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› TrustFire T80 Tactical LED Flashlight User Manual

TrustFire T80

TrustFire T80 Tactical LED Flashlight User Manual

Model: T80

1. INTRODUCTION

The TrustFire T80 is a high-performance tactical LED flashlight designed for various outdoor activities including hunting, search and rescue, and camping. It features a powerful LED, deep reflector, and dual-switch operation for versatile use.

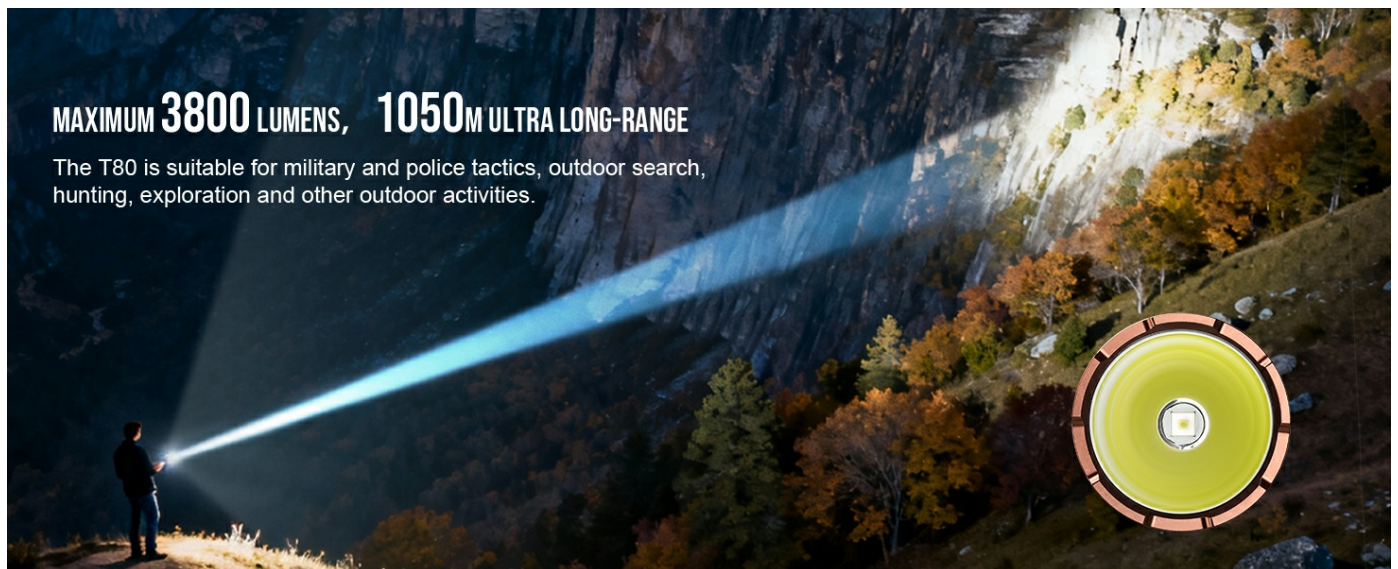


Image 1.1: The TrustFire T80 Tactical Flashlight, highlighting its maximum output of 3800 lumens and a beam distance of 1050 meters.

2. SAFETY INSTRUCTIONS

- Do not shine the flashlight directly into eyes. The high intensity light can cause temporary vision impairment or permanent damage.
- Keep out of reach of children.
- Do not disassemble the flashlight head, as this may damage the reflector or LED.
- Use only the recommended batteries. Incorrect battery types may cause damage or explosion.

- Avoid exposing the flashlight to extreme temperatures or direct sunlight for prolonged periods.
- If the flashlight becomes excessively hot during use, it may automatically reduce brightness to prevent damage. This is a normal safety feature.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- TrustFire T80 Tactical LED Flashlight
- Rechargeable Batteries (2x, non-standard type)
- USB-C Charging Cable
- User Manual
- Lanyard (if included in specific kit)
- Holster (if included in specific kit)

Package Content

- T80 Flashlight (Battery Pack Included)x 1
- USB-C Charging Cable x 1
- Sealing O-ring x 2
- User Manual x 1
- Lanyard x 1
- Box case x 1



Image 3.1: An illustration of the typical package contents for the TrustFire T80 flashlight, showing the flashlight, batteries, charging cable, and other accessories.

4. PRODUCT OVERVIEW

The TrustFire T80 features a robust design with a dual-switch system for intuitive control.

Key Components:

- **Head:** Contains the LED and reflector.
- **Body:** Houses the battery compartment.
- **Tail Switch:** Tactical switch for momentary or constant on/off.
- **Side Switch:** Functional switch for mode selection.
- **USB-C Charging Port:** For convenient battery charging.
- **Battery Indicator:** Displays current battery level.



Image 4.1: A full view of the TrustFire T80 flashlight, illustrating its overall design and proportions.

5. SETUP

5.1 Battery Installation

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert the two rechargeable batteries with the positive (+) terminal facing towards the head of the flashlight.
3. Screw the tail cap back on clockwise until it is securely tightened. Ensure the O-rings are properly seated to maintain water resistance.

