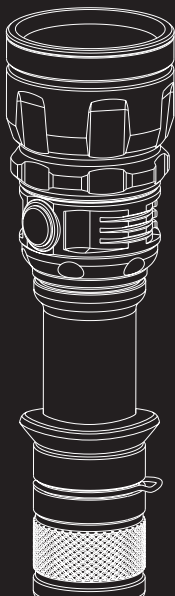




TORNADO 750 LUMEN
LAW ENFORCEMENT LED FLASHLIGHT

FL-D38P

USER MANUAL



VULTA™

Thank you for choosing Vulta.

The Vulta Tornado FL-D38P projects a crisp, white light with a long-range beam. The Tornado FL-D38P incorporates the CREE XM-L2, a breakthrough LED market-leader, which combines high efficiency with high drive-current. The LED is housed in an ultraclear, tempered glass lens that optimizes resistance to impacts and scratches and maximizes throw distance.

Crafted from MIL-SPEC Type III hard anodized aluminum alloy with a stainless-steel bezel, and with a waterproof rating of IPX-8, this flashlight is a rugged tool that will withstand harsh environments. There is also an adjustable tactical ring for advanced grip and law-enforcement flashlight techniques.

Ideal for law enforcement applications but also great for general use, this durable flashlight features a dual-button system with a tailcap button that engages temporary-on and constant-on modes. A side-switch button enters standby mode, adjusts output, and engages strobe and SOS modes for emergency situations.

The Tornado FL-D38P can be fitted with the Vulta FA-P1 Tail Cap and Pressure Switch (not included). This tactical accessory incorporates a tailcap switch with a remote-control pressure-pad for temporary-on functionality.

PRECAUTIONS ⚠️⚡

- Please read and follow these instructions and keep this manual in a safe place.
- This flashlight is extremely bright and can cause temporary or even permanent blindness. Do not shine the flashlight in the eyes of any person or animal. When powering on the flashlight, make sure to point it down or away from you and anyone else.
- The surface of this product can become hot after prolonged use. Be careful when touching it and make sure to keep it away from anything flammable or combustible.
- Do not stand the flashlight upright on its lamp head when powered on. In this position, the lamp head can become dangerously hot and damage the flashlight and anything nearby.
- Never leave the flashlight unattended when it is powered on.
- Before long-term storage, remove the batteries and store them in a cool and dry place to avoid leakage.
- Always install batteries of the same type, brand, and age. Do not combine different types or brands, or old and new batteries.

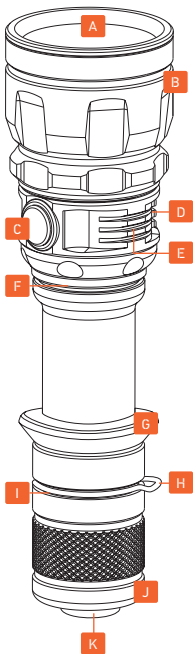
- Install the batteries in the proper orientation as indicated by the instructions in this manual.
- This product is waterproofed for freshwater only. If it comes into contact with salt water, immediately dry the flashlight and remove the batteries, reassemble, and rinse with freshwater. Dry thoroughly and install new batteries.
- Do not attempt to disassemble or repair this product. It is dangerous and will also void the warranty.
- Keep this product away from children. Do not leave children unattended near this product.
- Use only parts provided by the manufacturer.
- Make sure that this product is intact and that there are no missing parts.
- To avoid damage to this product, be careful not to overtighten or improperly thread any of the threaded fittings.
- All photos are for illustrative purposes only.

PRODUCT DIAGRAM

- A** LED
- B** LAMP HEAD
- C** SIDE BUTTON
- D** LOW-VOLTAGE WARNING LED
- E** HEAT SINK AREA
- F** O-RING
- G** TACTICAL RING
- H** LANYARD RING
- I** O-RING
- J** TAILCAP
- K** TAILCAP / TACTICAL BUTTON

Also Included:

- HOLSTER
- LANYARD
- SPARE O-RING
- USER MANUAL
- TWO-YEAR LIMITED WARRANTY



06

VULTA TORNADO

A Note about Maximum Output

When the flashlight is in High mode, the battery discharge, drive circuit, and LED will all be producing heat, and the lamp head may become extremely hot. Please be cautious when touching it.

INSTALLING BATTERIES

The Tornado FL-D38P can be powered by two CR123/RCR123 (3 or 3.7 V) batteries or a single 18650 (3.7 V) battery. When using an 18650 battery, 2600 mAh capacity with overcharge protection is recommended.

