

ACEBEAM acebeam-l18

ACEBEAM L18 Long Throw OSRAM LED Flashlight User Manual

Model: acebeam-l18

INTRODUCTION

The ACEBEAM L18 is a high-performance tactical flashlight engineered for exceptional long-range illumination. With a maximum output of 1500 lumens and an impressive 1000-meter beam distance, it is an ideal tool for various demanding applications including hunting, search and rescue, law enforcement, and general outdoor use. This manual will guide you through the proper use and care of your L18 flashlight to ensure optimal performance and longevity.



Figure 1: The ACEBEAM L18 Long Throw OSRAM LED Flashlight, showcasing its robust design and powerful head.

SETUP

Battery Installation

The ACEBEAM L18 flashlight operates on a single 5100mAh Lithium-Ion battery (not included with all packages). Ensure you use a high-quality, compatible 21700 Lithium-Ion battery for optimal performance and safety.

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert the 21700 Lithium-Ion battery with the positive (+) terminal facing towards the head of the flashlight.
3. Carefully screw the tail cap back on clockwise until it is securely tightened. Overtightening is not necessary, but ensure a snug fit to maintain water resistance.

Initial Charge (If Applicable)

If your battery is rechargeable and not fully charged, it is recommended to charge it before first use. Refer to your battery's specific charging instructions. The L18 itself does not have an integrated charging port; external charging of the battery is required.

OPERATING INSTRUCTIONS

The L18 features dual switches for intuitive and rapid operation.

Basic Operation

- **Power On/Off:** Press the side switch once to turn the flashlight on or off.
- **Mode Switching:** When the flashlight is on, press and hold the side switch to cycle through the brightness levels: Moonlight → Low → Mid1 → Mid2 → High. Release the switch to select the desired mode.
- **Turbo Mode:** Double-click the side switch from any mode (or off) to instantly activate Turbo mode (1500 lumens). Double-click again to return to the previously used mode.
- **Strobe Mode:** Triple-click the side switch from any mode (or off) to activate Strobe mode. Triple-click again to return to the previously used mode. This mode is designed to disorient an attacker without excessive force.
- **Momentary On (Tactical Tail Switch):** Press and hold the tactical tail switch for momentary illumination. Release to turn off.
- **Constant On (Tactical Tail Switch):** Fully click the tactical tail switch to turn the flashlight on constantly in Turbo mode. Click again to turn off.

Lockout Mode

To prevent accidental activation, the L18 features a lockout mode:

- **Activate Lockout:** When the flashlight is off, press and hold the side switch for 3 seconds until the light flashes briefly. The flashlight is now locked out.
- **Deactivate Lockout:** Press and hold the side switch for 3 seconds until the light flashes briefly. The flashlight is now unlocked and ready for use.

Power Indicator

The power indicator integrated into the side switch provides information on the remaining battery power. Consult the manufacturer's specifications for detailed indicator meanings (e.g., green for full, red for low).

OSRAM KW CSLPM1.TG LED

- An update PMMA lens provides better light quality with a soft and balanced beam
- The aggressive strike bezel is used to break windows or defend in an emergency situation



Figure 2: Close-up view of the ACEBEAM L18's OSRAM KW CSLPM1.TG LED and the aggressive strike bezel, designed for improved light quality and emergency use.

MAINTENANCE

Cleaning

Regular cleaning helps maintain the flashlight's performance and appearance.

- Wipe the body of the flashlight with a clean, soft cloth.
- For the lens, use a lens cleaning cloth and solution to avoid scratches.
- Keep the threads and O-rings clean. Apply a thin layer of silicone grease to the O-rings periodically to maintain water resistance and smooth operation.

Battery Care

- Remove the battery if the flashlight will not be used for an extended period to prevent potential battery drain or leakage.
- Store batteries in a cool, dry place.
- Use only recommended chargers for your Lithium-Ion battery.

Water Resistance

The ACEBEAM L18 is rated IP68 for water resistance, meaning it is protected against continuous immersion in water up to 2 meters. Ensure the tail cap is fully tightened before exposing the flashlight to water.



Figure 3: The ACEBEAM L18 demonstrating its IP68 water resistance, capable of being submerged up to 5 meters.

TROUBLESHOOTING

If you encounter issues with your ACEBEAM L18 flashlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is dead or incorrectly inserted. Tail cap is loose. Flashlight is in lockout mode.	Charge or replace battery. Ensure battery is inserted with positive (+) end towards head. Tighten tail cap. Deactivate lockout mode (press and hold side switch for 3 seconds).
Light output is dim or flickers.	Low battery power. Poor contact between battery and contacts.	Charge or replace battery. Clean battery contacts and flashlight contacts. Ensure tail cap is fully tightened.
Flashlight gets hot quickly.	Operating in Turbo/High mode for extended periods.	The L18 features intelligent temperature regulation. It will automatically reduce output to prevent overheating. This is normal operation. If it overheats excessively, ensure proper ventilation.
Cannot switch modes.	Side switch malfunction or lockout mode.	Deactivate lockout mode. If issue persists, contact customer support.

SPECIFICATIONS

Detailed technical specifications for the ACEBEAM L18 Flashlight:

- **Model:** acebeam-l18
- **Light Source:** OSRAM LED
- **Max Output:** 1500 Lumens
- **Max Beam Distance:** 1000 Meters
- **Max Runtime:** 94 days (Moonlight mode)
- **Peak Beam Intensity:** 250000cd
- **Power Source:** 1 x 21700 Lithium-Ion Battery (not included)
- **Material:** Aerospace-grade Aluminum with hard-anodized finish
- **Dimensions:** 154mm (Length) x 52.2mm (Head Diameter) x 25.4mm (Tube Diameter)
- **Weight:** 147.5g (without battery); 220.5g (with battery)
- **Water Resistance:** IP68 (Submersible to 2 meters)
- **Impact Resistance:** 1 Meter
- **Special Features:** TIR optical lens, aggressive strike bezel, dual switches, intelligent temperature regulation, gold-plated circuitry contacts, lockout mode, strobe mode.

Brightness Levels and Runtimes:

- **Moonlight:** 1 lumen; 94 days
- **Low:** 53 lumens; 220 meters; 47 hours
- **Mid1:** 190 lumens; 369 meters; 12 hours
- **Mid2:** 390 lumens; 520 meters; 5 hours
- **High:** 750 lumens; 697 meters; 2 hours 15 minutes
- **Turbo:** 1500 lumens; 1000 meters; 1 hour 30 minutes
- **Strobe:** 900 lumens; 3 hours

WARRANTY AND SUPPORT

For warranty information regarding your ACEBEAM L18 flashlight, please refer to the warranty card included with your purchase or visit the official ACEBEAM website. Warranty terms and conditions may vary by region and retailer. If you require further assistance, technical support, or have questions not covered in this manual, please contact ACEBEAM customer service through their official website or the retailer from whom you purchased the product.

Note: No official product videos were available in the provided data for embedding in this manual.