5.2 Initial Charging

Before first use, fully charge the batteries. Refer to the "6. Charging" section for detailed instructions.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **To turn on:** Fully press the tail switch until it clicks.
- **To turn off:** Fully press the tail switch again until it clicks.
- **Momentary On:** Lightly press and hold the tail switch for momentary illumination. Release to turn off.

6.2 Mode Selection (Side Switch)

When the flashlight is on, press the side switch to cycle through the brightness modes:

Low → Medium → High → Maximum

The flashlight will remember the last used brightness mode (except for special modes) when turned off and on again.

6.3 Special Modes (Strobe/SOS)

- **Instant Strobe:** From any state (on or off), press and hold the side switch for approximately 2 seconds to activate Strobe mode. Release to return to the previous state or turn off.
- **SOS Mode:** From Strobe mode, press the side switch again to activate SOS mode. Press again to return to Strobe, or press and hold to turn off.

7. CHARGING

The TrustFire T80 features a convenient USB-C charging port. Ensure the flashlight is turned off before charging.

1. Locate the USB-C charging port on the flashlight body.
2. Connect the provided USB-C cable to the flashlight and the other end to a USB power source (e.g., wall adapter, power bank, computer USB port).
3. The battery indicator will show the charging status.

7.1 Battery Indicator

The battery indicator provides real-time feedback on the battery level:

- **Green Light:** Battery level is sufficient (e.g., 80-100%).
- **Yellow Light:** Battery level is moderate (e.g., 30-80%).
- **Red Light:** Battery level is low (e.g., 5-30%). Recharge soon.
- **Flashing Red Light:** Battery is critically low (below 5%). Recharge immediately.

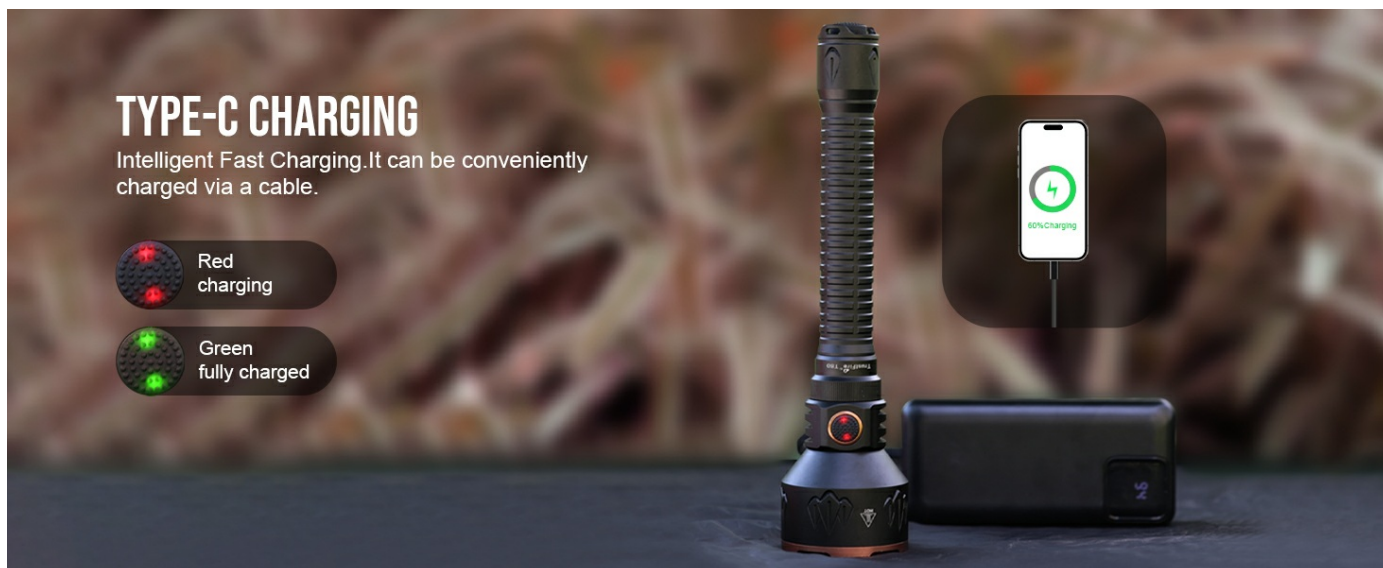


Image 7.1: The USB-C charging port on the TrustFire T80, showing the connection point for the charging cable.

