

ARMYTEK PREDATOR PRO Tactical Flashlight



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ARMYTEK PREDATOR PRO Tactical Flashlight



Product Information

Specifications

- **Model:** Predator Pro (white light), Predator Pro (warm light)
- **Optics:** Smooth reflector
- **Brightness Stabilization Type:** FULL (constant light)

FAQ

- **How do I switch between operation types?**
 - To switch between types of operation, unscrew and tighten up the head of the flashlight at least 10 times. The flashlight blinks once, confirming the action.
- **What do I do if I want to use the flashlight in Turbo mode?**
 - Tighten the head of the flashlight before switching it on in Turbo mode. For additional modes, unscrew the head to 1/8 if it is tightened.

Specifications

- Distinct hotspot and minimal spill for directed aim illumination
- Pro Powerful electronics provides constant brightness even at a temperature of -40 °C and not fully charged battery
- Special precisely calculated reflector for High Intensity LED modification, which provides 1.5 times the light range compared to a usual LED, and tempered glass with anti-reflective coating for maximum throw create clear central spot with minimal side spill at 1500 lumens brightness. Hotspot diameter is 9 meters at 100 meters distance
- Withstands any recoil due to improved springs and installation of the driver inside a reinforced capsule filled with protective compound
- Standard 1 inch body is compatible with tactical accessories, including original magnetic remote switch and magnetic mount for quick one-motion attachment and removal
- Two-phase electronic button retained two levels of pressing similar to mechanical switch, but became noiseless and 20 times more durable
- Non-flat button allows easy switching on of the flashlight with a palm
- Innovative technology allows using any standard 18650 Li-Ion battery with 10A discharge current. Full protection against short circuit even in case of contact between magnetic connector and metal objects
- Solid body made from aircraft-grade aluminium, special matt anti-abrasive finish without rough knurling
- Steel striking bezel with matt non-reflective black titanium coating, which prevents location disclosure, is used for additional protection of the optical system in the event of a fall and as a shock-crushing tool
- Active real-time temperature control to prevent overheating above +58 °C and warning indication of low battery level
- Total protection from water, dirt and dust in accordance with IP68 standard — flashlight continues to work even after submersion at 25 meters depth. Withstands fallings from the 10th floor
- Size-adjustable wrist lanyard, injury-safe ergonomic silicone grip, heavy-duty nylon holster and steel clip for even more convenient use
- Robust and water resistant magnetic connector

Model		Predator Pro (white light)	Predator Pro (warm light)
Optics		Smooth reflector	
Brightness stabilization type		FULL (constant light)	
Light output		1500 lm	1400 lm
Peak beam intensity		62800 cd	60920 cd
Hotspot : Spill		5°:40°	
Beam distance		501 m	494 m
Modes, light output and runtimes (measured with 18650 LI-Ion 3500 mAh battery until the light output drops to 10% of the initial value)	Turbo	1500 lm/1 h 33 min (700 lm after 3 min)	1400 lm/1 h 33 min (650 lm after 3 min)
	Main3	300 lm/5 h 13 min	280 lm/5 h 13 min
	Main2	120 lm/12 h 20 min	112 lm/12 h 20 min
	Main1	40 lm/32 h	37 lm/32 h
	Strobe2	1500 lm/15 Hz/3 h (700 lm after 3 min)	1400 lm/15 Hz/3 h (650 lm after 3 min)
	Strobe1	120 lm/15 Hz/23 h	112 lm/15 Hz/23 h
Power source		1x18650 Li-Ion	
Time of charging (18650 LI-Ion 3500 mAh battery)		3 h 40 min	
Length/Body diameter/Head diameter		160 mm/25.4 mm/41 mm	
Weight without/with battery		136 g/186 g	
Ingress protection, Submersion and Impact resistance		IP68. Depth up to 25 m for 5 h. Height up to 25 m	

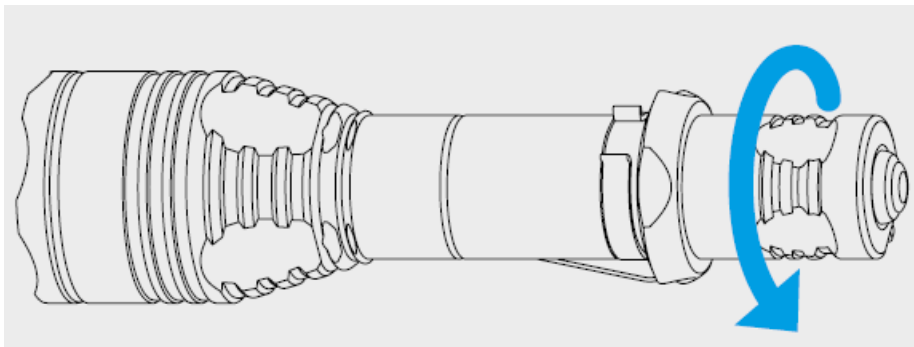
All the above specifications are test results based on ANSI/PLATO FL 1-2019 Standard. The data may vary due to environment, heat dissipation and other factors.

