Hybrid Series H3 EDC Penlight User Manual

Features
1. Crafted from aerospace 6063 aluminum alloy
2. Alternative 6500K cool white LED or 5000K warm white high CRI LED
3. LOP (Light Orange Peel) reflector, smooth and eyes friendly beam
4. Hybrid battery supply - internal 300mAh Lipo battery & external (replaceable) AAA/10440 battery
5. USB-C rechargeable
6. Instant mode memory
7. Detachable deep carry stainless steel pocket clip included
8. IPX6 water resistance

Size: 133mm / 5.24" (L) * 16.5mm / 0.65"   Weight: 49g / 1.73oz
Accessory: Pocket clip*1, USB-C cable*1, Charging port cover*1, O-ring*2, Lanyard*1, User manual*1, Warranty card*1

Power supply switch
1. By default, it will use the external battery (Alkaline or Ni-MH AAA battery or 10440 Li-ion battery) once it was installed.
2. By holding the side switch for 3 seconds, the power can be switched between internal battery and external battery
   a. If the external battery was used, it will be switched to the internal battery (Li-po) and the battery indicator will show Blue to indicate it was switched successfully.
   b. If the internal battery was used, it will be switched to the external battery and the battery indicator will show Green to indicate it was switched successfully.
3. It will switch between automatically if the battery is low (Li-po / 10440 is lower than 3.0V or AAA battery is lower than 0.8V).
4. It will fail to switch the power supply in the following cases
   a. The board has issues like short circuit, etc.
   b. Both batteries are low voltage.

Operation (Any button)
1. Moonlight: From off, single click, click again to turn off
2. Turn on: Rapid double click
3. Switch mode: click to cycle through moonlight-low-med-high
4. Emergency mode: rapid triple click, and click to cycle through Strobe-SOS-Signal beacon
5. Turn off: Press for 0.3 seconds
6. Memory mode: memorize the last used mode after turned off.

CREE LED

Specs	Battery	Moonlight	Low	Medium	High
Output	Li-po	0.5lm	20lm	200lm	500lm
	AAA	0.1lm	15lm	60lm	100lm
Runtime	Li-po	54H	10H	90mins	40mins
	AAA	20H	6H	2H	50mins
Intensity	Li-po	1200cd (max)			
	AAA	600cd (max)			
Beam Distance	Li-po	70m (max)			
	AAA	50m (max)			
Impact resistance	1.5m				
Waterproof	IPX6				

Nichia LED

Specs	Battery	Moonlight	Low	Medium	High
Output	Li-po	0.5lm	15lm	160lm	400lm
	AAA	0.1lm	10lm	60lm	120lm
Runtime	Li-po	56H	12H	100mins	45mins
	AAA	24H	6H	2H	1H
Intensity	Li-po	900cd (max)			
	AAA	400cd (max)			
Beam Distance	Li-po	50m (max)			
	AAA	30m (max)			
Impact resistance	1.5m				
Waterproof	IPX6				

*Parameters may vary from environment, using method, and flashlight.
**The data of the AAA battery tested with Eneloop Ni-MH rechargeable AAA battery.

Graphic of CREE LED

Output (Lumen) High Mode
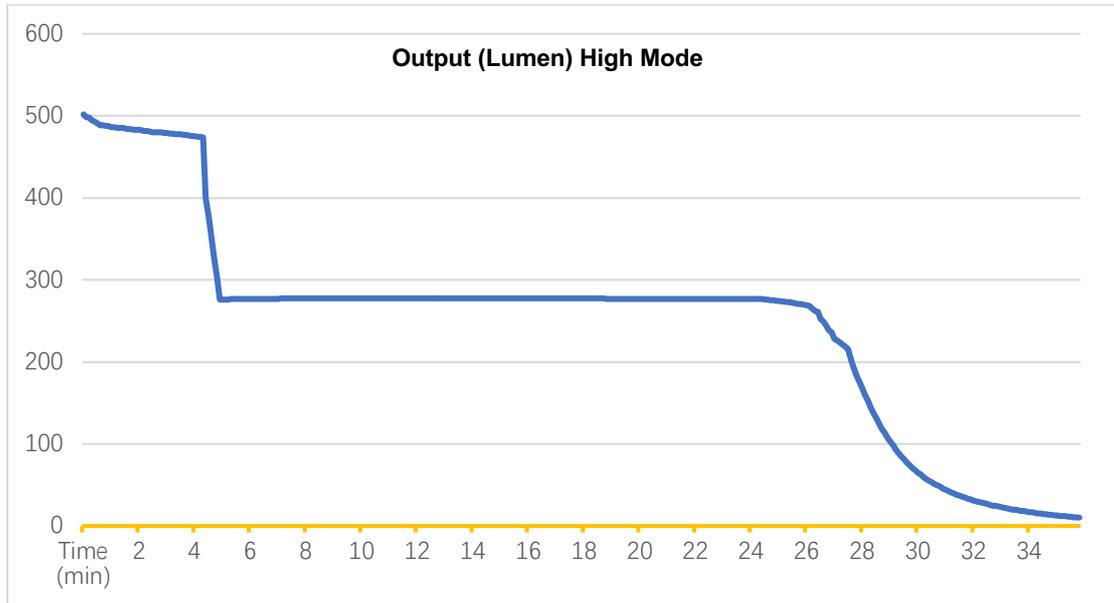
Battery case installation

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