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## MagLite ML300L-S3106

# Maglite ML300L LED Flashlight User Manual

Model: ML300L-S3106

## INTRODUCTION

The Maglite ML300L LED 3-Cell D Flashlight is engineered for dependable performance across various environments. Constructed with a precision-machined aluminum body, it offers water-resistance and impact durability. This manual provides comprehensive instructions for the setup, operation, and maintenance of your ML300L flashlight, ensuring optimal performance and longevity.





Figure 1: Maglite ML300L LED Flashlight in its retail packaging.

## SETUP

### Battery Installation

The Maglite ML300L requires three (3) D-cell alkaline batteries for operation. Follow these steps to install the batteries:

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert three D-cell batteries into the battery compartment, ensuring the positive (+) end of each battery faces towards the head of the flashlight.
3. Carefully screw the tail cap back on by turning it clockwise until it is securely tightened. Do not overtighten.





117h  
Eco Mode

625  
LUMENS

HIGH

406m

625  
LUMENS

41200cd

IPX7

1m

16h

HIGH

77h

LOW

117h  
ECO

# MAGLITE<sup>®</sup> ML300L<sup>™</sup>

LED FLASHLIGHT

3-CELL D



maglite.com



Figure 2: Front view of the Maglite ML300L LED Flashlight, showing the main body and head.

## OPERATING INSTRUCTIONS

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### QuickClick System

The ML300L features the QuickClick system, allowing users to easily switch between various lighting modes by rapidly clicking the power button. The default mode (General) provides three power settings:

- **One Click:** Full Power (168 lumens)
- **Two Clicks:** Low Power
- **Three Clicks:** Eco Mode (58 lumens) for extended runtime

### Adjustable Focus

The flashlight's beam can be adjusted from a narrow spotlight to a wide floodlight. To adjust the focus, simply rotate the head of the flashlight less than a quarter turn. This allows for quick transitions between long-range visibility and broader area illumination.

### Activity-Based Function Sets

The ML300L offers four customizable function sets, each tailored for specific activities. You can program the flashlight to respond differently to clicks based on your needs:

- **General (Default):** Full Power, Low Power, Eco Mode.
- **Outdoor:** Full Power, Low Power, Strobe.
- **Law Enforcement:** Momentary, Full Power, Eco Mode.
- **Tactical:** Momentary, Full Power, Strobe.

To change the function set:

1. Unscrew the tail cap slightly (less than 1/4 turn) until the flashlight does not turn on.
2. While holding down the power button, screw the tail cap back on completely.
3. Continue holding the button. The flashlight will blink to indicate the current function set (1 blink for General, 2 for Outdoor, etc.). Release the button during the pause after the desired number of blinks to select that function set.

# ACTIVITY-BASED FUNCTION SETS

FUNCTION SET	 1 GENERAL (Default)	 2 OUTDOOR	 3 LAW ENFORCEMENT	 4 TACTICAL
1 CLICK	Full Power	Full Power	Momentary	Momentary
2 CLICKS	Low Power	Low Power	Full Power	Full Power
3 CLICKS	Eco	Strobe	Eco	Strobe

Figure 3: Activity-Based Function Sets and their corresponding click operations.

## MAINTENANCE

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### Cleaning

To maintain the performance and appearance of your Maglite ML300L, wipe the exterior with a soft, damp cloth. Avoid using abrasive cleaners or solvents. Ensure the O-rings are clean and lightly lubricated with silicone grease periodically to maintain water resistance.

### Battery Care

Remove batteries from the flashlight if it will not be used for an extended period to prevent battery leakage, which can damage the flashlight. Always use fresh, high-quality alkaline batteries.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Flashlight does not turn on.	Dead or improperly installed batteries.	Check battery orientation. Replace with fresh batteries.
Light is dim or flickers.	Low battery power; loose connections; dirty contacts.	Replace batteries. Ensure tail cap is tight. Clean battery contacts and bulb contacts with a clean cloth.
Beam focus is not smooth.	Dirt or debris in the head assembly.	Gently clean the head assembly and threads.

