



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-ZLP38**  
Red Laser &  
Xenon Flashlight  
Combo System



**LT-ELP38**  
Red Laser &  
LED Flashlight  
Combo System



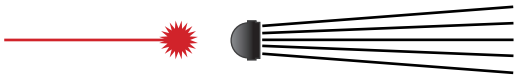
**LT-ZLP39**  
Green Laser &  
Xenon Flashlight  
Combo System



**LT-ELP39**  
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

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.

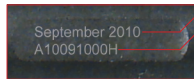
### Replacement Parts

Contact your flashlight distributor for the following replacement parts:

			
BAT-LIT870	BAT-NEFL3	BLB-TLP08A	
2PC Set of CR123A Lithium Batteries	3PC Set of LR44 Button Batteries	23mm Xenon IRB* for LT-ZLP38 and LT-ZLP39	
			
IRB-EL023	TL-PSTL099-A	TL-PSLS268	TL-PSLS269
23mm LED IRB* for LT-ELP38 and LT-ELP39	Flashlight Pressure Switch	Pressure Switch for SCP-LS268	Pressure Switch for SCP-LS269

\*IRB - Integrated Reflector and Bulb

# Component Illustration



Date of Manufacture  
Serial Number

Laser End Cap Switch

T-6 Aircraft Aluminum  
Main Body

Push Button

End Cap

Laser  
Pressure Switch

Flashlight Pressure Switch

W/E Adjustment  
Screws

ROR Locking  
Screw

Laser Aperture

Laser  
(Red: SCP-LS268  
Green: SCP-LS269)

Laser Locking  
Screw

Thumb Nuts

Rotational Offset  
Ring(ROR)

Integral Mounting Deck

**16 SOLID LOCK POSITIONS**

LT-ZLP38

Red Laser & Xenon Flashlight Combo System

LT-ELP38

Red Laser & LED Flashlight Combo System

**9 SOLID LOCK POSITIONS**

LT-ZLP39

Green Laser & Xenon Flashlight Combo System

LT-ELP39

Green Laser & LED Flashlight Combo System



Lens Cap

IRB\*

Flashlight  
Front Head



Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007



Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

\*IRB - Integrated Reflector and Bulb



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-ZLP38	LT-ELP38	
	Common Specification	Length	4.88"	4.88"	5.08"
		Weight with Batteries	7.5oz	7.5oz	7.5oz
		Pressure Switch	Included	Included	Included
		Mount/Ring	Integral Mounting Deck	Integral Mounting Deck	Integral Mounting Deck
	Flashlight Specification	Bulb Type	23mm Xenon IRB*	23mm LED IRB*	23mm LED IRB*
		Voltage	6V	6V	6V
		Max. Output	126 lumens	150 lumens	150 lumens
		Battery / Qty	CR123A x 2	CR123A x 2	CR123A x 2
		Battery Operating Time	70mins	2hrs+	2hrs+
	Focus	Preset	Preset	Preset	
	Laser Specification	Control & Adjustment	TS & 4 Points	TS & 4 Points	TS & 4 Points
		Beam Movement	31.5"@11yds	31.5"@11yds	31.5"@11yds
Type		Class 3R	Class 3R	Class 3R	
Output Power		2.5~3.1mW	2.5~3.1mW	2.5~3.1mW	
Wavelength		630~640nm	630~640nm	630~640nm	
Beam Diameter		0.6~0.8"@16yds, 75~79°F	0.6~0.8"@16yds, 75~79°F	0.6~0.8"@16yds, 75~79°F	
Range		550yds	550yds	550yds	
Operating Temperature		14~113°F (-10~45°C)	14~113°F (-10~45°C)	14~113°F (-10~45°C)	
Battery X Pieces		LR44 x 4 (6V)	LR44 x 4 (6V)	LR44 x 4 (6V)	
Battery Operating Time		80mins	80mins	80mins	
Life Time		6000hrs	6000hrs	6000hrs	
Laser Beam Divergence Value	<2mRad	<2mRad	<2mRad		

