RovyVon S21

RovyVon S21 3000 Lumen Flashlight and E3 Plus Flashlight Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your RovyVon S21 3000 Lumen Flashlight and E3 Plus Flashlight. Please read this manual thoroughly before operation and retain it for future reference.

PRODUCT OVERVIEW

RovyVon S21 Flashlight

The RovyVon S21 is a high-performance flashlight featuring an SFT-70 6500K LED, delivering a maximum output of 3000 lumens with a uniform beam. Its durable aluminum construction ensures reliability.

Figure 1: RovyVon S21 and E3 Plus Flashlight Bundle. The S21 is a larger, cylindrical flashlight with a side switch, while the E3 Plus is a compact, rectangular keychain flashlight.

Key Features (S21)

- High-performance SFT-70 6500K LED for uniform beam.
- Max 3000 lumen output.
- Durable aluminum case.
- Handheld size: 5.6 x 1.1 inches.
- Lanyard attachment point.

Beam Performance (S21)

Figure 2: RovyVon S21 demonstrating its 3000 lumens output, illuminating a wide area in a dark outdoor setting.

Figure 3: RovyVon S21 demonstrating its maximum throw of 400 meters (1312 feet) across an open field at night.

RovyVon E3 Plus Flashlight

The RovyVon E3 Plus is a compact and lightweight flashlight, designed for portability and convenience. It offers an impressive 700 lumens, suitable for various lighting needs.

Key Features (E3 Plus)

- Compact and lightweight design.
- Impressive 700 lumens output.
- USB-C charging.
- Charging indicator.

Figure 4: RovyVon E3 Plus showing its USB-C charging port and charging indicator light, with a USB-C cable connected.

Figure 5: RovyVon E3 Plus showcasing its compact and portable design, resting on a surface next to a dark fabric.

Output Table (E3 Plus)

2x 6500K Cool White

Primary light	Moon	Low	Med	High	Strobe
Output (Internal battery)	0.5lms	10lms	100lms	700lms	/
Output (AAA battery[1])	0.5lms	5lms	20lms	100lms	/
Runtime (Internal battery)	62hrs	14hrs	2hrs	3Mins[2] +1hr	/
Intensity (Internal battery)	/	/	300cd	1300cd	/
Beam Distance (Internal battery)	/	/	10m	70m	/

1. The output while using AAA battery was tested with rechargeable Ni-MH 1.2V AAA battery.
2. The high mode (powered by internal battery) will step down to 150 lumens in 3 minutes.

Figure 6: Table detailing the output, runtime, intensity, and beam distance for the RovyVon E3 Plus, for both internal and AAA battery usage.

SETUP

Battery Installation (S21)

The RovyVon S21 uses a 21700 Lithium Polymer battery. Ensure the battery is inserted with the positive (+) terminal facing the head of the flashlight.

Initial Charging

Before first use, fully charge both flashlights. The S21 features onboard USB-C charging. The E3 Plus also charges via USB-C.

OPERATING INSTRUCTIONS

RovyVon S21 Flashlight

Mode Selection and Power

The S21 features a unique rotating switch for mode selection and a central button for power and brightness adjustment.

1. **Lockout:** Align the vertical marker on the rotating switch to the center position. Pressing the central button will only show the battery indicator.
2. **Main Beam Modes:** Rotate the switch to the right. Press the central button to cycle through the four main brightness levels.
3. **Strobe/SOS Modes:** Rotate the switch to the left. Press the central button once for SOS mode, and press and hold for strobe mode.
4. **Turbo Mode:** From any main beam mode, press and hold the central button to activate Turbo mode for a 10-second burst.

Battery Indicator (S21)

The S21 features LED indicators to display the battery capacity. Press the central button while in lockout mode to check the battery level.

RovyVon E3 Plus Flashlight

Refer to the E3 Plus output table (Figure 6) for specific mode details. Typically, a single press of the power button will turn the flashlight on/off and cycle through brightness modes. Long press for special modes like strobe or to access the highest output.

