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LE-9600-F-M-12I

Remote Control Visible and Infrared LED Floodlight - 12-24V Low Voltage, Flood/Spot Beam - Wired Remote, Magnetic Mount

Product ID: 152794



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.

This unit is Made In USA - American Made

LE-9600-F-M-12I Outdoor LED Light

Lamp Technology: LED (Visible Light and Infrared)
Dimensions: -
Weight: -
Voltage: 12-24V DC
Total Watts: 30W
Total Lumens: -
Luminous Efficacy: -
LED Lamp Life Expectancy: 50,000 Hours
Color Temperature: 5000K - Cool White
Color Rendering Index: -
Infrared Wavelength: 950 nm (No Infrared Filters)
Lamp Type: Dual Color LED Assembly
Lamp Base: -
Replacement Lamp: -
Beam Angle: -
Lighting Configuration: Flood and Spot Beam
Beam Selection: Automatic Electronic Flood Lens Diffuser
Power Efficiency: -
Power Factor: -
Rotation: 360° Endless Horizontal Rotation
Remote: Hard Wired Waterproof Connector, Dash Mount
Remote Control Type: Joystick with Home Position Setting, White/Infrared Switch, Spot/Flood Switch
Amps: -
Operating Temp Range: -20°C to +65°C

Ratings/Approvals

ITAR Compliant
UV and Weatherproof
Hard Wired Remote - No RF
Dual Color LED Assembly
Automatic Electronic Flood Lens Diffuser
Approved for Marine, Desert, Snow and Harsh Environments
Control Two Lights w/ One Dash Mount Remote

Housing Materials: -
Housing Finish: -
Internal Parts Materials: Brass and Stainless Steel Components for Corrosion Resistance
Protection: Potted Electrical Boards
Gears: -
Mounting: Magnetic Mount
Wiring: 22' 11-Wire Power/Control Harness

Special Orders - Special Requirements
Contact us for special requirements

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The LE-9600-F-M-12I from Larson Electronics is a Remote Control Visible and Infrared LED Floodlight serving as powerful and durable lighting solution for military, outdoor and extreme environments. This 30-watt unit features a dual color LED assembly with a primary flood beam and an optional spotlight. Equipped with a hard wired remote control, the LED light has corrosion resistant parts and a potted internal control board for harsh weather applications. This ITAR compliant light is compatible with magnetic mount installations.

The LE-9600-F-M-12I series from Larson Electronics LLC is comparable to the Golight 4600 Visible/Infrared LED Spotlight. The Larson Electronics LLC model features both infrared and visible LED assemblies on the same side, versus the Golight 4600 that has the infrared LED assembly 180° opposite from the visible LED assembly. The Larson Electronics LLC LE-9600-F-M-12I does not require a half rotation of the LED assembly to switch from visible to infrared lighting during blackout situations.

The LE-9600-F-M-12I features flood and spot beam versatility, as well as visible white light and infrared light capabilities. This 30-watt unit has a color temperature of 5000K (cool white) for visible light operation and offers infrared light with a 950 nm band providing complete covert illumination. No infrared filters are used in this ITAR compliant light. As a result, no special paperwork is needed, unlike military lights that use bandpass infrared filters. A dual color LED assembly keeps both infrared and visible light on the side of the light fixture and maintains the same aim when in the field. Changing between visible light and infrared light is facilitated by a switch.

The LE-9600-F-M-12I is configured to generate light in a flood beam configuration with an optional spot beam setting. An automatic electronic lens diffuser enables fast switching between the two light configurations. Manual light attachments are not required to switch between flood and spot light beams. This military LED light offers 360 degrees of endless horizontal rotation. The light head can rotate continuously in one direction and does not need to stop and go back to the other direction, resulting in faster light placement and reaction.

Durability: The LE-9600-F-M-12I LED light is designed for use in all weather conditions, including marine desert, snow and harsh environments. The components are brass and stainless steel for corrosion resistance and durability.

