



STREAMLIGHT TLR-8 Sub Rail Mounted Tactical Light with Red Laser Instruction Manual

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**TLR-8 Sub Rail Mounted Tactical Light with Red Laser
Instruction Manual**



TLR-7® sub/ TLR-8 ® sub Series Operating Instructions

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TLR-8 Sub Rail Mounted Tactical Light with Red Laser


Thank you for selecting the TLR-7® sub or TLR-8 ® sub series weapon-mounted tactical flashlight. As with any fine tool, reasonable care and maintenance of this product will provide years of dependable service. Please read this manual before using your TLR®, it includes important safety and operating instructions and should be saved. SAVE THESE INSTRUCTIONS. This guide contains important safety and operating instructions for your TLR.





CAUTION The TLR series provides a powerful beam. When operated for a long time, it will get uncomfortably warm. This is NORMAL and is not a defect. Any LED flashlight of similar size and performance will produce similar amounts of heat during operation. The only way to reduce operating heat is to SIGNIFICANTLY lower the output or increase the size of the flashlight. While this heating may trigger the drop reflex if an


unattended hot light is picked up, the temperature does not present a burn hazard. When used tactically for short periods of time to clear a room, check for intruders, etc., heating will not be a problem.

 **CAUTION** STROBE MODE MAY CAUSE SEIZURES IN PERSONS WITH PHOTSENSITIVE EPILEPSY.

 **WARNING** HANDLING A FIREARM CAN BE DANGEROUS AND MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. READ AND FOLLOW THESE OPERATING INSTRUCTIONS AND SAFETY STATEMENTS.

 **WARNING** SERIOUS INJURY OR EVEN DEATH may result without proper training in the safe handling of firearms. Proper training should be obtained from an accredited firearms safety program conducted by competent, qualified instructors in the military, police academies or National Rifle Association affiliated instruction programs.

 **WARNING** HANDLING A FIREARM CAN BE DANGEROUS AND MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. Be certain the firearm is pointed in a SAFE direction. Never put your finger on the trigger unless you intend to shoot and you are sure of your target and backstop. Never point a firearm at something you are not willing to destroy.

 **WARNING** ACCIDENTAL DISCHARGE OF A FIREARM MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. The TLR should only be activated with the non-trigger hand while employing a two-hand grip on the firearm and with the trigger finger outside the trigger guard when possible.


Thoroughly practice (employing safe training conditions) with the TLR and firearm before using the weapon in a tactical situation.

BEFORE ATTACHING, REMOVING, INSPECTING OR SERVICING A FIREARM-MOUNTED TLR:

1. Read and fully understand your firearm's operating/instruction manual before attaching your gun mounted light.
2. Read and fully understand the TLR operating instructions.
3. Engage the safety on the firearm if applicable.
4. Remove the magazine from the firearm if applicable.
5. Open the action and inspect the chamber to be sure it is empty.

IT IS IMPERATIVE THAT SAFETY MEASURES BE EMPLOYED AT ALL TIMES WHILE HANDLING THE FIREARM.

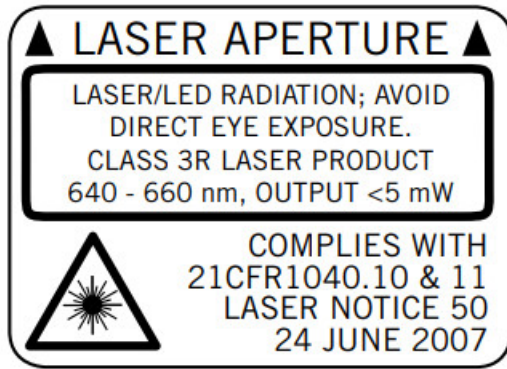
BATTERY SAFETY

 **CAUTION** EXPLOSION RISK, BURN, AND FIRE HAZARD. DO NOT DISASSEMBLE, CRUSH, SHORT CIRCUIT, HEAT ABOVE 212°F (100°C), OR DISCARD IN FIRE. DO NOT MIX ALKALINE BATTERIES OF DIFFERENT BRANDS OR OLD WITH NEW BATTERIES. DO NOT RECHARGE ALKALINE. ONLY USE STREAMLIGHT, PANASONIC, OR SANYO SIZE CR123A; DURACELL 123A, OR ENERGIZER 123. KEEP AWAY FROM CHILDREN. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

