



The most technically advanced  
flashlights in the world



# ARMYTEK CATALOGUE 2014

# ARMYTEK HISTORY

Let's start from the middle. **Legally Armytek Optoelectronics Inc. was registered by Olga Khanoutin, the company's President, in the beginning of the 2010 in Ontario, Canada.**

But everything began much earlier. Starting from 2007 we have taken part in more than 50 international exhibitions in different continents. **Our corporation has multiple patents worldwide.** Now our product line consists only of 9 models which are represented in 32 countries of the world, but by the end of 2014 there will be launched **more than 40 models of flashlights and 12 kinds of original accessories, which altogether will cover every significant sphere.**

And you are able to throw almost all our flashlights from 10th-floor height and submerge them at 50 meters. Why? We've just put in such great margin of safety. **10 years no-hassle warranty.**

**We bust myths. No more compromises.  
Forget everything you've known about flashlights before.**

## **So what distinguishes us from other companies?**

- Canadian manufacturer and own factory.
- Designed especially for your needs.
- The team of scientists and engineers engaged in military and space industry.
- The best and tried-and-true components by USA and Japan.
- Particular attention to durability and technologies, not only to external design.

**Our Mission is to provide people with the most reliable and technically advanced light in the world.**

How it was made?

We've got interested in LED lighting in 2007 and just like everyone — have become its active users because of its efficiency and convenience. But European and American companies present at that time at LED market offered expensive and conservative products, being behind the world progress for years though reliable. From the other hand, Chinese manufacturers were producing beautiful and modern products at reasonable cost, but they were technologically "crude" at many aspects, as for them the outer varnish and repeat sales are much more valuable than quality and durability for years. They usually copied the look of the product using the domestic components and stated the same characteristics as in the prototype, but it was cheaper and nicer. **That was a problem. We solve problems without doubts.**

**And the most interesting part was begun.**

1. We have gathered an international group of developers from Canada, Europe and Russia. It consists of **the best scientists, engineers and designers from military, aircraft and space industry.** They are working hard to create the most innovative and technically advanced flashlights in the world. **It's amazing that secret military technologies can uncompromisingly serve the humanity.**

In fact only such people can find the presumptive problems in the design, optics, electronics and power supplies. *Wherever and whenever.* Our engineers never agree to compromises and aim to refine every detail, find the best material — and they can do it due to the great experience and invariable intention to reach perfection.

2. **For many years we've been accumulating experience and thoroughly investigated the real requirements of the end customers who wanted to obtain a quality and reliable light.** We speak about military officers and Special Forces, hunters and divers, rescuers and firemen, speleologists and bikers — all the enthusiastic and demanding people. As the users of LED lights — we are not interested in the “dry” list of unnecessary parameters which the manufacturers consider meaningful. **The product we need has to fit our real-world requirements and embrace the features that are valuable and unique especially for us.**
3. To create reliable lighting products we completely refused to apply Chinese components from the domestic market i.e. cheap analogs of well-known brands. **We decided to implement in our products only the best LEDs and cutting-edge electronics made in Japan and USA to obtain the revolutionary and unprecedented results.**

We've created our first tactical flashlight “Predator” from the ground up, and it has compiled in itself a plenty of innovative solutions (in which at the beginning many people even refused to believe). Leaping ahead we may say that Chinese manufac-

turers haven't even been able to replicate our technologies using cheap components so they've just copied its names without real implementing in the products (for instance, Firefly Technology). Meanwhile we started **the hard tests** of Predator **in severe conditions of torrid USA deserts and frosts of north Canada and Russia.**

4. **In 2009 we have made a strategically right decision to open an own factory in China.** It was made to enable us to provide our customers all over the world with robust and submersible high-tech flashlights at the best prices and in the shortest time. The great characteristics of our lights are for years confirmed by the reviewers' measurement, opinions of real users and positive feedback of Special Forces. **Nowadays our manufacture is a 6-floor building containing all the modern production facilities, high-end equipment, ultra reliable materials and special system of quality-control.**
5. Our name “Armytek” wasn't chosen accidentally. It's the reflection of the main idea: the army requirements to the reliability of our products and the latest world technologies in use. **Here's an amazing fact — when we use the most advanced technologies on the edge of possibilities we discover the real engineers' art — to find the ideal solution that will give the highest possible features, valuable to each customer group.**

Branches of our corporation are scattered all over the world. This is because a small group of professionals turned into a solid team of likeminded people, active and ambitious. We are totally sure in the result we reach and are really interested in the thing we do for you.

These advantages that distinguish us from our competitors enabled us to enter the new stage in the development and take a worthy place at the LED lighting market.

We successfully maintain the sale of our products made with advanced technologies. For the past few years we've established contacts with clients on more than 30 countries. Armytek bases the partnership upon trust and tries to satisfy the most daring requirements of its customers.