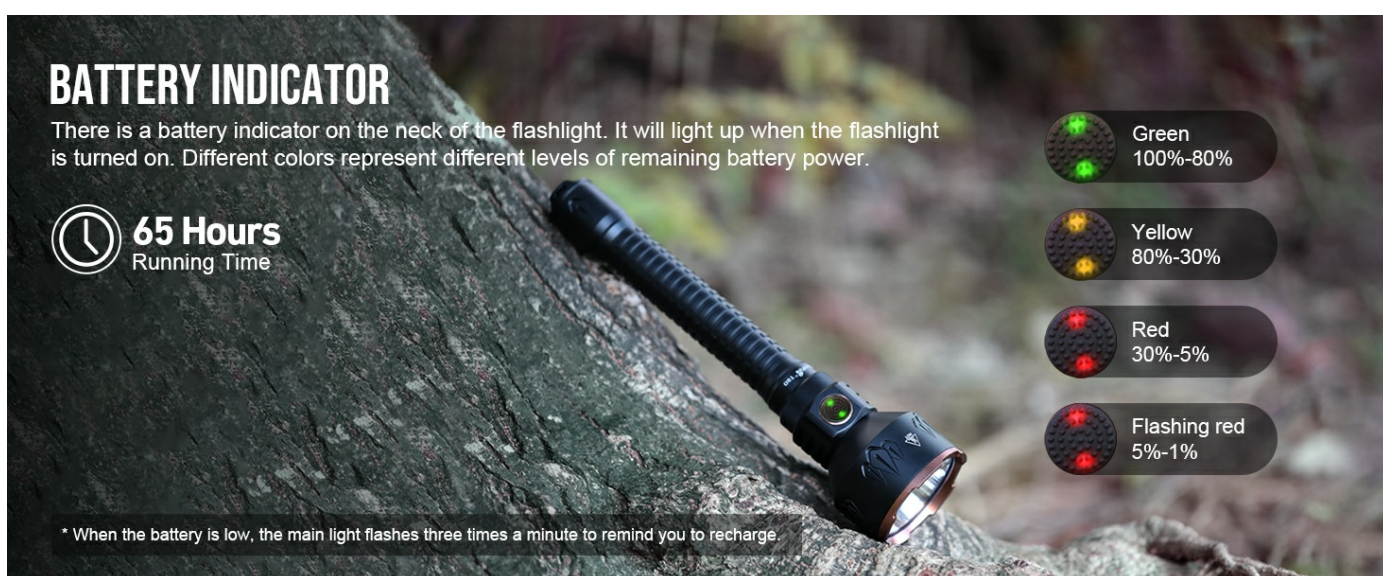


Image 7.2: Visual representation of the battery indicator lights on the TrustFire T80, illustrating different charge statuses.

8. MAINTENANCE

- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Threads and O-rings:** Periodically lubricate the threads and O-rings with silicone grease to maintain water resistance and smooth operation.
- **Battery Care:** If the flashlight will not be used for an extended period, remove the batteries to prevent leakage. Store batteries in a cool, dry place.
- **Water Resistance:** The T80 is IPX8 rated, meaning it is submersible up to 2 meters. Ensure all caps are tightly sealed before exposing to water.

IPX8 WATERPROOF AND DURABLE

It has the highest level of dustproof 6 and waterproof 8, and can be used normally under 2 meters of water. It is not afraid of wind and rain and can still be used normally in harsh environments.



Image 8.1: The TrustFire T80 flashlight undergoing water resistance testing, confirming its IPX8 rating for submersion.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	- Batteries are depleted. - Batteries are inserted incorrectly. - Tail cap is loose.	- Recharge batteries. - Ensure positive (+) terminals face the head. - Tighten the tail cap securely.
Light output is weak or flickers.	- Low battery level. - Poor contact between battery and flashlight.	- Recharge batteries. - Clean battery contacts and ensure proper insertion.
Flashlight gets hot quickly.	- Operating on Maximum mode for extended periods. - Environmental temperature is high.	This is normal. The flashlight has a built-in temperature sensor that automatically reduces brightness to prevent overheating. Switch to a lower mode.
Charging indicator does not light up.	- Charging cable or power source issue. - Flashlight not properly connected.	- Try a different USB-C cable or power source. - Ensure the cable is fully inserted into the port.

10. SPECIFICATIONS

Feature	Detail
Model Number	TF-T80-001-ES
Light Source	XN7070 LED

Feature	Detail
Maximum Brightness	3800 Lumens
Maximum Beam Distance	1050 meters
Modes	6 (Maximum, High, Medium, Low, Strobe, SOS)
Runtime (Low Mode)	Up to 65 hours
Power Source	2x Non-standard Lithium-Ion Rechargeable Batteries (Included)
Charging Port	USB Type-C
Material	Aeronautical Grade Aluminum Alloy
Water Resistance	IPX8 (Submersible up to 2 meters)
Impact Resistance	1 meter
Dimensions (L x W x H)	26.4 cm x 2.7 cm x 6.4 cm
Weight	465.3 grams (with batteries)
Special Features	Dual Switch, Battery Indicator, Temperature Sensor for Overheat Protection

Brightness and Runtime Details:

- **Maximum:** 3800 lumens / 170 minutes
- **High:** 850 lumens / 5 hours
- **Medium:** 220 lumens / 18 hours
- **Low:** 30 lumens / 65 hours

11. WARRANTY AND SUPPORT

Warranty Information:

TrustFire provides a 3-year after-sales service for this product. Please retain your proof of purchase for warranty claims.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact TrustFire customer support through the retailer where you purchased the product or visit the official TrustFire website for contact information. You can also visit the [TrustFire Store on Amazon](#) for more information and support resources.