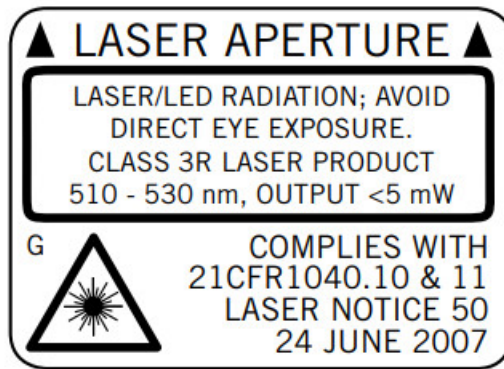
LED SAFETY

 **CAUTION** LED RADIATION (RG-2). DO NOT STARE INTO BEAM. MAY BE HARMFUL TO EYES. PER IEC 62471 ED 1.0:2006-07.

LASER (TLR-8® sub only)



LASER (TLR-8® G sub only)



RAIL KEY INSTALLATION/REMOVAL

THE TLR MUST BE REMOVED FROM THE FIREARM BEFORE THIS PROCEDURE CAN BE PERFORMED.

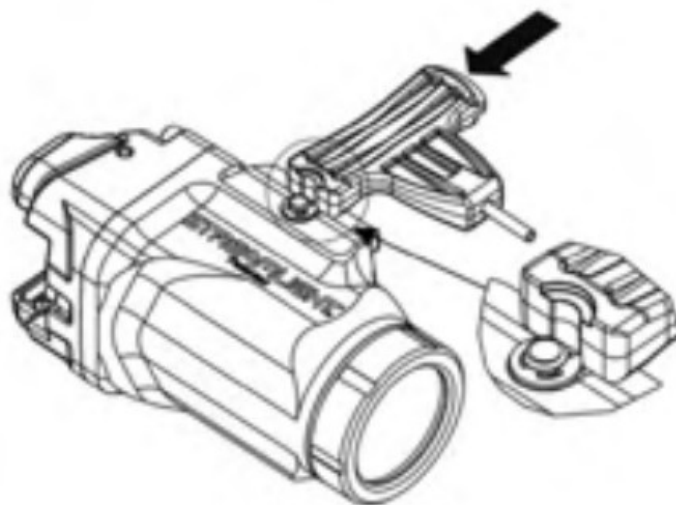
The TLR-7® sub and TLR-8® sub are available in several configurations. The following information on key replacement is currently only applicable to the 1913 short model. If the key installed on the unit is not correct, select a key that will securely attach your TLR to the weapon with special regard for: width of key and rail slot, operation of the switch, and non-interference with the trigger guard, etc. Refer to the Compatibility List for configurations that are tested and

approved by Stream light. Models other than the 1913 short are shipped with the firearm specific key and rail clamp installed and no additional keys.

A KEY MUST BE USED OR THE TLR WILL SLIDE OFF THE WEAPON RAIL UNDER RECOIL.

