Type...	18920 101 111
Designation...................................	Night Cutter Pro F20R
Input..	DC 5V/500-2400mA
Battery required.........................	1x 18650 battery (Li-ion 3.6V 2600mAh 9.36Wh)
LED...	1x Samsung 351D cool white LED, CCT 6500K

Luminous intensity ....

Lumen
Turbo 1000 lm
High 500 lm
Mid 250 lm
Low 50 lm
Strobe 150 lm

Intensity
Turbo 10000 cd
High 5625 cd
Mid 2500 cd
Low 625 cd
Strobe 2500 cd

Run Time.....................................
High 4.5 h
Mid 6 h
Low 22 h
Strobe 3 h

Battery Charging Time.............
<= 3 h (5V, 2.4A)
(* Charge time will be affected if under low temperature)

Features (Technical)……………………………..

Super bright Samsung cool white LED

MCU control multiple functions push switch:

- Short press: Low/Mid/High/Off

- Double press: Strobe

- Long press 3 s to check battery capacity at Off mode

- Long press 3 s (Low/Mid/High/Strobe)->Turbo -> Drop to Mid mode

- Turbo 3 times (if each turbo within 1 min)-> Disable 1 min

4 s memory wipe

- No brightness and mode memory function after 4 s

- Resets next press to off if any mode longer than 4 s

- Always start in low mode when light on

Battery Indication, 4 statuses: (Long press 3 s at Off mode)
0%-25%   Red blink 4 times (3.0V-3.45V)
25%-50%   Red solid 3s (3.45V-3.70V)
50%-75%   Blue blink 4 times (3.70V-3.95V)
75%-100% Blue solid 3s (3.95V-4.2V)

User display status charging:
Charging: Blue breathing
Fully Charged: Blue constant on

Low Battery indication: Red blinking when battery capacity <=10% (Discharging status)

Twist head to focus beam (spot to flood or flood to spot)

Broad and consistent flood beam with ultra view area

Simultaneous Charge/Light: When charging the battery, light level gets dimmed (within the temperature limits)

Range ....

Turbo 200 m
High 150 m
Mid 100 m
Low 50 m
Strobe 100 m (calculated distance at maximum luminous intensity with an illuminance of 0.25 lux)

Material ....

PC (Polycarbonate)
ABS
Silicone
Aluminum
(All contact parts made of bronze or nickel-plated steel)

Weight .... 231.5 g (with battery)

Dimensions ....

A (Head Diameter)   39 mm

B (Endcap Diameter)   35.4 mm

C (Length)   161 mm

Safety Features：

NTC temperature protection

Charging circuit with protection for over-charged, over-discharged & short circuit protection

Discharging to LED system shall stop when battery has reached the 3.0V threshold

Type II anodized

Eye Risk group II

2 m Drop Test

IP67 Dust & Waterproof

10,000 Switch cycle life

10,000 USB Type C Plug Insertion Life Test

Push-Lock via end cap with SoC LED indication and charging port

Charge every six months

Passed extreme temperature shock test