



U n l e a s h T h e G l o w



TACTICAL FLASHLIGHT & LASER COMBO

U n l e a s h T h e G l o w

OWNER'S MANUAL



LT-ELP38Q-A

Red Laser & LED Flashlight
Combo System



LT-ELP39Q-A

Green Laser & LED Flashlight
Combo System



CAUTION!



If you need to mount the Flashlight & Laser Combo onto a firearm, make sure firearm is not loaded before installation. Remove magazine and examine chamber. Use safe handling procedures at all times.

Always use safe handling procedures at all times. Do not operate the laser if the unit is defective or the cover or seal is damaged.

Avoid direct eye exposure to laser beam or bright reflection as this may cause eye injury.

Do not direct laser beam toward any aircraft, public transportation or other objects with safety concerns. This is very dangerous and may be considered a felony.

Do not direct laser beam toward any person or animal. Direct eye contact with beam or bright reflection may cause eye injury.

The flashlights produce substantial heat during operation. Do not leave activated flashlight unattended. Do not set activated flashlight face down. Do not place activated flashlight against combustible material or material that could be damaged by heat. Do not hold bezel or lens of activated flashlight against any portion of human body. Keep

Ensure that the flashlight and laser cannot be turned on when stored or being transported. If the lamp is activated while in a case or any container, the lamp could overheat and cause damage to surrounding materials.

Do not touch a hot lamp assembly of the flashlight. Allow it to cool before handling. Avoid touching reflector surface of the flashlight. Always wear safety glasses when handling.

Make sure to turn off the flashlight or disconnect the pressure switch before inspecting bulb and battery if the light cannot be turned on.

Examine battery quality and appearance before use each time and make sure that there is no leaking or any deformation. Dispose appropriately if there is a problem.

The batteries are pre-charged by the manufacturer, and cannot be recharged. Recharging can cause battery leakage or, in some cases, high-pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

Install batteries by aligning the + and – signs marked on the battery with the + and – signs marked on the battery chamber in the light.

Turn off the light/laser and remove batteries from flashlight/laser after use. Leaving battery in without use for long period of time may cause damage or danger. Keep batteries cool and dry.



CAUTION! (continued)

Never use non-rechargeable and rechargeable batteries together in the system. Always replace batteries with the exact type and size specified for the system.

Always replace the whole set of batteries at the same time. Never mix new and used batteries in the system.

Never deliberately short circuit batteries. Prolonged short circuit will cause the battery to lose energy and result in significant temperature increase.








Do not carry the Flashlight and Laser Combo with batteries installed in the car trunk while driving.

Keep battery compartment clean and keep any metallic object away from the battery.

Lithium batteries can explode or cause burns if disassembled, shorted, recharged, exposed to water, fire, or high temperatures. Do not place loose batteries in a pocket, purse, or other container containing metal objects. Do not mix new with used batteries or mix required batteries with other types of battery. Do not store batteries with hazardous or combustible materials. Store in cool, dry, ventilated area. Follow applicable laws and regulations for disposal.



Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Replacement Parts			
Contact your flashlight distributor for the following replacement parts:	BAT-LIT890	BAT-NEFL3	BAT-LIT750
	2pc Set of CR123A Lithium Batteries	4pc Set of LR44 Button Batteries for LT-ELP38Q-A	1pc Set of CR2 Lithium Batteries for LT-ELP39Q-A
			
IRB-EL023	TL-PSTL099-A	TL-PSLS268	TL-PSLS279
23mm LED IRB* for LT-ELP38-A and LT-ELP39-A	Flashlight Pressure Switch	Pressure Switch for SCP-LS268	Pressure Switch for SCP-LS279

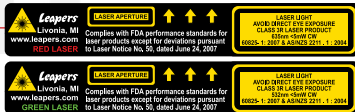
*IRB - Integrated Reflector and Bulb

Component Illustration

LT-ELP38Q-A/39Q-A (Model Number)
AQN0040UB98U (Example Serial Number)



*IRB - Integrated Reflector and Bulb



10 SOLID LOCK POSITIONS
LT-ELP38Q-A
Red Laser & LED Flashlight Combo System

11 SOLID LOCK POSITIONS
LT-ELP39Q-A
Green Laser & LED Flashlight Combo System



The purpose of this diagram is to provide a better understanding of the structure of the Flashlight and Laser Combo System. Please do NOT disassemble the product which will void its warranty.

