



Larson Electronics LLC

www.Magnalight.com

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GL

The GL is a revolutionary product that for the first time combines in a high-intensity light, a high-performance battery, rugged construction, and a high tech charging system in one package.

Product Description

The lightweight Profiler II is constructed of engineering grade ABS reinforced with carbon fiber and aircraft aluminum for heavy duty use. It utilizes thermoplastic rubber on the comfort grip and the shock absorbing lens surround. Rubber seals are provided to protect internal components during wet conditions.

The following important features include:

- 1 - **Special Handle System** that allows instant conversion from utility lantern to "pistol" type spot light.
- 2 - **Two Beam Options** A super bright halogen main beam and a power conserving "browsing" light.
- 3 - **Revolutionary Removable Battery Pack** that has the capacity to burn the main lamp for up to 60 minutes on a single charge. Extra battery packs can be used for instant power for extended hours of use.
- 4 - **Advanced Charging System** that will bring the battery to full capacity in only two hours.
- 5 - **Versatile Charging and Operation** choices.

- 12V DC Charging System for use in any vehicle or boat.

System charges the battery pack in the light or can be used with the accessory remote battery charging station for charging spare packs.

- 120V AC Charging System for use wherever AC power is available.

System charges the battery pack in the light or can be used with the accessory remote battery charging station for charging spare packs.

- 12V DC Direct Power System that allows the light to operate independent of its battery pack directly from external 12V DC sources.
- Accessory Remote Charging Station for use with above AC/DC charging systems to keep extra battery packs ready to use.

General Use

- The Profiler II is designed for a wide variety of utility, military, outdoors, fire, rescue, and personal uses. With reasonable care, it is designed to provide many years of satisfactory performance.
- The Profiler II has the ability to be a lantern type light or a handheld "pistol" spotlight. The change between styles is accomplished by depressing the black handle release and rotating the handle 90°.
- The high-intensity searchlight is powered by the squeeze-button trigger switch on the handle. The LED convenience beam is powered by the red button near the rear of the unit.
- The battery pack is released by depressing both retaining clamps located on the sides of the Profiler II adjacent to the battery pack. **Before first use, remove battery and peel off red protective strip.**



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- The threaded adapter on the base of the unit is for the attachment of clamping and stand accessories.
- The included webbed shoulder strap may be attached to the rings near the grip for added convenience.

Battery Power Level Indicator Gauge

The Profiler II is equipped with a series of 3 LED's which serve as battery power level indicators when the main lamp is "on". When the battery is fully charged, all 3 LED's will glow. As the battery power level diminishes, the number of LED's remaining will decrease accordingly. Please reference the below graph for expected performance.

3 LED's On – 100% - 50% battery power level; 60 min – 30 min burn time remaining.

2 LED's On – 50% - 17% battery power level; 30 min – 10 min burn time remaining.

1 LED On – 17% - 0% battery power level; 10 min – 0 min burn time remaining.

* Please note that the above expected performance can vary +/- 10%.

Charging Options

Charging in the 12V DC Docking Station Charging System (Included)

The docking station is designed to be installed on the floor or wall of any vehicle or boat with included mounting hardware. The 12V DC power supply is housed in the docking station and is designed to be connected to a 12V DC power source, via cigarette plug adapter or hardwired directly into a 5 amp fused circuit. If hardwired, we recommend wiring into a switched or ignition based circuit. After a complete discharge, charging the battery pack completely will consume 4.5 Ah (ampere-hours).

1. Make sure the trigger switch is in the off position.
2. Load Profiler II (Battery Installed) into Docking Station by engaging the 2 ports on its bottom plate onto the 2 front hooks of the Docking Station.
3. Push the Profiler II down until the spring loaded hook on the Docking Station catches securely.
4. Depending on the charge condition of the battery pack, it will be fully charged in two hours or less. The charge indicator lamp on the side of the Profiler II glows red during the charging cycle. When the battery is fully charged, it will glow green. A blinking red light indicates charging problems.
5. To remove the Profiler II from the Docking Station, locate the release lever on the side of the Docking Station. Push the release lever down and lift the Profiler II from the Docking Station.

* The Expansion Dock/Remote Charger (optional) can also be interfaced with the main Docking Station. When used in tandem with the Docking Station, the battery inside the Profiler II will charge first, and then the charging current will be directed to the spare battery in the Expansion Dock/Remote Charger.

* Main lamp trigger switch should be in off position prior to charging.



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Charging with Power Adaptors (Included)

1. Insert a battery pack into the Profiler II and make sure it is securely locked in position.
2. Make sure the trigger switch is in the off position.
3. Choose either the 12V DC (in the docking station) or the 120V AC power supply.
4. Lift the rubber closure on the back of the Profiler II to reveal the charger input receptacle and input plug from power supply.
5. Plug the power end of the power supply into the appropriate power source (12V DC or 120V AC).
6. Depending on the charge condition of the battery pack, it will be fully charged in 2 hours or less. The charge indicator lamp on the side of the Profiler II glows red during the charging cycle. When the battery is fully charged, it will glow green. A blinking red light indicates a charging problem.
7. When the charge cycle is complete, remove the power supply and close the rubber closure on the Profiler II charging receptacle.

Charging Battery in Remote Charging Station (Optional)

A remote charging station is available as an optional accessory for use with the included AC and DC power supply for added convenience. This station allows for the charging of batteries outside the Profiler II unit. This is especially useful when a supply of spare battery packs are needed to provide instant reserve power to the Profiler II for extended use situations.

1. Place the station on a level surface indoors or inside a vehicle. Insert a battery pack into the remote charging station.
2. Choose either the 12V DC or the 120V AC power supply.
3. Insert the low voltage plug from the power supply into the receptacle on the back of the remote charging station.
4. Plug the power end of the charging system into the appropriate power source (12V DC or 120V AC).
5. Depending on the charge condition of the battery pack, it will be fully charged in two hours or less. The charge indicator lamps on the top of the station indicate the status of the charge cycle. Green will illuminate during the charge. When the battery is to full capacity, the green light will turn off.
6. When charge cycle is complete, remove the power supply and the battery from the station. Store the charged battery and charging equipment in a dry secure temperature controlled location.

One Year Limited Warranty

The Profiler II is warranted against any deemed defects that are due to workmanship for parts or faulty materials, except lamps, for one year from the date of the original purchase. This warranty does not cover damage resulting from unreasonable use or misuse and unreasonable maintenance or loss.