Rail Key Removal

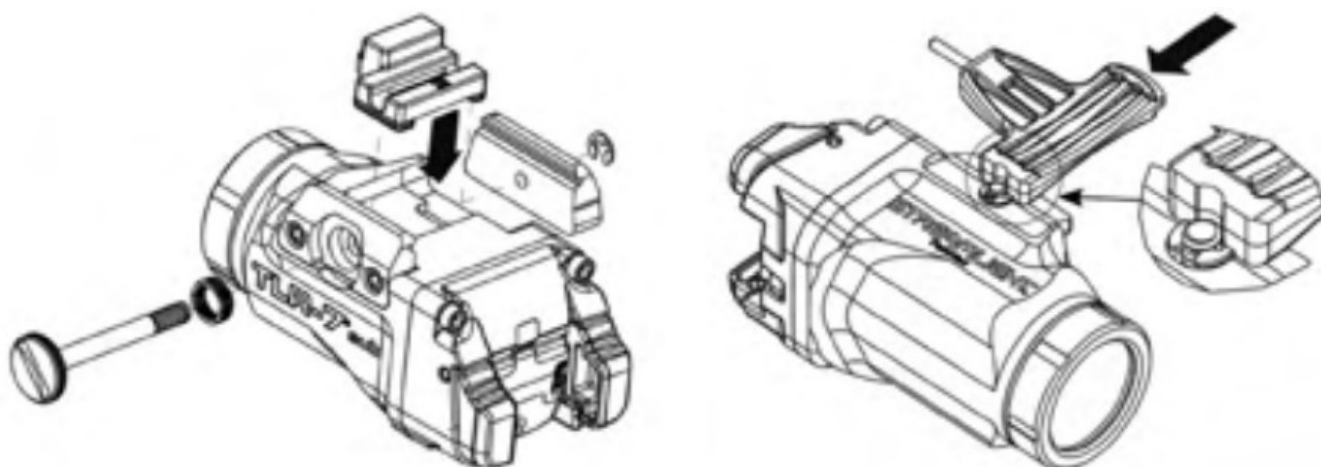
1. Fully tighten the rail clamp tension bolt.
2. The e-clip will become accessible on the end of rail clamp tension bolt (not installed from the factory).
3. Align the e-clip side of the multi-tool with the pin facing towards the lens and apply pressure to free the e-clip from the rail clamp tension bolt. The tool must push against the open end of the e-clip.
4. Unscrew the rail clamp tension bolt and remove it completely (the tension spring must stay with the rail clamp tension bolt).



Rail Key Installation

1. Unscrew the rail clamp tension bolt and remove it completely (the tension spring must stay with the rail clamp tension bolt).

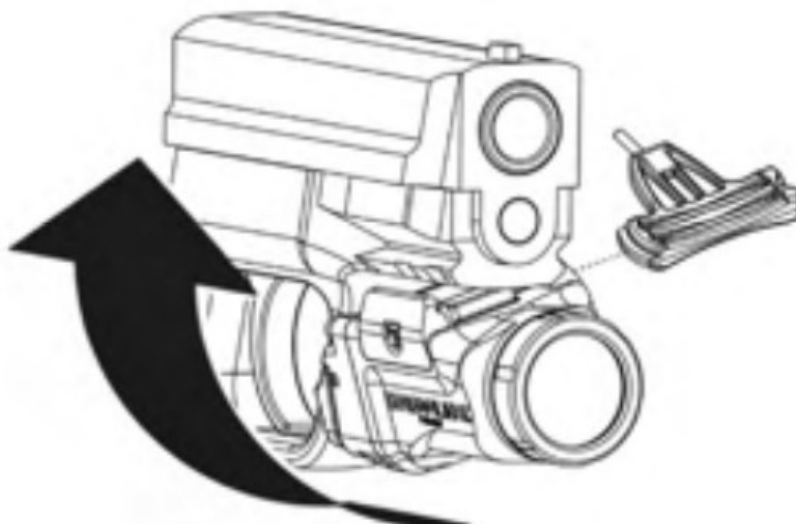
2. Place the key into the slot between the movable portion of the rail clamp and the fixed side.
- Note:** The key is fitted properly when the rail clamp tension bolt can be installed.
3. Insert the rail clamp tension bolt through the fixed side of the rail clamp, through the key and tighten into the movable side of the clamp.
 4. Tighten the rail clamp tension bolt fully against the fixed side of the rail clamp.
 5. Place the e-clip onto the moveable rail clamp and align the open end with the groove in the threaded portion of the rail clamp tension bolt.
 6. Align the e-clip side of the multi-tool with the pin facing towards the switch and push the tool until the e-clip snaps into place.



FLASHLIGHT MOUNTING/REMOVAL

⚠ WARNING HANDLING A FIREARM CAN BE DANGEROUS AND MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. MAKE SURE THAT THE FIREARM IS UNLOADED AND THE BREECH IS OPEN. IT IS IMPERATIVE THAT SAFETY MEASURES BE EMPLOYED AT ALL TIMES WHILE HANDLING THE FIREARM.

