**Fenix FEN-TK22TAC-BBX5**

# Fenix TK22TAC Tactical Flashlight User Manual

Model: FEN-TK22TAC-BBX5 | Brand: Fenix

## 1. INTRODUCTION

The Fenix TK22TAC is a high-performance tactical flashlight designed for demanding environments. Featuring a maximum output of 2800 lumens and a Luminus SFT70 LED, it offers both Tactical and Duty modes to suit various operational needs. Its robust construction, including an A6061-T6 aluminum body and IP68 waterproof rating, ensures durability and reliability. This manual provides detailed instructions for the proper setup, operation, and maintenance of your Fenix TK22TAC flashlight.



Figure 1: The Fenix TK22TAC flashlight and included accessories.

## 2. Package Contents

Upon opening your Fenix TK22TAC package, please verify that all the following items are included:

- Fenix TK22 TAC flashlight
- Fenix ARB-L21-5000U USB Type-C rechargeable battery
- USB Type-C charging cable
- Holster
- Lanyard
- Spare O-ring
- User manual
- Warranty card
- EdisonBright BBX5 battery carrying case



Figure 2: All items included in the Fenix TK22TAC product package.

## 3. Specifications

The Fenix TK22TAC flashlight boasts impressive specifications for tactical and duty applications:
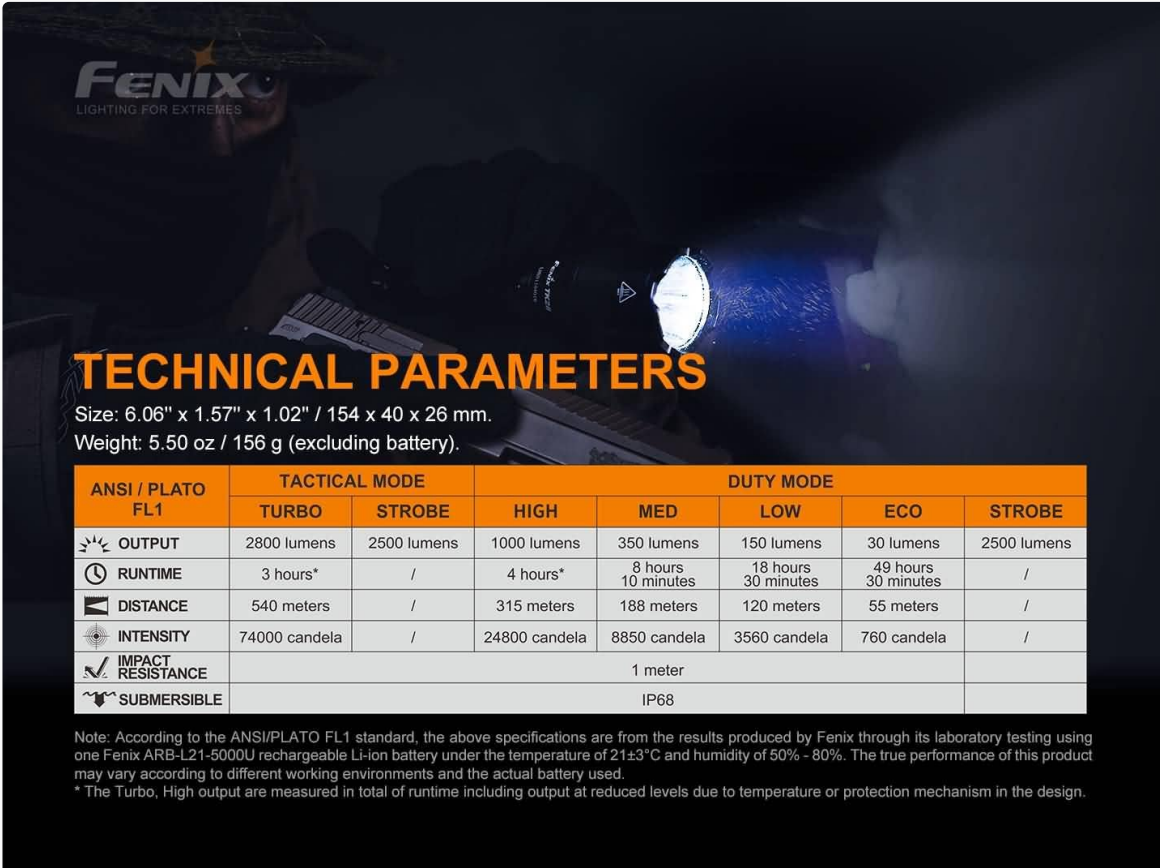
- **Maximum Output:** 2800 lumens
- **LED:** Luminus SFT70 LED with a lifespan of 50,000 hours
- **Body Material:** Tough A6061-T6 aluminum
- **Water Resistance:** IP68 rated (Fully submersible to 6.5 feet for up to 4 hours)
- **Drop Resistance:** 1.5-meter drop test on 6 sides
- **Battery:** Fenix ARB-L21-5000U USB Type-C rechargeable battery (included)