To install a battery, follow these steps:

1. Unscrew and remove the tailcap from the flashlight.
2. Insert the battery or batteries with the positive terminal(s) facing the lamp head.
3. Screw the tailcap back onto the flashlight until secure.

OPERATION

The Tornado FL-D38P employs a dual-button system with unique circuitry to power on the flashlight and engage the different modes.

POWERING ON THE TORNADO FL-D38P

Temporary On: To engage Turbo mode, press and hold the tailcap button halfway. The flashlight will remain on until you release the tailcap button. This mode is ideal for temporary maximum brightness.

Constant On: To turn on the FL-D38P, press the tailcap button all the way until it clicks. Upon powering on, the flashlight will enter Turbo mode.

The Side Button: After powering on the flashlight via the tailcap button (constant on), you can use the side button as a standby power button. Press the side button to enter standby mode, and press it again to turn on the light.

When you set the constant-on mode (high/med/low) and then use the side button to enter standby mode, the next time you power on the flashlight via the side button, it will automatically enter the previous constant-on mode.

Note: Using the tailcap button to power off the flashlight will clear the constant-on setting, and the flashlight will automatically enter Turbo mode the next time you power it on. Turbo mode is not accessible via the side button.



Low-Voltage Warning LED: The low-voltage warning LED indicates when your batteries are running low on power. When the warning LED glows red, battery power is low and we recommend installing new batteries. If there are no batteries available, you can switch to a lower-output mode as a temporary measure. As battery power continues to drop, the warning LED will dim further and start to blink. At this point, you will need to change your batteries.

Tip: Make sure to carry spare batteries with you.

SETTING THE MODE

Turbo/High/Medium/Low: In addition to Turbo mode, there are three constant-on modes: High, Medium, and Low. Turbo is the brightest output. When the flashlight is on—either in constant or temporary mode—press and hold the side button to cycle through High, Medium, and Low modes.

Strobe and SOS: Strobe mode continuously emits quick flashes of bright light. In SOS mode, the flashlight blinks brightly in the international Morse code distress signal pattern (· · · — — — · · ·). To enter Strobe mode, start with the flashlight powered on and quickly press the side button twice. To enter SOS mode, quickly press the side button twice again.

THE TACTICAL RING

The tactical ring provides an enhanced grip over a smooth metal surface and also helps when holding the flashlight with cold or wet hands or when wearing gloves. The tactical ring can be used for specific law-enforcement applications, such as the syringe-style flashlight technique. The ring can be adjusted along the main body of the flashlight to fit your specific grip.

The FL-D38P comes with the tactical ring and the lanyard ring installed on the flashlight. If desired, you can remove the lanyard ring by unscrewing the tailcap.

Important! When removing the lanyard ring, make sure not to remove the rubber O-ring from the threaded fitting.

O-RING MAINTENANCE

The Tornado FL-D38P's O-rings are installed on the threaded fittings to help seal out water. The O-rings are prelubricated to extend their lifetime, ensure smooth operation, and increase water resistance. If one of the O-rings dries out or there is little or no lubricant on it, we recommend applying a small amount of O-ring lubricant to it.

The FL-D38P comes with a replacement O-ring. If one of the originals wears out after long-term use, replace it with the included spare.

THE LANYARD

You can attach and wear the included lanyard to help prevent accidental drops and to free up a pocket. To attach the lanyard, clip it onto the lanyard ring.

SPECIFICATIONS

OUTPUT	Turbo, Strobe, SOS: 750 lm High: 542 lm Medium: 104 lm Low: 19 lm
BEAM INTENSITY	22,052 cd
LED TYPE	CREE XM-L2
POWER SOURCE	Two CR123/RCR123 (3 or 3.7 V) or one 18650 (3.7 V) battery
RUNTIME	Turbo: 1.15 hr. High: 2.5 hr. Medium: 11 hr. Low: 82 hr.
CONSTRUCTION	Body: MIL-SPEC Type III hard anodized aerospace-grade aluminum alloy Bezel: Stainless steel Lens: Tempered glass
IMPACT RESISTANCE	Up to 6.5' (2 m)
WATERPROOFING	IPX-8 standard, up to 6.5' (2m) submersion
EFFECTIVE RANGE	974' (297 m)
DIMENSIONS	Length: 5.5" (14 cm) Head Diameter: 1.5" (3.8 cm) Tail Diameter: 1" (2.5 cm)
WEIGHT	Without batteries: 4.3 oz. (124 g) With batteries: 6.3 oz. (177 g)

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TWO-YEAR LIMITED WARRANTY

This VULTA product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of two (2) years from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Vulta Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Vulta along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.vultagear.com or call Customer Service at 212-594-2353.



Product warranty provided by the Gradus Group.
www.gradusgroup.com

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