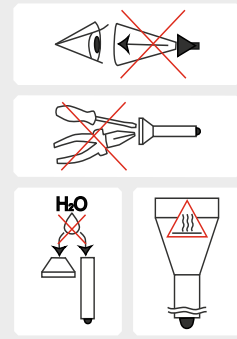


Warnings



1. Always follow the instructions from this manual and recommendations on battery usage.
2. Apply only the recommended power sources.
3. Do not reverse battery polarity.
4. Do not use different power sources together, i.e. old ones with new ones, charged with discharged. Do not use different types of batteries combined as the element with less capacity can be damaged.
5. Do not modify or recast the flashlight and its components as it will deprive you of the warranty.
6. Do not allow water or any other liquid to leak into the flashlight.
7. Do not aim a turned-on flashlight at people's or animals' eyes – it can cause temporary blindness.
8. Do not allow children to use the flashlight without your assistance.



Armytek Optoelectronics Inc. shall not be liable for any harm done to the user if it was caused by improper use of the product.

Care and Storage

It is recommended to clean the threads and O-rings off dirt and old grease. Remember that secure protection from water and dust cannot be provided by worn out sealing. And fouling as well as lack of lubricant cause fast wear-out of threads and sealing rings.

To clean the threads do the following:

1. Unscrew the tailcap and remove the sealing ring carefully with a toothpick (do not use sharp metal things as they can damage the ring).
2. Wipe the sealing ring thoroughly with a soft cloth (or tissue). Do not use solvents. If the sealing ring is worn out or damaged replace it by a new one.
3. Clean the metal threads with a brush using ethanol. Be careful not to allow applied liquid to get inside the flashlight or tailcap as it can cause fails in functionality of the flashlight.

After cleaning lubricate the thread and the sealing ring with polyalphaolefin-based silica grease, e.g. Nyogel 760G. The application of automotive and other improper grease can cause swelling and damage of the sealing rings.

In case of active operation and exploitation in dusty environments, it is recommended to perform cleaning and lubricating of the parts as often as required, even if it is more than twice a year.



We recommend NOT to leave power sources inside the flashlight for a long storage period, as batteries (especially, non-rechargeable) can leak for various reasons and damage the inner parts of the flashlight. If you want to keep your flashlight in a stand-by state with batteries in, use new and quality batteries, store the flashlight in acceptable for batteries operational temperature and revise the batteries' state at least once a month. If you have noticed any signs of batteries' defects, withdraw them from the flashlight and take out of operation. It is also recommended to replace discharged batteries with new ones before the storage as the chance of leakage is higher with discharged batteries.

Service and Warranty

Armytek provides free warranty repair for 10 years from the purchase.

Warranty doesn't cover damage caused by:

1. Improper usage.
2. Attempts to modify or repair the flashlight by nonqualified specialists.
3. Longtime application in chlorinated or polluted water, or other liquids (other than water).
4. High temperatures and chemicals' exposure (including the exposure of liquid from defected batteries).
5. Usage of low-quality batteries.

Armytek Optoelectronics Inc.

Web: www.armytek.com Email: service@armytek.com
Address: 67 Vandervoort Dr, Richmond Hill, Ontario, L4E 0C7, Canada

Specifications are subject to change without notice.

Tiara

THE MOST TECHNICALLY ADVANCED
FLASHLIGHTS IN THE WORLD

USER MANUAL

Thank you for choosing the products of Armytek Optoelectronics Inc., Canada.
Please read this manual carefully before using the flashlight.

Specifications

Armytek Optoelectronics Inc. is a Canadian manufacturer that produces powerful and reliable flashlights designed especially for your needs applying in them components made in the USA and Japan. **10 years no-hassle warranty.**

- Impressively powerful multi-flashlight with 450 / 500 LED lumens brightness running on one AA / CR123A battery
- TIR-optics provides wide light for efficient area illumination
- Easy operation and 6 comfortable modes of light output
- Reliable headband made of soft and flexible materials for comfortable fixation of the flashlight on the head
- Small and light, but at the same time durable and multi-functional flashlight
- Prolonged runtimes — up to 90 (130) hours with one power element
- Removable pocket clip and flat tailcap for vertical standing
- Complete correspondence to the highest standards of durability and reliability: the flashlight easily withstands fallings, impacts and vibration

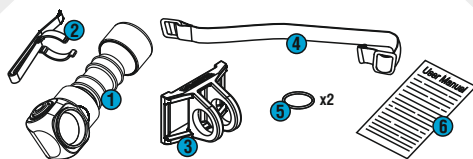
| Model | Tiara A1 | Tiara C1 |
|--|--|---|
| LED | Cree XM-L2 | |
| Optics | TIR | |
| Brightness stabilization type | FULL stabilization (constant brightness) | |
| Light output, LED / OTF lumens* | 450 / 370 | 500 / 400 |
| Peak beam intensity, candelas | 1050 | 1150 |
| Hotspot/spill | 70° / 120° | |
| Beam distance* | 65 meters | 68 meters |
| Hotspot diameter at 5 meters | 7 meters | |
| Modes and runtimes (measured for Sanyo Eneloop AA 2000 mAh / Armytek CR123A 1500 mAh to the decrease to 10% of initial brightness) | Firefly1: 0.15lm / 90d Firefly2: 1.7lm / 200h Main1: 10 lm / 25h Main2: 70 lm / 3h Main3: 210 lm / 1.2h Max: 370 lm / 30min | Firefly1: 0.15lm/130d Firefly2: 1.7lm / 300h Main1: 10 lm / 40h Main2: 70 lm / 5h Main3: 210 lm / 2h Max: 400 lm / 35min |
| Power source | 1xAA / 1x14500 Li-Ion | 1x18350 Li-Ion / 1xR123 Li-Ion / 1xCR123A |
| Size | Length 86mm, body diameter 24.5mm | Length 72mm, body diameter 24.5mm |
| Weight (without batteries) | 48g | 45g |

* Light outputs for flashlights with Warm light are about 7% less, beam distances are about 3% less.



