

- ❖ If the lighting appliance has faults other than those mentioned above, please contact us or the local representative of our company immediately. We will provide solutions as soon as possible.



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# HL-1000-EX BW7101B LED Portable Explosion-proof Searchlight Instruction manual

LED



**Reference standards:**  
EN 60079-0: 2018; EN 60079-1: 2014;  
EN 60079-11: 2012; EN 60079-31: 2014

**ZHEJIANG TORMIN ELECTRICAL CO.,LTD.**

**TORMIN**

This product is widely used in high-voltage line inspection, search and rescue, equipment inspection, maintenance and various flammable and explosive places as mobile lighting.  
Zone 1 and Zone 2 for hazardous gases; Zone 21 and Zone 22 for hazardous dust.

## ❖ Characteristics Of Performance

- Three levels of strong light, weak light, and flashing warning can be switched at will;
- Dual modes can be switched freely. When the light is on, press and hold the switch for 5 seconds to switch the mode. (below using BW7101B as example)  
Mode 1: High light illumination for 8 hours, low light illumination for 16 hours;  
Mode 2: High light illumination for 11 hours, low light illumination for 16 hours;
- Digital battery display, real-time understanding of lighting time;
- Using ultra-high brightness LED, suitable for field patrol operations and search targets;
- The patented structure for heat dissipation can quickly reduce the temperature of the light source and effectively ensure the reliability and service life of the light source;
- The shell is made of CNC precision processing, and the surface of the shell is treated with the hardest oxidation treatment, making the whole elegant atmosphere;
- It can be equipped with a rubber protective cover to increase the resistance to fall and wear and prolong the service life of the product;
- Built-in 6pcs 18650 lithium batteries, with strong endurance, can be selected according to the use situation.

## ❖ Main Specification

Item	Unit	BW7101B		
		Model 1	Model 2	
Rated capacity	Ah	2.6		
Rated voltage	V	22.2 (6 batteries series)		
Rated wattage	W	3×3		
Luminous	High	lm	≥890	≥670
	Low	lm	≥515	≥515
Lighting time	High	h	≥8	≥11
	Low	h	≥16	≥16
Time of charging	h	8		
Service life of battery	Recycle	≈1000		
Net weight	g	830		
Dimension	mm	φ 67×140		
Note: When BW7101B is on, press and hold for 5 seconds to switch between mode 1 and mode 2; When switching to mode 1, the display shows P1; when switching to mode 2, the display shows P2.				

## ❖ Instructions:

1. When in use, lightly press the handle switch to start the High light illumination for the first time, press the second time to turn into Low light, press the third time to turn off, and cycle in turn.
  2. When the light is off, press and hold the switch for 2 seconds, the light will flash, and then press the switch again to turn off the light.
  3. When the light is on, press and hold the switch for 5 seconds to switch the mode:(below using BW7101B as example)  
Mode 1: High light illumination for 8 hours, low light illumination for 16 hours;  
Mode 2: High light illumination for 11 hours, low light illumination for 16 hours;
  4. When the light is turned on, the battery power will be detected. The battery power is displayed as a percentage value in the window at the end of the lamp. When the power is 10%, the lamp needs to be charged.
  5. After the first few times of use, the charging time is 8~10 hours. In the future, it can be recharged in time according to the normal charging time to ensure that the battery is always fully charged; after a full charge, it can be used at any time within 90 days; if it is long-term Leave it unused and charge it for about 8 hours before use.
  6. During use, if the power is about to run out, the brightness of the light will be significantly dimmed and enter the stroboscopic state. The power will be automatically cut off after about 10 minutes. At this time, stop using and charge in time.
  7. The charger has a built-in charging protection device. Open the charging rubber plug on the back cover of the lamp, and insert the charger's output plug into the charging socket. The red light is on to indicate that it is charging, and the red to green indicates that it is fully charged.
- Ex marking:**  II 2 G Ex db ib IIC T6 Gb  
 II 2 D Ex ib tb IIC T80°C Db IP68

## ❖ Precautions:

1. Frequently check and ensure that the handle and the back cover, the lamp tube and the back cover are tightly integrated to enhance the waterproof, explosion-proof, and impact resistance capabilities.
2. When charging in a place with a high ambient temperature or continuously discharging with strong light for a long time, the surface of the flashlight will rise slightly in temperature, which is a normal phenomenon.
3. It is strictly forbidden to place the transparent part of the lamp facing down after turning on the lamp; do not illuminate the human eye directly (because the strong light may hurt the human eye).
4. Do not disassemble the structural parts of the lamp at will, especially the sealed structural parts.
5. Wipe the surface after use in a corrosive environment or seawater.  
The box includes lamps, lanyard, charger, manual.