Specification	Model No.		LT-ELP38Q-A	
	Common Specification	Length	5.08"	
		Weight with Batteries	7.5oz	
		Pressure Switch	Included	
		Mount/Ring	Integral Mounting Deck	
	Flashlight Specification	Bulb Type	23mm LED IRB*	
		Voltage	6V	
		Max. Output	400 lumens	
		Battery / Qty	CR123A x 2	
		Battery Operating Time	3hrs+	
		Focus	Preset	
	Laser Specification	Control & Adjustment	TS & 4 Points	
		Beam Movement	31.5"@11yds	
Type		Class 3R		
Output Power		2.5~3.1mW		
Wavelength		630~640nm		
Beam Diameter		0.6~0.8"@16yds, 75~79°F		
Range		550yds		
Operating Temperature		14~113°F (-10~45°C)		
Battery X Pieces		LR44 x 4 (6V)		
Battery Operating Time		80mins		
Life Time		6000hrs		
Laser Beam Divergence Value		<2mRad		

These Laser Products are designated as Class 3R during all procedures of operation.

Specification	Model No.		LT-ELP39Q-A	
	Common Specification	Length	5.08"	
		Weight with Batteries	8.6oz	
		Pressure Switch	Included	
		Mount/Ring	Integral Mounting Deck	
	Flashlight Specification	Bulb Type	23mm LED IRB*	
		Voltage	6V	
		Max. Output	400 lumens	
		Battery / Qty	CR123A x 2	
		Battery Operating Time	3hrs +	
		Focus	Preset	
	Laser Specification	Control & Adjustment	TS & 3 Points	
		Beam Movement	37.8"@11yds	
Type		Class 3R		
Output Power		2.5~4mW		
Wavelength		530~540nm		
Beam Diameter		0.4~0.5"@16yds, 75~79°F		
Range		>1100yds		
Operating Temperature		59~95°F (15~35°C)		
Battery X Pieces		CR2 X 1 (3V)		
Battery Operating Time		330mins		
Life Time		8000hrs		
Laser Beam Divergence Value		<2mRad		

*IRB - Integrated Reflector and Bulb

Installation & Operation

A: Flashlight Battery Installation

Unscrew the End Cap and install CR123A lithium batteries, following direction in Fig.A1.

Replace the End Cap.

- To use the Flashlight Pressure Switch, please follow steps below. Otherwise, skip this section.
 - Separate the End Cap from the Main Body and take out the Push Button.
 - Replace the Push Button with the Flashlight Pressure Switch (Fig.A2).
 - Tighten the End Cap and Pressure Switch assembly snugly.



B: Rotational Offset Ring(ROR) Adjustment



The Rotational Offset Ring(ROR) is designed for bi-directional use which expands the offset range and maximizes the flexibility of laser position to adapt to different profiles of firearms.

Loosen the Flashlight Front Head and the ROR Locking Screw until the ROR can be pulled forward and rotated freely(Fig.B1).

Pull the ROR towards Flashlight Front Head and rotate the ring to find proper laser position. Tighten the Flashlight Front Head and the ROR Locking Screw (Fig.B2).



To reverse the offset direction of the ROR, please follow steps below. Otherwise skip this section and go to Section C:

- Unscrew and remove the Laser End Switch. Loosen the Laser Locking Screw and remove the laser from the ROR (Fig.B3).
- Remove the Flashlight Front Head.
- Loosen the ROR Locking Screw. Remove the ROR from the flashlight Main Body. Reverse the offset direction and reinstall the ROR (Fig.B4).
- Reinstall the flashlight Front Head.
- Reinstall the laser (Fig.B5).

C: Laser Battery Installation

Remove the End Switch of the laser.

- For LT-ELP38Q-A, install 4 AG13 or LR44 alkaline button cell batteries following the direction in Fig.C1.
 - For LT-ELP39Q-A, install 1 CR2 lithium battery with the positive pole facing the End Cap Switch (Fig.C2).
- Replace the End Switch or the Laser Pressure Switch.

D: Mounting the flashlight/laser combo

Unscrew the 2 Thumb Nuts to loosen the locking plate.

