

LED Waterproof Flashlight

Working Principle:

This product adopts the principle of cranking for power by three phase alternator. The power stored is used to charge the built-in 80 mAh/3.6V Ni-MH chargeable battery after commutating and filtering as the power source of the LED light.

Functions:

1. Cranking for power to charge its built-in 80 mAh/3.6V NI-MH storage battery.
2. 1 LED lighting/ 3 LEDs lighting /3LEDs flashing for a circle.
3. Waterproof under 5 meters.

Features:

1. Low noise and high efficiency.
2. Convenient to use, no external batteries.
3. Controlled by electric switch, long life-span.
4. Unique design,novel and fashionable.
5. It can work normally under 5 meters water.

Main Technical Parameters:

Item	Parameter	Unit	Item	Parameter	Unit
Max. brightness			Max. Luminous flux		
1 LED	17000	Mcd	1 LED	2.5	Lm
3LEDs	50000	Mcd	3LEDs	6.5	Lm
Lighting time after being charged fully			Lighting time after cranking for 1 minute		
1 LED lighting	6.5	Hour	1 LED lighting	60	Minute
3LEDs lighting	4	Hour	3LEDs lighting	40	Minute
3LEDs flashing	6.5	Hour	3LEDs flashing	60	Minute
			Flash Frequency	2	Hz
LED lifetime	50000	Hour	The plastic part lifetime	5	year
Switch lifetime	100000	Times	The whole unit lifetime	5	year

Operation Method:

1. Unlock the handle and crank it at the speed of 3 circles per second for 1 minute, press the switch , the light will be on .
2. Lighting modes: press the switch once, one LED in middle lights up; press again ,three LEDs on, press for the third time, 3 LEDs Flashing, press once more, the flashlight is off.

Cautions:

1. Do not aim at anyone's eyes in case of hurting the eyes.
2. Crank it as even as possible (keep rotating steadily). Too slowly cranking would make the current weak and prolong the charging time, and too violent cranking will possibly damage the power transferring system.
3. Pay attention to the holding gesture when cranking, so as not to hurt your fingers and fingernails.
4. To ensure the using life of the inside battery, cranking no more than 3 minutes continuously when the the flashlight can light normally and less than 10 minutes when it can't light.
5. Cranking the handle at least 1 minute once a month to prolong the life of product.

Size and Weight:

Size: 147.5*61.5*45mm

Weight: 176gt.