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

Specification	Model No.		LT-ZLP39	LT-ELP39	
	Common Specification	Length	4.88"	4.88"	5.08"
		Weight with Batteries	10oz	10oz	10oz
		Pressure Switch	Included	Included	Included
		Mount/Ring	Integral Mounting Deck	Integral Mounting Deck	Integral Mounting Deck
	Flashlight Specification	Bulb Type	23mm Xenon IRB*	23mm LED IRB*	23mm LED IRB*
		Voltage	6V	6V	6V
		Max. Output	126 lumens	150 lumens	150 lumens
		Battery / Qty	CR123A x 2	CR123A x 2	CR123A x 2
		Battery Operating Time	70mins	2hrs +	2hrs +
	Focus	Preset	Preset	Preset	
	Laser Specification	Control & Adjustment	TS & 4 Points	TS & 4 Points	TS & 4 Points
		Beam Movement	37.8"@11yds	37.8"@11yds	37.8"@11yds
Type		Class 3R	Class 3R	Class 3R	
Output Power		2.5~4mW	2.5~4mW	2.5~4mW	
Wavelength		530~540nm	530~540nm	530~540nm	
Beam Diameter		0.4~0.5"@16yds, 75~79°F	0.4~0.5"@16yds, 75~79°F	0.4~0.5"@16yds, 75~79°F	
Range		>1100yds	>1100yds	>1100yds	
Operating Temperature		59~95°F (15~35°C)	59~95°F (15~35°C)	59~95°F (15~35°C)	
Battery X Pieces		CR123A X 1 (3V)	CR123A X 1 (3V)	CR123A X 1 (3V)	
Battery Operating Time		6hrs	6hrs	6hrs	
Life Time		3000hrs	3000hrs	3000hrs	
Laser Beam Divergence Value	<2mRad	<2mRad	<2mRad		

\*IRB - Integrated Reflector and Bulb

## Installation & Operation

### A: Flashlight Battery Installation

1. Unscrew the End Cap and install CR123A lithium batteries, following direction in Fig.A1.
2. Replace the End Cap.
3. To use the Flashlight Pressure Switch, please follow steps below. Otherwise, skip this section.
  - 1) Separate the End Cap from the Main Body and take out the Push Button.
  - 2) Replace the Push Button with the Flashlight Pressure Switch (Fig.A2).
  - 3) 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.

1. Loosen the Flashlight Front Head and the ROR Locking Screw until the ROR can be pulled forward and rotated freely(Fig.B1).
2. 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).



3. To reverse the offset direction of the ROR, please follow steps below. Otherwise skip this section and go to Section C:
  - 1) Unscrew and remove the Laser End Switch. Loosen the Laser Locking Screw and remove the laser from the ROR (Fig.B3).
  - 2) Remove the Flashlight Front Head.
  - 3) Loosen the ROR Locking Screw. Remove the ROR from the flashlight Main Body. Reverse the offset direction and reinstall the ROR (Fig.B4).
  - 4) Reinstall the flashlight Front Head.
  - 5) Reinstall the laser (Fig.B5).

### C: Laser Battery Installation

1. Remove the End Switch of the laser.
  - 1) For LT-ZLP38 and LT-ELP38, install 4 AG13 or LR44 alkaline button cell batteries following the direction in Fig.C1.
  - 2) For LT-ZLP39 and LT-ELP39, install 1 CR123A lithium battery with the positive pole facing the End Cap Switch (Fig.C2).
2. Replace the End Switch or the Laser Pressure Switch.

### D: Mounting the flashlight/laser combo

1. Unscrew the 2 Thumb Nuts to loosen the locking plate.
2. Fit the mounting deck to the mount rail of the rifle or other application.
3. 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).

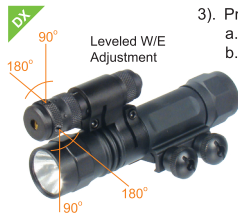


Do not over tighten the screws which could cause damage to the laser sight body.