1. The TLR is designed to be quickly attached or detached from the side of the weapon or accessory rail.
2. Loosen the rail clamp tension bolt.
3. Angle the TLR, placing the fixed portion of the rail clamp against the accessory rail and align the rail key with the appropriate cross groove in the accessory rail.



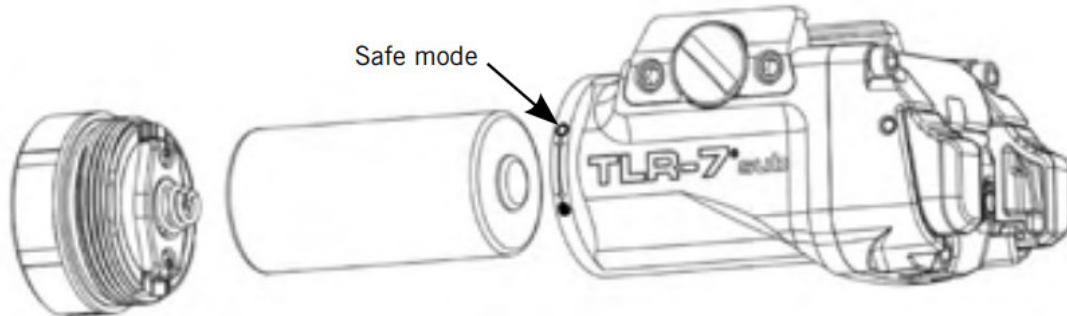
4. Depress the rail clamp tension bolt to open the rail clamp, rotate the TLR into place and release the pressure on the tension bolt to “snap” the light in place.
5. Check for fit and tighten rail clamp tension bolt until the TLR is securely attached to the firearm.
NOTE: The driver feature of the multi-tool opposite the e-clip feature may be used to obtain sufficient tightness. Alternatively, a coin may be used. Tighten only “finger tight.”

BATTERY INSTALLATION/REMOVAL

⚠ WARNING HANDLING A FIREARM CAN BE DANGEROUS AND MAY RESULT IN SERIOUS INJURY, DAMAGE TO PROPERTY, OR DEATH. MAKE SURE THAT THE FIREARM IS UNLOADED AND THE BREECH IS OPEN. IT IS IMPERATIVE THAT SAFETY MEASURES BE EMPLOYED AT ALL TIMES WHILE HANDLING THE FIREARM.

At the end of battery life, the switch may appear intermittent or non-functional. Replacing the battery will restore normal operation.

1. Unscrew and remove the farcical assembly from the body of the TLR. Remove the exhausted battery from the flashlight body.
2. Insert a fresh CR123A battery, positive end first, into the body of the TLR. Battery polarity is indicated on the side of the TLR body.
3. Place the farcical assembly onto the TLR body. Fully tighten the farcical assembly to ensure that the battery makes complete contact with the internal electrical contacts.
4. For “safe” mode, loosen the farcical approximately ¼ turn to the detent. The light/laser will not turn on when either button is pressed and the battery is disconnected.