We recommend to use Sanyo Eneloop AA rechargeable batteries instead of ordinary AA batteries to obtain higher brightness and longer runtimes. We highly recommend NOT to use CR123A batteries as a power source for often and continuous flashlight's operation. Remember that old or low-quality disposal batteries can be damaged under heavy load and explode.

Set description



Tiara

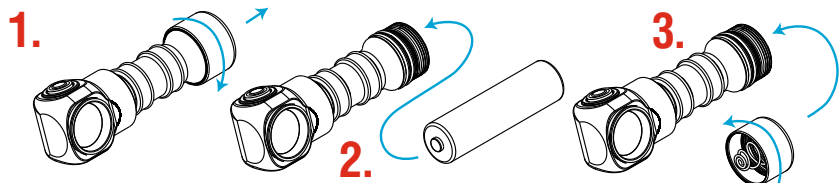
Items included in the package:

- 1 - Flashlight
- 2 - Clip
- 3 - Silicone holder
- 4 - Headband
- 5 - 2 spare O-rings
- 6 - User manual



- ✓ Depending on the model, your flashlight can inconsiderably differ from the pictures in the manual.
- ✓ The producer reserves the right to change the package at his own discretion without modifying this manual.

Initial Service



To set/replace batteries:

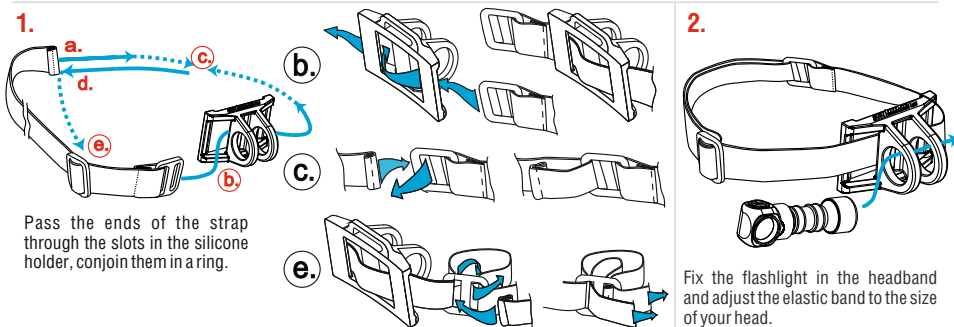
1. Unscrew the tailcap.
2. Place the batteries with the positive contact (+) facing the head of the flashlight.
3. Adjust the tailcap and tighten it as far as it can go.

The flashlight is ready for operation.



We recommend **NOT** to leave power sources inside the flashlight for a long storage period, as batteries (especially, non-rechargeable) can leak for various reasons and damage the inner parts of the flashlight. If you want to keep your flashlight in a stand-by state with batteries in, use new and quality batteries, store the flashlight in acceptable for batteries operational temperature and revise the batteries' state at least once a month. If you have noticed any signs of batteries' defects, withdraw them from the flashlight and take out of operation. It is also recommended to replace discharged batteries with new ones before the storage as the chance of leakage is higher with discharged batteries.

To use the head mount with the flashlight:



Pass the ends of the strap through the slots in the silicone holder, conjoin them in a ring.

Fix the flashlight in the headband and adjust the elastic band to the size of your head.

Operation

In OFF state:

Click: To turn on the last used mode.

Press and hold: To go through 2 Firefly modes (release to select). Keeping button pressed will start cycling through the Main modes.

In ON state:

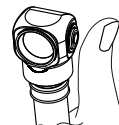
Click: To turn off the flashlight.

Press and hold: To start cycling through the Main modes.

Double click: To turn on the Maximum mode. The second double click brings back the last used mode.

For comfortable operation you have a convenient momentary access to all the following modes:

Click x1



OFF → Main (if last used)

Main

Main. Short click from OFF-state activates the Main mode (if it was the last mode used previously).

Press & Hold



OFF → Firefly1 → Firefly2

Firefly

Firefly. Press and hold the button in OFF-state to turn on the desired Firefly mode and then release immediately. Keeping the button pressed will start cycling through the Main modes.

Click x2

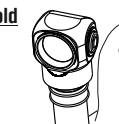


Any mode → Max
Max → Last mode

Maximum

Maximum. The mode is activated by double click in any mode. To return to the last mode make double-click again.

Press & Hold



Main1 → Main2
Main3

Cycling through Modes

Cycling through the Main modes. In ON-state press and hold the button (in any mode): the 3 Main modes will start switching cyclically. Release the button to select the desired mode. In Maximum mode it starts cycling through the Main modes.

Automemorizing. After switching off the last used Mode is memorized for quick 1-click access at next switching on.

Lock-out function. Unscrew the tailcap to 1/4 for the protection from accidental switching on.

Low Battery Indication

Warning



Critical



Warning Indication. In ON-state shows low battery level. When it is <25%, the main LED flashes 2 times once a minute. At critical level <5% light output decreases to Firefly1 and then switched off.