5-20 20 amp straight blade plug for 110 V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240 V wall outlets with ground, standard 6-20 20 amp straight blade plug for 220-240 V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L5-20 20 amp twist lock plug for 125 V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240 V twist lock outlets, NEMA L6-20 20 amp twist lock plug for 240 V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250 V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Mounting: The HML-27R-LED-1227 features an ergonomically designed 5 inch tall pistol grip handle that matches the contours of your hand and a light head that can be adjusted horizontally and vertically. This LED light is equipped with a 3.25 inch diameter, 100lb 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. 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. The heavy gauge steel handle bracket supports the hinged lamp head and solid polypropylene handle. Easily field serviceable.

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.

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Frequently Asked Questions (FAQ)

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MISTER

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HML-27R-LED-1227

Product ID: 291515

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HML-27R-LED-1227-Cord Cap

Example: HML-27R-LED-1227-5.15

Cord Cap	
5-15	-5.15
6-15	-6.15
5-20	-5.20
6-20	-6.20
L5-15	-L5.15
L6-15	-L6.15
L5-20	-L5.20
L6-20	-L6.20
BS1363	-BS1363
SCHUKO	-Schuko
PIGTAIL	-Pigtail

Links (Click on the below items to view):

- Dimensional Drawing 2D
- Operations Manual
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map