Set Description

- Flashlight, 18650 Li-Ion 3500 mAh battery, magnetic USB charger, clip, lanyard, nylon holster, silicone grip, 2 spare O-rings, user manual.
- The producer reserves the right to change the package at his own discretion without modifying this manual. Specifications are subject to change without notice.

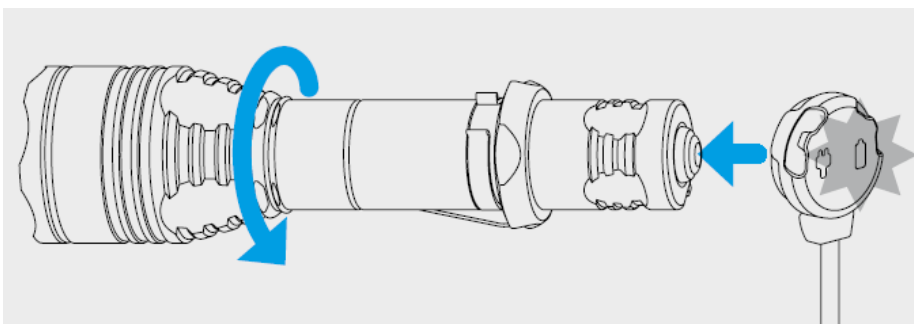
Initial Service

TO SET/REPLACE BATTERY



1. Unscrew the tailcap.
2. Place the battery 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.

HOW TO CONNECT THE MAGNETIC CHARGER



- Tighten the head of the flashlight as far as it can go and adjust the magnetic charger to the tailcap.

CHARGER COLOR INDICATION

Charger not plugged in:

- Green — device is in waiting mode.

Charger plugged in:

- Green blinking — evaluation of battery voltage.

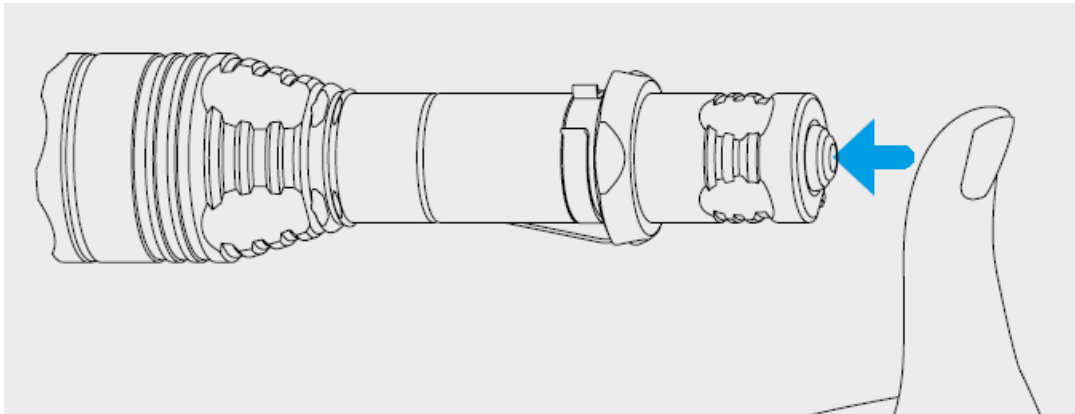
- Red blinking — clean the external and internal contacts of the tailcap, as well as the contact areas of the charger.
- Orange blinking — USB power source voltage is too low for correct continuation of charging or bad contact between charger and battery. Clean the tailcap and the threads of the flashlight parts, use a different power source.
- Red — charging with rated charging current is going on.
- Orange — USB power source voltage is too low, charging current is reduced.
- Green — charging is finished.

Operation

Before use

- Tighten the tailcap as far as it can go.

IN ANY MODE



- Permanent on. First full click of the button turns the flashlight on. Second full click turns it off.
- Momentary on. Switched on by half-pressing of the button (no click) and active till the button is released.
- To switch between types of operation unscrew and tighten up the head of the flashlight at least 10 times (during rotation the modes will be changing). The pause between the moves must be less than 1 sec. The flashlight blinks once, confirming the action.

HUNTING TYPE (BY DEFAULT)

- Turbo. Before switching on the flashlight in Turbo mode, tighten the head of the flashlight if it is unscrewed.
- Additional modes. Before switching on the flashlight in Additional mode, unscrew the head to 1/8 if it is tightened. Full click switches on the last used Additional mode.
- Cycling through Additional modes. To change the mode turn the flashlight off and on (by full click or half-pressing). The flashlight must not be turned off for more than 2 sec. The modes switch cyclically: Main1 – Main2 – Main3 – Strobe2 (if enabled).
- Add/Remove Strobe2 in Additional modes. Switch on the flashlight by half-pressing at least 20 times. The flashlight must not be turned on for more than 1 sec. Last switch must be full click. The flashlight blinks once, confirming the action.