**Constant and continuous feedback enables us to react fast to the customers' needs and improve our products each time over-riding ourselves.**

**Our team is totally goal-oriented, that allows us to look forward straightly and confidently and not only to keep pace with the time, but to move ahead, setting the trend.**

**Yours, Armytek**

# HOW TO CHOOSE A FLASHLIGHT EASILY

Our enigneers and designers in **Armytek** thoroughly consider the application sphere for each flashlight model. That's why it's rather easy to select the most suitable variant for you.

By the way, when choosing the flashlight remember, that warm light is better for applying in the conditions of fog in comparison with white light.

## For what tasks do you need a flashlight?

### Underbarrel flashlights or Tactical flashlights

Using with rifles — **Predator** or **Predator Pro** — 400 m of excellent light.

Using with shotguns — **Viking** or **Viking Pro** — 300 m of light with specially designed wide spot.

*What are the main differences of Pro version from Basic version — constant brightness even at frost and with almost discharged battery, advanced mode operation.*

Cost-effective for under-barrel application with rifles and shotguns — **Dobermann** — 300 m of directed light.

*Based on Dobermann model we offer also far-throwing flashlights with green and red light. They don't frighten the game or reveal your location.*

The best choice for applying with shotguns are compact tactical flashlights with TIR-optics, which doesn't cause an irritating effect of "tunnel vision" — 4 **Partner** models on different power sources: 1xAA, 2xAA, 1xCR123A, 1x18650.

### Search flashlights

A flashlight with a long body on 2x18650 batteries — **Bar-racuda** with 700 m of light at 1390 lm. There is a possibility of attaching a remote switch. Its enlarged variant is **Grizzly** with 2700 lm of light.

Flashlights on 4x18650 batteries with a built-in charger and a battery balancer are shorter and thicker. Compact **Ranger** — 2700 lm and Dragon with three reflectors and 4200 lm of light. They are comfortable to carry and have a socket for a tripod. Side switch operation.

### Headlamps

**Wizard Pro** and **Wizard** are the most comfortable headlamps with 1010 lm of light on 1x18650 battery.

**Tiara A1 Pro** and **Tiara A1** are the brightest flashlights on a very popular AA power source ("finger").

**Tiara C1 Pro** and **Tiara C1** are the most compact ones on a powerful lithium CR123A battery and that's why extremely bright.

*What are the main differences of Pro version from Basic version — tailcap with a removable magnet and a lanyard ring, advanced mode operation, color temperature indication.*

Fully aluminum and water-resistant body, a reliable headband, TIR-optics with comfortable wide light, which doesn't cause an irritating effect of "tunnel vision".

## EDC and Pocket flashlights

All flashlights for such tasks are supplied with a removable clip, a holster on a belt, a robust lanyard on a hand.

If someone prefers to operate the flashlight with a tail tactical switch, he will choose reliable flashlights with TIR-optics, which doesn't cause an irritating effect of "tunnel vision" — 4 **Partner** models on different power sources: 1xAA, 2xAA, 1xCR123A, 1x18650. You decide either you want to get availability of AA battery or better brightness on lithium 18650 / CR123A battery.

The brightest flashlights with TIR-optics are specially created for lovers of side switch operation — **Prime Pro** and **Prime**. Similarly, they have 4 modifications on different power sources.

*What are the main differences of Pro version from Basic version — tailcap with removable magnet and a lanyard ring, advanced mode operation, color temperature indication.*

## Flashlights for fishing and Flashlights for hiking and camping

Firstly, headlamps described above will extremely fit such application spheres. With them you always have your "hands free".

Secondly, comfortable holsters included in a set permit you to have a flashlight close at hand at the right moment.

Thirdly, tactical flashlights with 50 m of water-resistance and 300–400 m of light are a unique opportunity to illuminate another side of a lake or search crawfish.

## Key flashlights

Extremely light and compact, with simple operation, a reliable mount on keys and comfortable lower beam. Undoubtedly, a steel body is more resistant to abrasion than aluminum, but it's heavier. A titanium matted body is also light and durable.

There are three variants of **Talisman** key flashlights on different power sources — AA, AAA, CR123A. *(They aren't presented in the catalog.)*

## Bicycle lights

You need special flashlights for bicycle mounting, which occupy little space on a handle bar and have a remote power source on a frame with a built-in charger. Comfortable one-hand operation, a reliable mount and water-resistance will perfectly supplement the flashlight specially designed for active ride.

Gallant with 1400 lm and Forsage with 4100 lm of light meet all these characteristics. *(They aren't presented in the catalog.)*

## Underwater flashlights

Complete water-resistance up to 100 m, a penetrating ability of beam with warm light, nearly 4 hours of constant light, comfortable mode switching under the water, protection from dirt.