## SPECIFICATIONS

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Feature	Detail
Model	ML300L-S3106
Light Source	LED
Power Source	3 x D-Cell Alkaline Batteries
Brightness (Max)	625 Lumens (as per FL1 Standard)
Beam Distance	406 meters (as per FL1 Standard)
Peak Beam Intensity	41200 cd (as per FL1 Standard)
Runtime (High)	16 hours (as per FL1 Standard)
Runtime (Low)	77 hours (as per FL1 Standard)
Runtime (Eco)	117 hours (as per FL1 Standard)
Water Resistance	IPX4 (Water Resistant)
Drop Resistance	1 meter (as per FL1 Standard)
Material	Precision-machined Aluminum
Dimensions	11.75"D x 2.25"W x 2.25"H
Item Weight	3.52 ounces (without batteries)

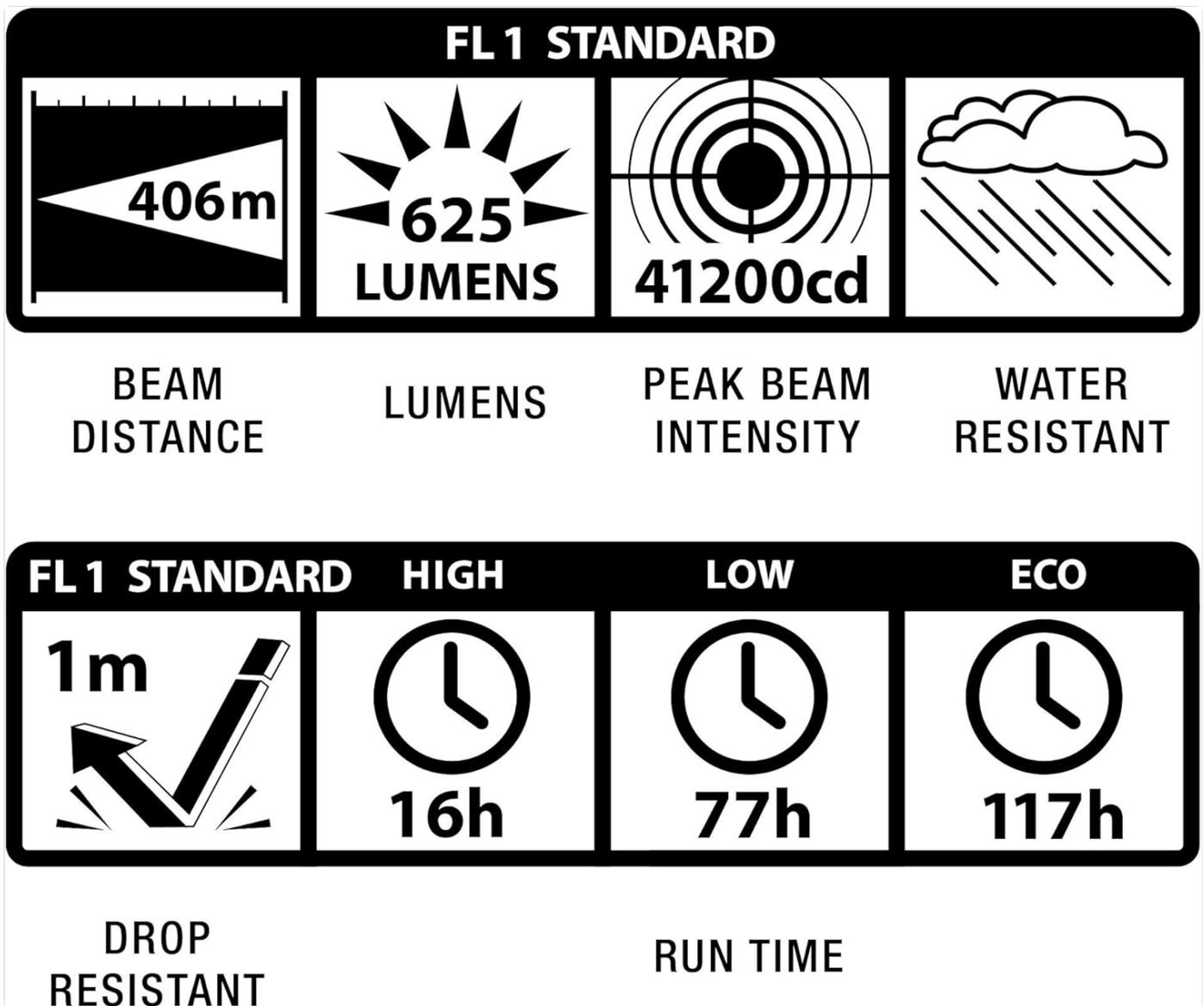


Figure 4: FL1 Standard performance metrics for the Maglite ML300L.

## WARRANTY AND SUPPORT

### Warranty Information

The Maglite ML300L LED Flashlight comes with a Limited Lifetime Warranty. This warranty covers defects in materials and workmanship. For specific terms and conditions, please refer to the official Maglite website or contact customer support.

### Customer Support

For further assistance, technical support, or warranty claims, please visit the official Maglite website:

[www.maglite.com](http://www.maglite.com)

