

# RAINPROOF LED CAMPING LANTERN

## WORKING PRINCIPLE

This product adopts the principle of cranking for power generation. Cranking the handle to drive the generator to generate alternating current by professional designed driving gear. Then changing the alternating current into DC after commutating and voltage stabilizing which to charge its built in 800mAh, 3.6V battery. Charge this product via external 5 V adapter. Red indicator will glow while charging and green indicator will glow while being charged fully. Switch models: Low level lighting of 16 white LEDs→ high level lighting of 16 white LEDs→ 3 red LED lighting→ 3 red LEDs SOS flashing→ off.

## PRODUCT FUNCTIONS & FEATURES

1. Cranking for power generation
2. Switch models: Low level lighting of 16 white LEDs→ high level lighting of 16 white LEDs→ 3 red LED lighting → 3 red LEDs SOS flashing→ off.
3. Charge the product with external 5 V power source, charge and fully charged indication.
4. Rainproof function
5. Sticking to iron object
6. Hanging hook & hanging handle

## MAIN TECHNICAL PARAMETERS

### 1) Lighting :

The Max. Luminous Flux of high level lighting	60 Lm
The Max. Luminous Flux of low level lighting	19 Lm
High level lighting time after 1 minute cranking	5 Minutes
Low level lighting time after 1 minute cranking	25 Minutes
3 red LEDs lighting time after 1 minute cranking	25 Minutes
3 red LEDs flashing time after 1 minutes cranking	45 Minutes
High level lighting time after 3 minutes cranking	9 Minutes
Low level lighting time after 3 minutes cranking	40 Minutes
High level lighting time after being charged fully	150 Minutes
Low level lighting time after being charged fully	12 Hours
3 red LEDs lighting time after being charged fully	≥60 Minutes
3 red LEDs flashing time after being charged fully	≥2.5 Hours
Fully charged time by hand crank	100 Minutes
Fully charged time by external adapter	5 Hours

### 2) Parameters of external power source

Specification of charge connector	DC connector, $\Phi 3.5 \times \Phi 1.3 \text{mm}$
Input voltage	5-5.2 V

### 3) Main parts life-span

Switch	≥10000 Times
The whole unit	≥5 Years
The plastic part	≥5 Years
Hanging hook	≥5000 Times
Hanging handle	≥5000 Times

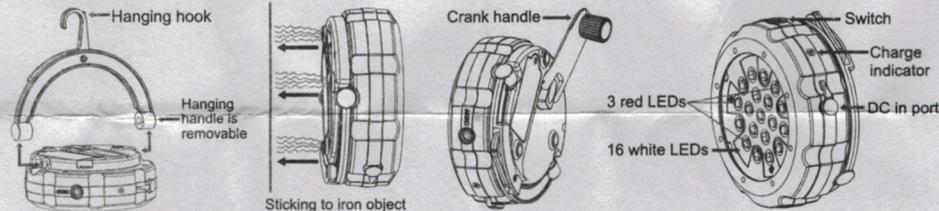
### 4) Size and Weight

Product size	$\Phi 98.5 \times 40 \text{mm}$
Product weight	215 g

### 5) Others:

Specification of built-in battery	800mAh, 3.6 V
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## PART IDENTIFICATION



## OPERATION METHOD

### 1. Lighting:

Switch models: Low level brightness (16 white LEDs)→ high level brightness (16 white LEDs) →3 red LEDs→3 red LEDs SOS flashing→ off.

### 2. Charging operation:

- 1). Charge its inside battery: hold the unit and crank the handle by the other hand at the speed of 3 circles per second to charge its inside battery.(Charge indicator will glow)
- 2). Charged by external power source: plug in the DC connector into the DC in port of the product, the red indicator will glow while charging and the green indicator will glow while being fully charged.

### 3. Using of hanging hook and hanging handle:

- 1). Hang this product on the tent's cord (the cord diameter is between  $\Phi 1 \sim \Phi 11 \text{mm}$ ).
- 2). Remove the hanging handle first and hang this product on a cylinder (the cylinder diameter is between  $\Phi 1 \sim \Phi 30 \text{mm}$ ).

### 4. Sticking to iron object:

Place the back of this product on the surface of iron object and it can stick to the surface such as refrigerator, air conditioning and automobile, etc.

## CAUTIONS

1. Don't point at eyes directly so as not to hurt the eyes.
2. Pay attention to the holding gesture when cranking which can protect your finger and nail from hurting. Keep rotating steadily.
3. In order to assure the using life of the battery and the mechanical parts, pls pay attention to the instructions below:
  - a) Do not crank it for more than 5 minutes when the power of the battery is enough (lighting normally) and less than 15 minutes when it runs out of power.
  - b) When the light is dim, it means the battery is lack of power badly, pls turn off the light or crank it for a while.
  - c) Cranking it as even as possible (keep rotating steadily, 2.5 or 3 circles per second is best). Too slowly cranking would make current weak and influence the charging efficiency, and too violent cranking possibly damages the driving system.
  - d) In order to prolong the lifespan of the battery, you should crank it for at least one minute once a month.
4. Do not place this product in which temperature or humidity is high. Do not drop or hit this product.
5. Turn off the light when charging in order to enhance the efficiency of charging .
6. The product will be a little hot if cranking for a long time.
7. We do not give notice again if the parameter of this product changed.
8. We reserve the final right to interpret this product.

## DISPOSAL OF BUILT IN BATTERY

This product contains a 3.6 volt 800 mA AH rechargeable battery. It should be removed prior to disposal of the LED dynamo lantern. The battery is contained in a compartment in the back of the LED dynamo lantern and can be accessed by removing one screw retaining the cover. Help the environment by disposing of your product and batteries responsibly. The wheellie bin symbols indicate the product and batteries must not be disposed of in the domestic waste as they contain substances which can be damaging to the environment and health. Please use designated collection points or recycling facilities when disposing of the item or batteries.