- **Dimensions:** Length: 6.06 inches, Head Diameter: 1.57 inches, Body Diameter: 1.02 inches
- **Weight:** 5.5 oz (excluding battery)

## Output Modes and Runtimes:

| Mode | Output (Lumens) | Runtime (Hours) | Distance (Feet) |
|---|---|---|---|
| **Tactical Mode** | | | |
| Turbo | 2800 | 3 (cumulative) | 1772 |
| **Duty Mode** | | | |
| High | 1000 | 4 (cumulative) | 1034 |
| Med | 350 | 8.10 | 617 |
| Low | 150 | 18.5 | 394 |
| Eco | 30 | 49.5 | 180 |

*Note: Turbo output is only available in Tactical Mode. Cumulative runtime includes output at reduced levels due to temperature or protection mechanisms.*



**TECHNICAL PARAMETERS**

Size: 6.06" x 1.57" x 1.02" / 154 x 40 x 26 mm.
Weight: 5.50 oz / 156 g (excluding battery).

| ANSI / PLATO FL1 | TACTICAL MODE | | DUTY MODE | | | | |
|---|---|---|---|---|---|---|---|
| | **TURBO** | **STROBE** | **HIGH** | **MED** | **LOW** | **ECO** | **STROBE** |
| OUTPUT | 2800 lumens | 2500 lumens | 1000 lumens | 350 lumens | 150 lumens | 30 lumens | 2500 lumens |
| RUNTIME | 3 hours* | / | 4 hours* | 8 hours 10 minutes | 18 hours 30 minutes | 49 hours 30 minutes | / |
| DISTANCE | 540 meters | / | 315 meters | 188 meters | 120 meters | 55 meters | / |
| INTENSITY | 74000 candela | / | 24800 candela | 8850 candela | 3560 candela | 760 candela | / |
| IMPACT RESISTANCE | 1 meter | | | | | | |
| SUBMERSIBLE | IP68 | | | | | | |

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L21-5000U rechargeable Li-ion battery under the temperature of 21±3°C and humidity of 50% - 80%. The true performance of this product may vary according to different working environments and the actual battery used.
* The Turbo, High output are measured in total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

Figure 3: Technical parameters and performance data.

## 4. SETUP

### 4.1 Battery Installation

1. Unscrew the tail cap of the flashlight.
2. Insert the Fenix ARB-L21-5000U USB Type-C rechargeable battery with the positive (+) end facing

towards the head of the flashlight.

3. Screw the tail cap back on tightly to ensure proper contact and water resistance.

## 4.2 Charging the Battery

The included ARB-L21-5000U battery features a built-in USB Type-C charging port, eliminating the need for an external charger.

1. Locate the USB Type-C port on the battery.
2. Connect the provided USB Type-C charging cable to the battery's port.
3. Connect the other end of the cable to a USB power source (e.g., computer, wall adapter, power bank).
4. The battery's indicator light will show charging status (refer to battery instructions for specific indicator behavior).
5. Once fully charged, disconnect the cable.



Figure 4: The Fenix ARB-L21-5000U battery with its integrated USB-C charging port.

## 5. Operating Instructions

### 5.1 Power On/Off

- **To Turn On:** Fully press the tactical tail switch.
- **To Turn Off:** Fully press the tactical tail switch again.

### 5.2 Mode Selection (Tactical vs. Duty)

The Fenix TK22TAC features a mechanical selection switch on the tail cap to toggle between Tactical Mode and Duty Mode.

- Rotate the mechanical selection switch clockwise or counter-clockwise to select your desired mode.