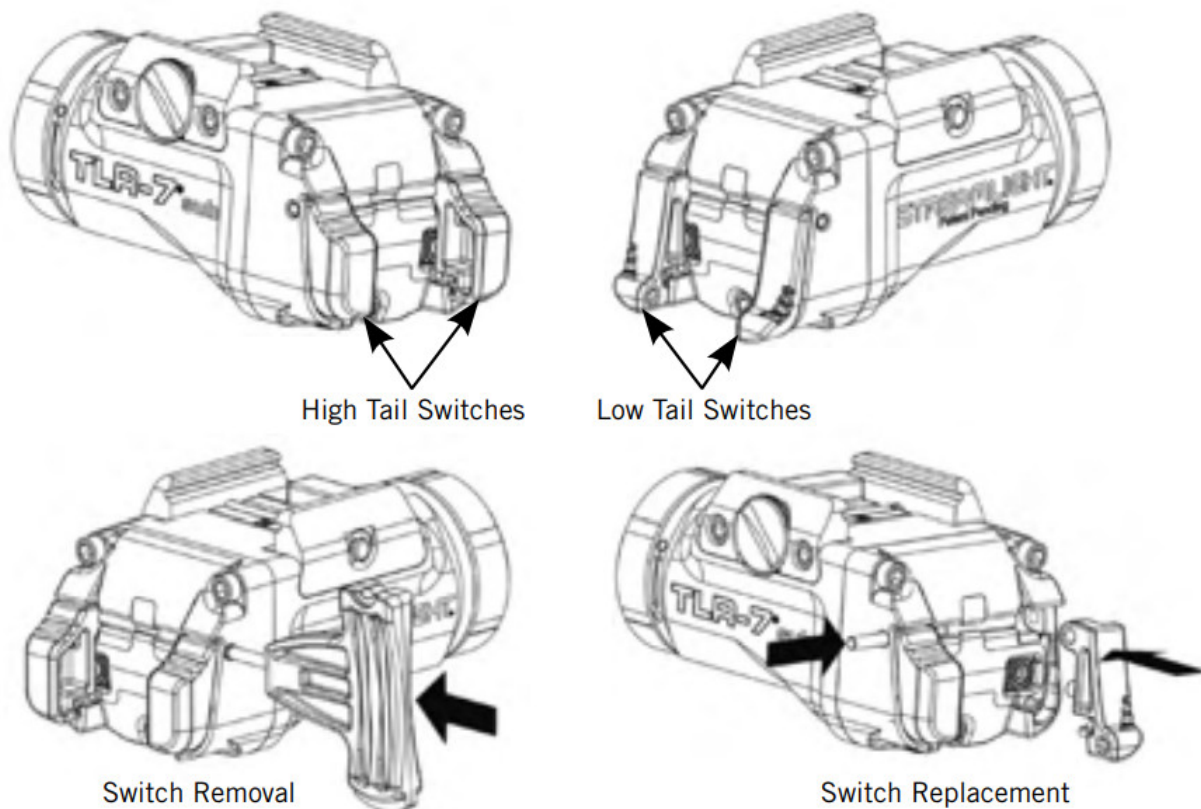
SWITCH OPERATION

The TLR-7® sub models feature ambidextrous rear switches. All models provide momentary or constant activation.

- A tap on either switch turns the unit “on” or “off”.
- Press and hold either switch for momentary activation of the unit.
- **NOTE:** The TLR will not operate if the farcical is in “safe” mode.

Rear Switch Options

The TLR-7® sub and TLR-8 ® sub have two versions of switches available, depending on user grip preference. The LOW switch set presents the rear switches lower on either side of the trigger guard while the HIGH switch set presents the rear switch higher up on either side of the trigger guard. The LOW and HIGH tail switches are interchangeable by using the push pin feature on the multi-tool to press the retaining pin clear of the paddle on one side and then the other. See the switch removal and replacement views below.



Strobe Enable/Disable

The TLR ships from the factory with the strobe mode disabled. To enable strobe, starting from the “Off” position, tap either switch very rapidly 9 times (within ¼ second per tap) and hold down on the 10th time. Hold the switch until the light turns off (about one second) which indicates reprogramming was successful. Repeat the procedure above to disable strobe mode.

Strobe Operation

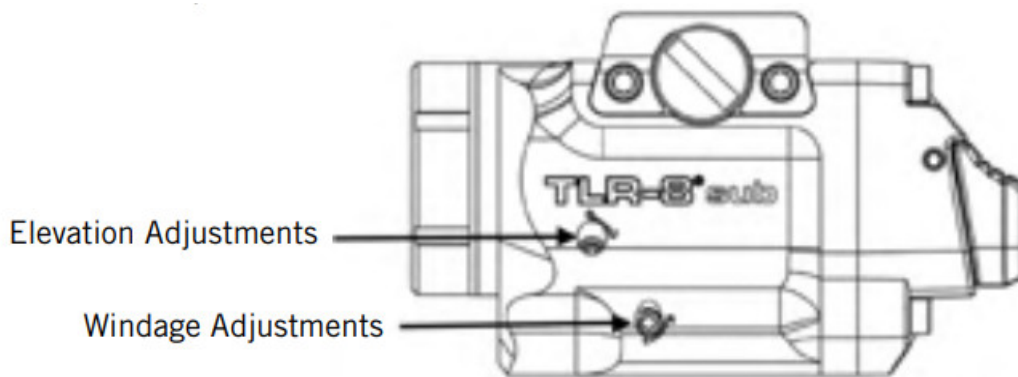
The strobe mode can be activated by either switch. Within ¼ second, press either switch, release and immediately re-press for strobe.