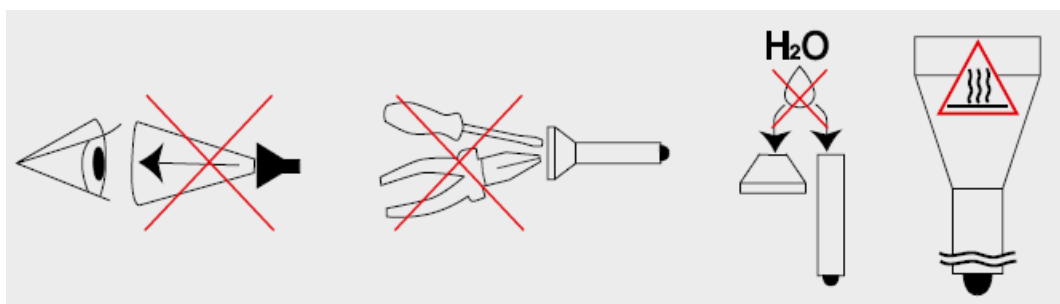
- Remote switch must be used in Turbo mode.

TACTICAL TYPE

- Constant light. Before switching on the flashlight in Constant light mode, tighten the head if it is unscrewed.
- Changing Constant light modes. The head is tightened: unscrew it to 1/8 and tighten again in 1 sec. Turbo and Main2 will switch cyclically.
- Strobe. Before switching on the flashlight in Strobe mode, unscrew the head to 1/8 if it is tightened.
- Changing Strobe modes. The head is unscrewed: tighten it and unscrew to 1/8 again in 1 sec. Strobe1 and Strobe2 will switch cyclically.
- Remote switch can be used in ANY mode.
- Automemorizing. After switching off the last used mode is memorized for quick access at next switching on.
- Lock-out function. Unscrew the tailcap to 1/4 for protection from accidental switching on.
- Safe high brightness modes. Turbo modes give maximum brightness until the temperature of the flashlight and discharge current of the battery exceed critical values.
- Safe Soft-Start System allows increasing runtimes, getting longer battery life and protecting the battery from overdischarge or overheating.
- Active real-time temperature control. When the temperature becomes close to +58 °C, the brightness decreases, which allows avoiding flashlight and battery overheating, as well as LED degradation. Under good cooling conditions, the flashlight delivers light without stepping down.
- Low battery level. When the battery voltage drops, the brightness will begin to decrease in steps to ensure the safety of the battery and the user. When the brightness of the mode drops below approximately 25% from the nominal value, the main LED flashes 2 times. If you are not sure whether it flashed or not, turn the flashlight off and on: if the battery is low, the flashes will repeat 30 seconds after switching on.

Warnings

- For effective operation of the flashlight in Turbo and Strobe2 modes, the use of branded 18650 Li-Ion batteries without PCB (unprotected) or with PCB which guarantees 10A discharge current is required.
- The flashlight can get hot in Turbo and Strobe2 modes quickly and discharge the battery with high current. Don't leave it without your attention as very bright light might heat objects and cause fire.
- For storage or transportation of the flashlight in a pocket or a bag it is necessary to activate the lock-out function to ensure protection from accidental switching on.
- It is forbidden to charge the battery inside the flashlight when the ambient temperature is below 0 °C.



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 modify or recast the flashlight and its components as it will deprive you of the warranty.
5. Do not allow water or any other liquid to leak into the flashlight.
6. Do not aim a switched-on flashlight at people's or animals' eyes — it can cause temporary blindness.
7. Do not allow children to use the flashlight without your assistance.

The producer will 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 once or twice per year. Remember that reliable protection from water and dust cannot be provided by worn-out sealing. The fouling as well as lack of grease cause fast wear-out of the threads and sealing rings.

To clean the threads do the following:

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

After cleaning, grease the threads and the sealing rings that have been installed in place with polyalphaolefin-based silica grease, e.g. Nyogel 760G. The application of other types of grease is unacceptable. In case of active operation and exploitation in dusty environments, it is recommended to clean and grease the parts as often as the necessity arises.

WE DO NOT RECOMMEND leaving power supplies (especially non-rechargeable) inside the flashlight for a long storage period, as they 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, previously install new and high-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 defects, withdraw the batteries from the flashlight and dispose of them.

Warranty And Service

Armytek provides free warranty repairs for 10 years (excluding batteries, chargers, mounts, holders, switches and connectors, which have 2-year warranty) from the date of purchase if there is a document confirming the purchase. The warranty does not apply to magnets, silicone covers of connectors and buttons, silicone installation rings and holders, clips, silicone grips, holsters, lanyards, O-rings and pads, Velcro tapes. The warranty also does not extend to damage during:

1. Improper usage.
2. Attempts to modify or repair the flashlight by nonqualified specialists.
3. Application in chlorinated, contaminated liquids or sea water.
4. Immersion into liquids in case of broken leakproofness.
5. Exposure to high temperatures and chemicals, including the liquids from defected batteries.

6. Usage of low-quality batteries.

CONTACT

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Documents / Resources

	<p>ARMYTEK PREDATOR PRO Tactical Flashlight [pdf] User Manual PREDATOR PRO Tactical Flashlight, PREDATOR PRO, Tactical Flashlight, Flashlight</p>
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References

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