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RL-11-M

24W Rechargeable Handheld LED Spotlight - 2500 Lumens - Li-Ion Battery - 3000' Spot Beam - Magnet Mount

Product ID: 413

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.

RL-11-M Magnetic LED Searchlight

Lamp Type: LED
Dimensions: 11"-L 3.4"-W 5.75"-H
Weight: 3.66 lb
Voltage: 14.4 V DC
Amps: 13.3 amps 60 Seconds for Start, 3.3 amps Run
Watts: 24
Lumens: 2500
LUX- Flood: Full Power: 10 / 50% Power: 25
LUX- Spot: Full Power: 1,050 / 50% Power: 525
Luminous Efficacy: 104 Lm/W
Lamp Life: 50,000+ Hours
Color Temp: 5700K
Spot Beam: 3000'
Lighting Configuration: Spot: 11° / Flood: 45°
Operating Temperature: -10°C to +45°C
IP Rating: IP55
Charging unit: 120/240 V AC, 50/60 Hz, Wall Charger Only
Housing Material: High-Impact Nylon
Lens: Clear

Features

Outperforms Surefire Hellfighter™
Rechargeable Lithium-Ion Battery
3000 Foot Beam
Weatherproof
Included Case - Wide/Flood Lens
IP55 Rating
Full Charge in 3-5 Hours
Magnet Mount

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Mounting: Magnet Mount

Cord Cap: 5-10, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or Pigtail

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The RL-11-M from Larson Electronics is a 24W Rechargeable Magnetic Mount LED Light that contains four 6W LED bulbs and produces 2,500 lumens of intense light output. The RL-11-M produces a 3000 foot beam in the 5700K color range and, in side by side tests, outperforms the $4,000+ Surefire Hellfighter in brightness and distance. This high power LED light reaches full power in less than 2 seconds, is waterproof, and will run for 160 minutes at full power on a single charge of its 14.4 V, 5,000 mAh rechargeable lithium-ion battery.

The RL-11-M is a LED searchlight with four 6W LED bulbs producing 2,500 lumens (approximately 15 million candlepower in a retail setting). In a side by side test, it outperforms the $4000+ Surefire Hellfighter™ in brightness and distance. The RL-11-M produces a 3000 foot beam in the 5700K color range (daylight color). A snap on diffuser lens is included in the blow mold style carrying case that enables the operator to convert the light to a soft, wide flood beam that covers an area 200 feet long and 200 feet wide. The RL-11-LED LED searchlight is "instant on" and takes less than 2 seconds to come to full power and color and is rated for 50,000 hours of life.



Carrying Case



Spot to Flood Lens



14.4V 5,000mAh Lithium-ion Battery





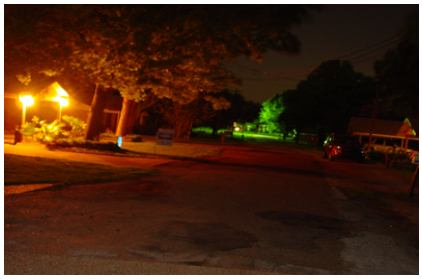


In comparisons against the Surefire Hellfighter ($4000+), the RL-11-M clearly reaches a longer distance with a brighter beam. The Surefire Hellfighter has some other unique features that make it applicable for crew served weapons which accounts for some of the price difference. The RL-11-M also includes a 160 minute full power run-time 14.4V, 5,000mAh rechargeable lithium ion battery, which the Surefire Hellfighter does not include. We mention simply to illustrate the performance, quality and value aspect of this light against a very high quality tactical solution like the Hellfighter. The RL-11-M is assembled in the United States and carries a 3 year warranty.

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.

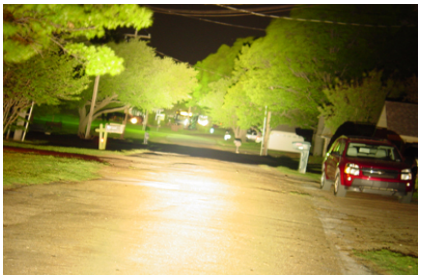
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions 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.
This rechargeable LED light is weatherproof and resists the intrusion of water and dust. A booted push button switch on the top and a flat bottom surface makes the RL-11-M a popular weatherproof work light for indoor and outdoor use.



2800 foot street with normal lighting.

Click Photo to Enlarge



2800 foot street with RL-11-M LED light.

Click Photo to Enlarge

The 5000mAH lithium-Ion battery in this unit is charged via an included 120/240 Volt AC wall charger and charging cord. This unit is charged in approximately 3-5 hours and has a runtime of 160 minutes at full power on a single charge. An integral micro-relay enables the user to power this LED light from 12/24V vehicle or boat cigarette plug socket directly. Once disconnected, the light will automatically switch to the lithium-ion battery. These lithium ion batteries require no special charging procedures and have no charge memory issues. Using the latest lithium ion battery technology allows this unit to be recharged regardless of current charge levels, so there is no need to fully discharge the light before recharging. The battery will hold its charge for 16 months, even when on the shelf.
The RL-11-LED LED light is configured to deliver a spot beam in excess of 3000 feet. A snap on diffuser lens is included in the blow mold style carrying case that enables the operator to convert the light to a soft, wide flood beam that covers an area 200 feet long and 200 feet wide. The RL-11-LED features four 6W long-lasting LED bulbs and is rated for a service life of 50,000+ hours.
The light comes with a blow mold carrying case, LED light, 5000 mAh battery, AC adapter, shoulder strap and flood lens. The case has room to store a spare battery and accessory vehicle coil cord with cigarette plug. Spare batteries are available and easily changed by unscrewing the round screw on tail cap at the back of the light to accesses the battery which slides out. A second battery can be used while another discharged battery is charging. The light can also be used without a battery, by simply attaching the optional accessory coil cord to the plug in the back of the light. The RL-11-LED LED searchlight will run indefinitely from an alternate 12/24V power source, including vehicle, boat and ATV cigarette plug sockets. The light can be attached via accessory cord to any power source ranging from 9-32 volts. THERE IS NO VEHICLE CHARGER FOR THE BATTERY. The battery is charged via the included wall outlet charging unit. For vehicle charging of the battery, a 75 Watt inverter is required.
Wiring and Plug: The charger included with this portable LED light is equipped with 5 foot of 18/2 cord that is fitted with a cord cap for easy connection to common wall outlets. Plug options include standard 5-10 10 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V 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 250V. 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 RL-11-M includes a swiveling, tilting magnetic base that is removable. This enables the operator to attach the light to any steel surface and position the

beam. It is also popular for non-metallic surfaces, because the same beam positioning ability works on non-metallic surfaces as well. Basically, the operator can set the light down and the swiveling and tilting base holds the beam position that the operator establishes for the light. The magnetic base can be unscrewed and removed so that the RL-11-M is more portable for traditional handheld use.

Accessories: Popular accessories include the covert IR lens, snap on red hunting lens, snap on amber lens for fog/smoke, and the accessory coil cord with cigarette plug.

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)

RL-11-M

Product ID: 413

Harmonized System (HS) Code: 8512.20.2080
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**
- **SpecSheetSpanish**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**