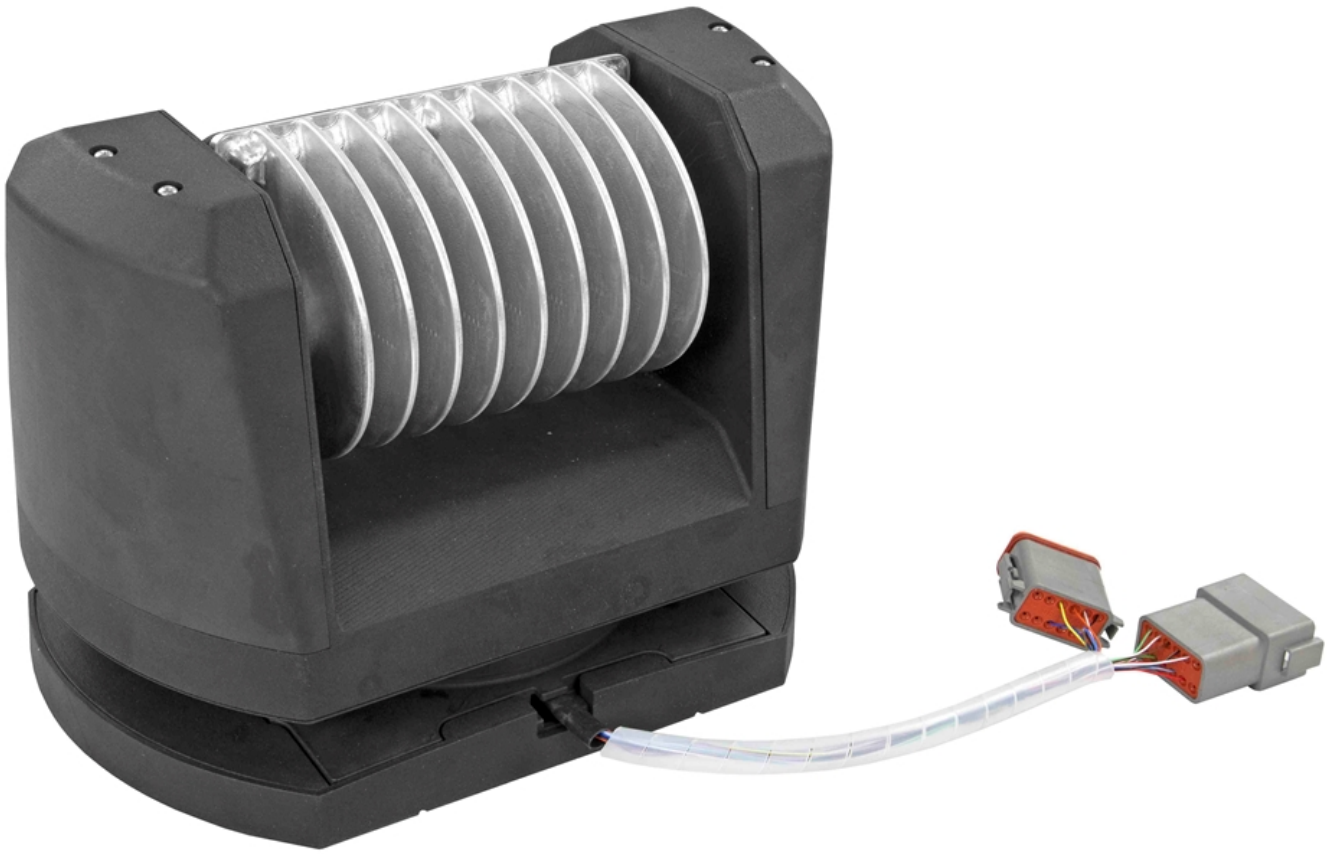
Electrical boards inside the system are potted for resistance to water. Remote movement of this light is provided by commercial grade internal motors.

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.
Wired Remote Operation: These units feature hard wired remote control operation that allows users to rotate the light using a joystick. The hard wired configuration ensures no RF or EMI output, making the unit suitable for military equipment or use around sensitive electronics. Compatible with dash mounting, the remote control has a home setting, as well as fast and slow capabilities based on joystick sensitivity. Variable speed has indicator lights on the remote, displaying the position of the light. Two lights can be controlled using one dash mount remote. A switch is available for changing between the lights. Operators can also switch between visible and infrared light, and spot and flood beams using the remote. The LED light has a waterproof connector between the light and remote.
Power: This light operates on 12-24V DC.
Wiring: On this particular model, the light has a 22` 11-wire wiring harness with Molex MX-150 waterproof connections.
Mounting: The LE-9600-F-M-12I is compatible with magnetic mounting applications via back-located, 200-lb. capacity magnets.
Applications: This high power LED light is ideal for military, outdoor, harsh, patrolling, vehicle, desert, extreme and remote applications.
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)