MAINTENANCE

- Keep the flashlight clean and dry.
- Clean threads and O-rings regularly and lubricate with silicone grease to maintain water resistance.
- If the flashlight will not be used for an extended period, remove the battery to prevent leakage.
- Avoid direct eye exposure to the light beam.

TROUBLESHOOTING

- **Flashlight not turning on:** Check if the battery is correctly inserted and fully charged. Ensure the S21's rotating switch is not in the lockout position.
- **Charging issues:** Verify the USB-C cable is properly connected to both the flashlight and a power source. Check the charging indicator light.
- **Reduced brightness or runtime:** The battery may be low or nearing the end of its lifespan. Replace or recharge the battery.

SPECIFICATIONS

Feature	Value
Brand	RovyVon
Model	S21
Light Source Type	LED
Material	Aluminum

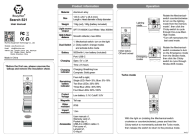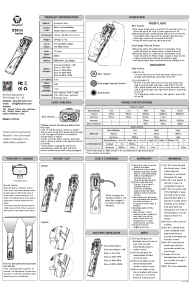| Feature	Value
White Brightness (S21)	3000 Lumens
Brightness (E3 Plus)	700 Lumens
Power Source	Battery Powered
Battery Type	Lithium Polymer (S21), Lithium-Ion Polymer (E3 Plus)
Number of Batteries	1 Lithium Polymer battery required (included)
Special Feature	Durable
Water Resistance Level	Not Water Resistant

PERFORMANCE DATA (S21)

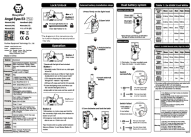Measurements were conducted using an Opple Light Master Pro, with figures based on switch activation.

Mode	Candela @5m	Throw (meters)	CRI (Ra)	CCT (K)
Step 1	975	62	73	5310
Step 2	5850	153	67	5697
Step 3	22925	303	67	5948
Step 4	42375	412	68	6071
Turbo	66200	515	61	6480

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service. Specific warranty details were not provided in the product information.
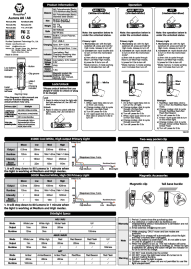
Related Documents - S21

[RovyVon Search S21 User Manual - Specifications, Operation & Features](#)
Detailed user manual for the RovyVon Search S21 flashlight, including product information, operation instructions, specifications, charging details, and warranty.

[RovyVon E30 Pro LED Flashlight User Manual and Specifications](#)
Comprehensive user manual and technical specifications for the RovyVon E30 Pro LED flashlight, detailing operation, modes, features like proximity sensor, USB-C charging, and warranty information.
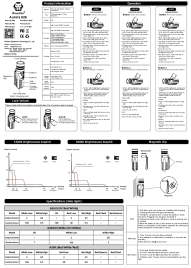
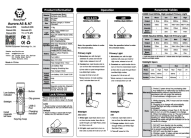|	[RovyVon Angel Eyes E3 Plus Keychain Flashlight User Manual](#) User manual for the RovyVon Angel Eyes E3 Plus keychain flashlight, detailing its features, specifications, operation, and safety guidelines. This guide covers dual battery system use, lighting modes, charging, and warranty information.
	[RovyVon Aurora A6/A8 Flashlight User Manual](#) Comprehensive user manual for the RovyVon Aurora A6 and A8 series flashlights, detailing product information, operation, specifications, and safety warnings.
	[RovyVon Aurora A26 Flashlight User Manual and Specifications](#) Comprehensive user manual for the RovyVon Aurora A26 flashlight, detailing product information, operation instructions for front and side emitters, brightness specifications, warranty, and safety warnings. Includes multilingual support.
	[RovyVon Aurora A5 & A7 Keychain Flashlight User Manual](#) Comprehensive user manual for the RovyVon Aurora A5 and A7 series keychain flashlights, detailing product information, operation, specifications, warranty, and safety warnings. Includes details on primary and sidelight functions, charging, and modes.