## 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

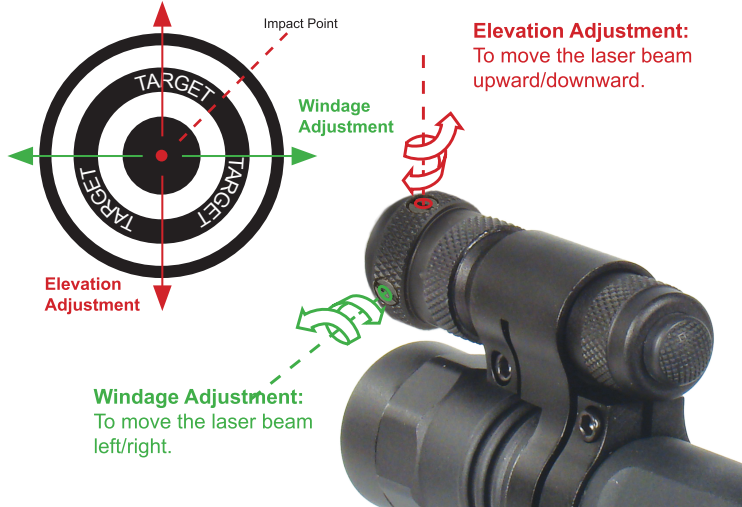


- a. Replace the End Cap Switch with the Laser Pressure Switch.
- b. Press and hold the Pressure Pad in the middle to turn on the laser sight. Release the Pressure Pad to turn off the laser sight (Fig.E2).

## 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



1. Make sure there is no battery in the light. Unscrew the Lens Cap counterclockwise to expose the \*IRB.
2. Pull out IRB\* from the Flashlight Front Head.
3. 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.

## One Year Limited Warranty

This warranty covers defects in materials and workmanship of the product, provided that they are purchased from an authorized distributor and purchased and used in the United States. The warranty lasts for a period of one year from the date of original purchase of the product.

You are entitled to rights under this warranty only if you are the original purchaser of the product and have the original purchase receipt. This warranty is not transferable. We will at our option, repair or replace products that do not conform to this warranty. We may use functionally equivalent reconditioned, refurbished, remanufactured, pre-owned or new products or parts.

This warranty is void if:

- the product has been disassembled, tampered with or parts or screws have been removed or loosened; or
- the product has been abused, maliciously damaged, mistreated or used for a purpose contrary to the purpose for which it was designed or the instructions provided with the product.

For Warranty service, please contact your authorized distributor and provide them with a written description of the defect and your original purchase receipt. You must obtain a Return Authorization Number and return procedures with delivery destination before returning the product for repair or replacement. For further warranty service information, contact: Customer Service Department, Leapers<sup>®</sup>, Inc., 32700 Capitol Street, Livonia, MI 48150; (734) 542-1500.

## Disclaimer and Limitation of Liability

Leapers is pleased to offer suggestions of the use of its products, however Leapers neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by Leapers, whether verbal or written.

EXCEPT FOR THE EXPRESS WRITTEN WARRANTY SPECIFICALLY SET FORTH ABOVE, ALL EXPRESS AND IMPLIED REPRESENTATIONS AND WARRANTIES ARE HEREBY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, NON-INTERFERENCE, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR WARRANTY OF ACCURACY OF ANY INFORMATION PROVIDED WHETHER WRITTEN OR ORAL. ALL WARRANTIES ARISING FROM ANY COURSE OF DEALING, LAW, USAGE OR TRADE PRACTICE ARE HEREBY EXPRESSLY EXCLUDED TO THE EXTENT ALLOWED BY LAW. TO THE EXTENT AN IMPLIED WARRANTY CANNOT BE EXCLUDED, SUCH WARRANTY IS LIMITED IN DURATION TO ONE YEAR. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

UNDER NO CIRCUMSTANCES IS LEAPERS, OR ITS SUPPLIERS OR RESELLERS LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES; 2) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; OR 3) LOST PROFITS, BUSINESS REVENUE, GOODWILL, OR ANTICIPATED SAVINGS. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.