**Murena** with 2700 lm and **Poseidon** with 4200 lm of light perfectly suit. *(They aren't presented in the catalog.)*



# HEADLAMPS



## The most powerful headlamps

### Wizard Pro



Cree XM-L2

1010 LED lumens  
70 meters  
1x18650 Li-Ion /  
2xCR123A



Length: 103 mm / Weight: 56 g  
Head Ø: 33 mm / Body Ø: 21 mm

Titanium-coating colors:

Silver Black Gold

- Extremely powerful light 1010 lumens with constant brightness during the whole operation time
- Effective TIR-optics, which provides wide light for close application and for distances up to 70 meters and no effect of "tunnel vision"
- Reliable and comfortable headband for convenient continuous usage even while you're running
- Compact and light-weight flashlight without loss in reliability and durability — easily stands up fallings, impacts and vibrations
- Record runtimes — up to 100 days — and multi-color battery indication for well-timed battery change
- Side switch for simple one-hand operation and quick access to the main modes
- Complete correspondence to the highest standards of water resistance — the headlamp is submersible to 10 meters

### Wizard



Cree XM-L2

1010 LED lumens  
70 meters  
1x18650 Li-Ion /  
2xCR123A



Length: 103 mm / Weight: 56 g  
Head Ø: 33 mm / Body Ø: 21 mm

Titanium-coating colors:

Silver

- Bright and wide light without sharp edges for comfortable illumination at the distance up to 70 meters
- Easy operation and 4 comfortable modes of light output
- Comfortable headband for reliable fixation and continuous application even while you're running
- Effective TIR-optics, which provides wide light for close application without effect of "tunnel vision"
- Small weight and compact size without changes in reliability and durability — it won't let you down in any conditions
- Side switch guarantee comfortable one-hand operation and gives multi-color LED indication of battery voltage
- Maximal results of runtimes — up to 100 days at Firefly mode 0.1 lumens with one battery
- The highest standard of dust- and water resistance: the flashlight is totally protected from water, dust and dirt penetration

All the flashlights are also available customized with Warm LEDs. The light outputs of Warm LED flashlights are 7% lower.

# HEADLAMPS

*Headlamps powered by the most popular batteries*

## Tiara A1 Pro



Cree XM-L2  
550 LED lumens  
40 meters  
1xAA /  
1x14500 Li-Ion

Length: 84 mm / Weight: 52 g  
Head Ø: 32 mm / Body Ø: 21 mm

Titanium-coating colors:  
Silver Black Gold

- Incredible brightness 550 lumens for the flashlights of such size on one AA battery
- TIR-optics with light angle 70°:120° for wide beam and no effect of "tunnel vision"
- Durable and reliable headband with one strap for comfortable application
- Small weight and compact size for absolute comfort during long-term carrying
- Constant light brightness in all modes during the whole operation time
- Side switch guarantee comfortable one-hand operation and gives multi-color LED indication of battery voltage
- Additional tailcap with magnet and removable clip for better functionality

## Tiara A1



Cree XM-L2  
550 LED lumens  
40 meters  
1xAA /  
1x14500 Li-Ion

Length: 84 mm / Weight: 52 g  
Head Ø: 32 mm / Body Ø: 21 mm

Titanium-coating colors:  
Silver

- Impressively powerful headlamp with 550 lumens brightness running only on one AA battery
- TIR-optics provides wide light for efficient area illumination
- Reliable headband made of soft and flexible materials for comfortable fixation of the flashlight on the head
- Easy operation and 4 comfortable modes of light output with multi-color LED indication of battery voltage
- Small and light, but at the same time durable and multi-functional headlamp
- Prolonged runtimes — up to 100 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

All the flashlights are also available customized with Warm LEDs. The light outputs of Warm LED flashlights are 7% lower.

## The most compact-sized headlamps

### Tiara C1 Pro



Cree XM-L2  
550 LED lumens  
40 meters  
1xCR123A /  
1xR123 Li-Ion



Length: 69 mm / Weight: 47 g  
Head Ø: 32 mm / Body Ø: 21 mm

Titanium-coating colors:  
Silver Black Gold

- Incredible brightness 550 lumens for the flashlights of such size on one CR123A battery
- TIR-optics with light angle 70°:120° for wide beam without an effect of "tunnel vision"
- Durable and reliable headband with two straps for comfortable application
- Small weight and compact size for absolute comfort during long-term carrying
- Constant light brightness in all modes during the whole operation time
- Side switch on the side of the head for easy one-hand operation with multi-color LED indication of battery voltage
- Additional tailcap with magnet and removable clip for better functionality

### Tiara C1



Cree XM-L2  
550 LED lumens  
40 meters  
1xCR123A /  
1xR123 Li-Ion

Length: 69 mm / Weight: 47 g  
Head Ø: 32 mm / Body Ø: 21 mm

Titanium-coating colors:  
Silver

- Impressively powerful headlamp with 550 lumens brightness running only on one CR123A battery
- TIR-optics provides wide light for efficient area illumination
- Easy operation and 4 comfortable modes of light output with multi-color LED indication of battery voltage
- 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 headlamp
- Prolonged runtimes — up to 15 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

All the flashlights are also available customized with Warm LEDs. The light outputs of Warm LED flashlights are 7% lower.



## **Armytek Optoelectronics Inc.**

67 Vandervoort Dr, Richmond Hill,  
Ontario, L4E 0C7, Canada  
Phone: +1 (218) 461-4672  
E-mail: [info@armytek.com](mailto:info@armytek.com)  
[www.armytek.com](http://www.armytek.com)