LASER SIGHT ZEROING

For a laser mounted below or to the side of the bore, there is only one distance where the bullet path will coincide with the laser sight line. This point is the “zero range”. Laser adjustment and the muzzle velocity of the bullet determine where this point occurs. The user must decide how high above or below the sight line the bullet can be allowed to strike and adjust the sight accordingly. At distances less than the zero range the bullet will be above the sight line. Beyond the zero range the bullet will be below the sight line. If mounted to the side, the bullet will also deviate to the side of the laser line, as well as up and down. In practice, a TLR on a handgun can be adjusted to keep the bullet strike within about 2” high and 2” low out to about 100 feet.

There are two adjustment screws located on the left side of the flashlight body. The windage adjustment is located closest to the bottom of the flashlight. Turn the set screw clockwise to move the laser to the left (POI right). Turn the set screw counterclockwise to move the laser to the right (POI left). The elevation adjustment is located higher up on the flashlight body. With the TLR pointed down range a clockwise turn of the adjustment screw will move the laser up (POI down). A counterclockwise turn on the adjustment screw will move the laser down (POI up). Move the laser dot in the direction that the shots are hitting the target (example: If the bullets are striking low and right, move the laser dot down and right to coincide with the bullet strike).

NOTE: When making large adjustments there may be an interaction that causes the laser to move diagonally or bind. It may become necessary to rotate the opposing adjustment screw counterclockwise to allow the laser cartridge to move to the desired position.



MAINTENANCE

The TLR rail clamp tension bolt requires an application of high quality gun oil to keep it rust free. Use a soft cloth and mild detergent to clean the glass LED lens and keep it free of dirt and grime.

Note: Always avoid aggressive cleaning solutions as they may damage the TLR. If you shoot ammunition with an exposed lead base on the bullets, the lens and farcical may become coated with lead. This may be removed from the lens by rubbing with fine steel wool. It is extremely difficult to remove the lead coating from the farcical. Wrap the farcical with electrical tape to avoid lead coating.

PRODUCT USE: Stream light flashlights are intended for use as high intensity, heavy duty, and portable light sources. Use of Stream light flashlights for any purpose other than as light sources is specifically discouraged by the manufacturer. Stream light specifically disclaims liability for other than recommended use.

NOTICE Be sure to use only genuine Stream light replacement parts. To assure product safety always use Stream light approved replacement parts, substitution may invalidate the product approval. Do not try to repair the unit yourself. Send to a qualified service facility or return it to the factory.

Streamlight Limited Lifetime Warranty:

Stream light warrants this product to be free of defects for a lifetime of use except for batteries and bulbs, abuse and normal wear. We will repair, replace or refund the purchase price of this product should we determine it to be defective. This limited lifetime warranty also excludes rechargeable batteries, chargers, switches and electronics which have a 2 year warranty with proof of purchase. THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW. You may have other specific legal rights which vary by jurisdiction.

Go to www.streamlight.com/support for a complete copy of the warranty. Retain your receipt for proof of purchase.

SERVICE OPTIONS

The TLR models contain few or no user-serviceable parts.

For service options, go to www.streamlight.com/support/service and complete the Online Service Request for factory service or to find the location of an authorized Stream light repair center near you.

Or contact: Customer Service

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Documents / Resources

	<p>STREAMLIGHT TLR-8 Sub Rail Mounted Tactical Light with Red Laser [pdf] Instruction Manual</p> <p>TLR-8 Sub Rail Mounted Tactical Light with Red Laser, TLR-8 Sub, Rail Mounted Tactical Light with Red Laser, Tactical Light with Red Laser, Light with Red Laser, Red Laser</p>
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References

-  [Streamlight Tactical & Safety Rated Flashlights & Headlamps](#)
-  [Support](#)
-  [Service Options](#)