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## EDC LM 33 (ver. 2.0)



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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.

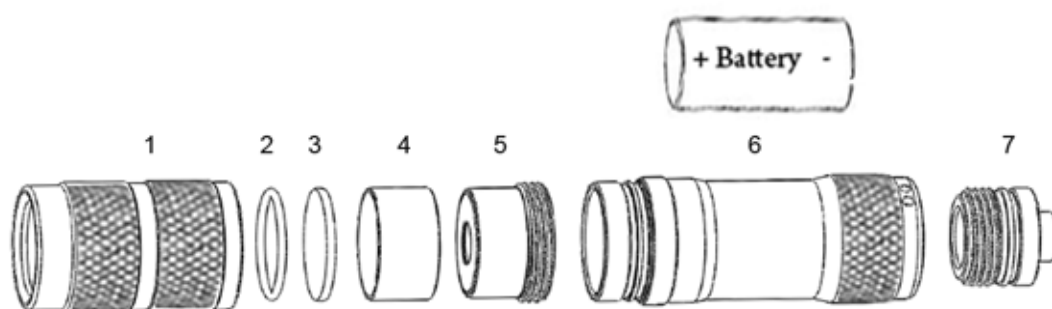
**Read Instructions.** All the safety and operating instructions should be read before the product is operated.

**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 EDC LM 33 supports input voltage from 0.9V to 4.2V. It is powered by 1 x CR123A, 1 x 16340 batteries. EDC LM 33 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. Head housing, 2. O-ring, 3. AR-coated lens
4. Reflector, 5. LED module, 6. Battery tube, 7. Switch module

EDC LM 33 features a forward clicky switch and multi-level digital output control circuit. Half-press the tail switch to power on EDC LM 33 momentary, and full press to lock it for constant on.

### **Digital output control**

Half press to cycle the output from Low, Medium and High.

At each output level, with a full press to lock it.

You can change the output by power off and on.

The power off status over 5 seconds will restore the output status to low output with your next start.

### **Battery Installation**

Unscrew the Head housing and insert new battery with positive ends towards LED assembly.

Replace bezel and hand tighten. Depress tailcap pushbutton switch to test.

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

**Mechanical polarity protection will protect the circuit from wrong battery insertion.**



**CAUTION:** EDC LM 33 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 Head housing 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.



Reflecting surface

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

If EDC LM 33 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-G2 R5

Reflector : OP textured type

Max. OTF Lumens : 4, 100, 200 (primary CR123A); 8, 180, 320 (rechargeable Li-ion 16340)

Runtime (minutes) : 55 (High), 200 (Medium), 6000 (Low) : CR123A

Batteries : 3.0V primary CR123A, 3.7V rechargeable Li-ion (16340)

Length : 82mm

Bezel/Tail Diameter : 22mm / 21.5mm

Body Diameter : 20mm

Weight : 36.5g (without battery installed)

Material : T6061 aircraft aluminum

Body coating : Type III HA Grey

Accessories : spare o-rings, lanyard.

#### **Battery is not included.**

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