



# ***AVENGER·GX***

Digital EDC flashlight



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## **User Manual**



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instruction in the literature

## Welcome to Lumapower

Please take a moment to register your product on our Web site at <http://www.Lumapower.com>. It enables us to keep you posted on our latest advancements, and helps us to better understand our customers and build products that meet their needs and Expectations.

This product has been designed and manufactured to the highest quality standards. However, if something does go wrong with this product, Lumapower and its national distributors warrant free of charge labour and replacement parts in any country served by an official distributor.

**Unpacking:** Check the product carefully. If it has been damaged in transit, report the damage immediately by calling your dealer and/or the shipping company that delivered it.

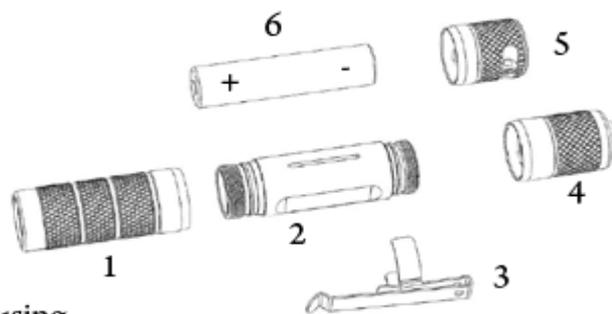
**Read Instructions.** All the safety and operating instructions should be read before the product is operated.

**Follow Instructions.** All operating and use instructions should be followed.

**Replacement Parts.** When replacement parts are required, be sure the replacement parts have the same characteristics as the original part. Unauthorized substitutions may cause damage to the unit.

## Introduction

Lumapower Avenger GX supports input voltage from 0.9V to 3.3V. It is powered by 1 x AAA batteries. Avenger GX is fitted with pure white LED module driven by current regulation circuitry to achieve a consistent level of light output for the useable life of the batteries.



1. Reflector housing  
-, double side AR coated lens , - Reflector, - LED module
2. Battery tube,
3. Pocket clip
4. Clicky Switch Cap
5. Twisty switch Cap
6. AAA Battery (not included)

Avenger GX features a forward clicky switch and multi-level digital output control circuit with memory functions.

**Clicky Style :**

Half-press the tail switch to power on Avenger GX momentary, full press to lock it for constant on. Another full press to release the lock (power off)

**Twisty Style :**

Turn Battery tube with clockwise motion to LED housing for power-on, release for power-off. Power On and Off within 1 second to change output level.

**Digital output control and Memory**

Half press (Twist and Release) to cycle the output from Low, Medium and High.

At each output level, with a full press to lock it (twisty style).

During selected level power on within 1 second, you can change the output by power off and on. As the selected level powered over 1 second will activate the memory-IC to store the status and remains the same output with your next start.

The memory-IC retains last mode for easy usage.

**Battery Installation**

Unscrew the Reflector housing (or tail switch) and insert new batteries with positive ends towards LED assembly. Replace reflector housing (tail cap) and hand tighten. Depress tailcap pushbutton switch to test.

**Note:** It would not light if battery is inserted in wrong direction.

**Avenger GX will not work if wrong battery insertion.**

**Thread Lock System at Reflector housing.**

**Never use rechargeable Li-ion battery with Avenger GX.**



**CAUTION:** Avenger GX flashlights are high-output lighting devices. Due to possible eye injury, **DO NOT look directly into the reflector when the light is switched on.** Safety is your responsibility, too.

External surface temperature will rise during prolonged operation; this is a normal operating phenomenon.

**Battery Replacement**

If there is significant decrease in brightness of light output you should replace the battery. Unscrew the LED-engine and remove the old battery. Insert a new battery as mentioned in

**Battery Installation Guide**

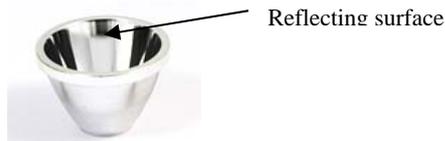
**WARNING:** Lithium batteries can explode or cause burns if disassembled, shorted, recharged, exposed to water, fire, or high temperatures. Do not place loose batteries in a pocket, purse or other container containing metal objects or store with hazardous or combustible materials. Store in cool, dry,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

**Maintenance**

Clean and lubricate threads with a clean cloth and apply thin coat of silicon-based lubricant to

rubber O-rings. **Note:** Do not use petroleum-based lubrication on O-rings. After prolonged exposure to moisture, the bezel and batteries should be removed, inspected, and dried if necessary.

 **WARNING:** Lumapower reflector is made with high precision process. Do not touch or clean the reflecting surface using any cloth which may cause damage to the surface material affecting the illuminating performance.



#### **Non-use Periods.**

If Avenger GX is left unused for long period, the installed battery should be removed from the unit.

#### **Output & Runtime**

Accurately specifying light output (lumens) and runtime is complicated for LED flashlights. Installed batteries and operating temperature are the main factors affecting the light output and runtime. Lumapower doesn't guarantee its products can reach the specification under the using condition of users.

#### **Specification**

LED : Cree XP-E R2

Reflector : SMO type

Output : 4 Lumens to 75 Lumens (max) with 1.2V NiMH battery

Runtime : 90 minutes at High, 220 minutes at Medium, 1000 minutes at Low (1.2V NiMH 1000mAh)

Batteries : 1.2V NiMH, 1.5V AA

Length : 86.5mm (Twisty style), 94.5mm (Clicky style)

Bezel/Tail Diameter : 15mm

Body Diameter : 14mm

Material : T6061 aircraft aluminum

Body coating : Type III HA Black

Accessories : spare o-rings, pocket clips, key holder, lanyard, both tail switches.

**Specifications:** All product specifications/features are subject to change without notification.