Fit the mounting deck to the mount rail of the rifle or other application.

Tighten the 2 Thumb Nuts to ensure a firm grip on the rail (Fig.D1).

4. Loosen the Flashlight Front Head and ROR Locking Screw. Turn the ROR to find the desired position (Fig.D2).
5. Make sure the notches on the inner surface of the ROR are fully engaged with the slots on the Main Body (Fig.D3).
6. Fully tighten the ROR Locking Screw and the Flashlight Front Head.
7. Loosen the Laser Locking Screw on the ROR to adjust the laser position. Make sure the W/E adjustment screws are leveled vertically or horizontally. Also make sure they are accessible for further laser impact point adjustment (Fig.DX).
8. Tighten the Laser Locking Screw (Fig.D4).



Do not over tighten the screws which could cause damage to the laser sight body.

E: Operation Modes

1. Laser

- 1). On-off Switch Operation
 - a. Tighten the End Cap Switch.
 - b. Press and release the button in the center of the End Cap Switch to turn on or off the laser sight (Fig.E1).
- 2). Pressure Switch Operation



- a. Replace the End Cap Switch with the Laser Pressure Switch.
- b. Press and hold the Pressure Pad in the middle to turn on the laser sight. Release the Pressure Pad to turn off the laser sight (Fig.E2).

2. Flashlight

- 1). End Cap with Push Button Twist-on
 - a. Tighten the End Cap until the light is on (Fig.E3).
- 2). End Cap with Push Button Momentary Push-On
 - a. Tighten the End Cap until the light is on.
 - b. Slightly loosen the End Cap until the light is off.
 - c. Press and hold the Push Button in the center to turn on the light. Release the Push Button to turn off the light (Fig.E4).
 - d. Repeat step 2 and 3 to find the best press/hold/release tension.
- 3). Pressure Switch Operation
 - a. Install the Flashlight Pressure Switch.
 - b. Press and hold the Pressure Pad in the middle to turn on the light. Release the Pressure Pad to turn off the light (Fig.E5).

Windage/Elevation Adjustment



1. Once the Laser Sight is mounted in position, the Adjustment Screw on the top or bottom of the Laser becomes the Elevation Adjustment Screw, and the Adjustment Screw on the side of the Laser becomes the Windage Adjustment Screw.
2. Stabilize the firearm to minimize any unexpected movement. Fire a test shot. If the impact point of the bullet is exactly in the center of the target, then the Laser Sight is zeroed. Otherwise, it needs to be adjusted based on the bullet impact. To move the laser beam upward/downward, use Allen wrench to rotate the Elevation Adjustment Screw. To move the laser beam left/right, rotate the Windage Adjustment Screw.
3. Keep test firing and adjusting until achieving zero.

IMPACT POINT MOVEMENT INSTRUCTION		Adjustment Screw Positions (From Rear of Laser)			
W/E Adjustment		Bullet Impact Point Movement			
Windage					
Elevation					

IRB* Replacement



Make sure there is no battery in the light. Unscrew the Lens Cap counterclockwise to expose the *IRB.

Pull out IRB* from the Flashlight Front Head.

Follow the above steps in reverse order to install a new IRB*.



Make sure the flashlight totally cools down before replacing IRB*.

Maintenance

1. Maintain the metal surface of the Flashlight and Laser Combo by removing any dirt or sand with a soft brush to avoid scratching the finish.
2. Store the system in a cool dry place when not in use. Be careful to avoid contact with acid, alkaline or corrosive chemicals.
3. Take the battery out. This insures good working batteries for your system and prevents battery leakage.
4. Keep a fresh package of batteries next to your laser. This gives you back-up power for your system.
5. Do not store your system in high temperatures. This would damage your laser sight and may result in battery leakage.
6. Do not put the flashlight head against any surface especially paper or human skin for it has heat and may result in accidents.
7. Do not leave your system under the seat in your car, or in direct sunlight to avoid over-heating.
8. Make sure that power is at off position before storing it away.
9. Do not attempt to lubricate any part of the system.
10. Do not disassemble the system other than replacing light bulb or pressure switch. Do not loosen or remove screws or parts. Any such or similar actions will void the warranty.
11. For laser products, service is only to be handled by authorized factory trained technicians. There is no product service or user serviceable parts allowed by the customer.

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