- **Tactical Mode:** Offers instant Turbo and Strobe outputs.
- **Duty Mode:** Provides access to multiple brightness levels (High, Med, Low, Eco) and Strobe.



Figure 5: The mechanical selection switch allows for quick mode changes.

### 5.3 Output Selection

Once the flashlight is on, use the functional side switch to cycle through brightness levels or activate strobe.

- **In Tactical Mode:**

  - Half-press the tactical tail switch for momentary Turbo. Fully press for constant Turbo.
  - Press and hold the functional side switch for instant Strobe.

- **In Duty Mode:**

  - Single-click the functional side switch to cycle through Eco → Low → Med → High.
  - Press and hold the functional side switch for instant Strobe.

### 5.4 Tactical Lockout

To prevent accidental activation, the Fenix TK22TAC features a tactical lockout function. This is typically achieved by slightly unscrewing the tail cap or by a specific button combination (refer to the included user manual for exact steps if not immediately apparent).

Figure 6: The powerful beam of the Fenix TK22TAC in action.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Fenix TK22TAC flashlight:

- **Cleaning:** Regularly clean the threads and O-rings with a clean cloth.
- **Lubrication:** Apply a thin layer of silicone-based lubricant to the O-rings periodically to maintain water resistance.
- **Battery Care:** Remove the battery if the flashlight will not be used for an extended period. Store the battery in a cool, dry place.
- **Avoid Disassembly:** Do not disassemble the sealed head of the flashlight, as this may damage the light and void the warranty.

## 7. TROUBLESHOOTING

If your Fenix TK22TAC flashlight is not functioning correctly, please try the following steps:

- **Light Not Turning On or Flickering:**
  - Check if the battery is inserted correctly with the positive (+) end facing the head.
  - Ensure the tail cap is screwed on tightly.
  - Verify the battery is charged. Try charging it fully.
  - Clean the contact points of the battery and flashlight with an alcohol swab.

- **Reduced Brightness or Short Runtime:**
  - The battery may be low. Recharge it fully.

- High output modes generate heat, which may trigger the intelligent overheat protection to reduce brightness. This is normal.

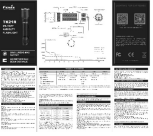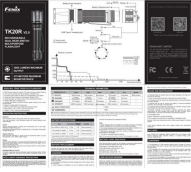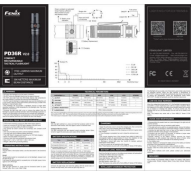- **Mode Switching Issues:**

  - Ensure the mechanical selection switch is fully engaged in either Tactical or Duty mode.
  - Check if the tactical lockout is active.

If the issue persists after trying these steps, please contact Fenix customer support or your retailer for further assistance.

## 8. WARRANTY AND SUPPORT

Your Fenix TK22TAC flashlight comes with a warranty card. Please refer to the warranty card for specific terms and conditions regarding coverage and duration. For technical support, warranty claims, or any product-related inquiries, please contact the manufacturer, Fenix, or the authorized seller, EdisonBright, through their official channels. Retain your proof of purchase for warranty validation.

## Related Documents

| | |
|---|---|
|  | **Fenix TK21R Military and Duty Flashlight: Powerful, Rechargeable LED Torch**<br>Explore the Fenix TK21R, a robust military and duty flashlight featuring 3600 lumens max output, 480m beam distance, USB Type-C charging, and advanced features for extreme lighting conditions. |
|  | **Fenix TK20R V2.0 Rechargeable Flashlight User Manual**<br>Comprehensive user manual for the Fenix TK20R V2.0 rechargeable dual rear-switch multipurpose flashlight, detailing its features, operation, technical specifications, and maintenance. |
|  | **Fenix BC26R Rechargeable Bicycle Light User Manual**<br>Comprehensive user manual for the Fenix BC26R, a high-performance rechargeable bicycle light featuring 1600 lumens, multiple modes, and a long-lasting 21700 battery. Includes operating instructions, specifications, battery information, and maintenance tips. |
|  | **Fenix PD36R V2.0 Compact Rechargeable Tactical Flashlight User Manual**<br>Comprehensive user manual for the Fenix PD36R V2.0 tactical flashlight, detailing its 1700-lumen output, 396-meter beam distance, USB-C charging, operating modes, technical specifications, and maintenance. |