



SOLAR HURDLE LAMP USER MANUAL (application instruction)

- MODEL No.: TEA-1B03 • Storage Component : Ni-MH Battery

1. PERFORMANCE AND CHARACTERISTICS

1.1. This is a solar energy powered, new generation signal and decoration light. It transforms solar energy into electric energy, which lights the built-in ultra-bright LED. High-quality and high-capacity Ni-MH batteries are used to store energy at the day time and lights the LED at night by auto-controller.

1.2. The product is self-powered, economical and environmental protect, working under the safe voltage.

1.3 Cordless, easy to install; fully sealed, suitable for outdoor, bridge, enclosure etc. need not maintenance.

1.4. Automatically controlled: turn on and off according to the ambient light intensity.

1.5. Applied advanced technology and high quality raw material are used for main parts, which improve photoelectricity transform efficiency and lengthen the working hours after fully charged.

1.6. Long life span, average life is 4 years.

1.7. Good caution and decoration effect: more than 1,000 meters visible distance at night under normal weather condition.

2. TECHNICAL DATA

Lighting Mode

1	Flash	① f=75±5 T/min, ② f=250±10 T/min, ③ specified by buyer
3	Constant	

Technical Data

Storage component			Solar cell			continuously working hours after fully charged (h)					Average life (years)	Housing material	Part number
			Power (mWp)	current (mA)	vol (V)	1	2	3	4	5			
Comp.	Capacity	Vol											
Ni-MH Battery	1200mAh	2.4V	350	100	3.5	120	--	80	--	--	4	PC	TEA-1B03A/B-BH
	800mAh	2.4V	250	70	3.5	60	--	40	--	--	4	PC	TEA-1B03A/B-B
Ni-MH Battery	1800mAh	2.4V	400	115	3.5	120	--	80	--	--	4	PC	TEA-1B03C-BH
	1200mAh	2.4V	300	85	3.5	60	--	40	--	--	4	PC	TEA-1B03C-B

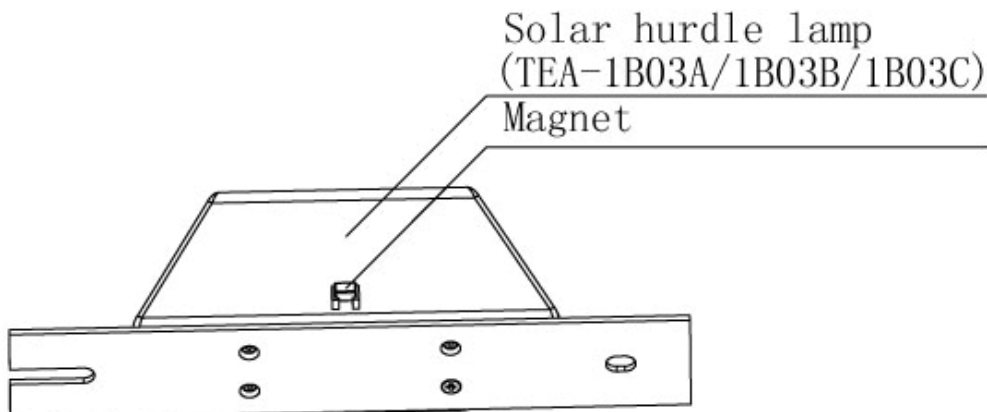
Other Data			
Light Source			
Name	Ultra-bright LED	Turn On/Off	Automatically turn on at:50±20 lx,
Optional color	R, B, G, Y, W, M: colorful (R.G.B.inside)		Automatically turn off at:350±50 lx
Highest luminous intensity	≥20000mcd	Protection Level	IP66
Qty	3pcs (Ø10mm): TEA-1B03A/B	Ambient temperature	-40°C ~70°C (-40F~158F)
	6pcs (Ø10mm): TEA-1B03C	Outline dimension	Lx D×H=250mm×50mm×78mm
		Weight	470g: TEA-1B03A/B
			500g: TEA-1B03C

3. APPLICATION:

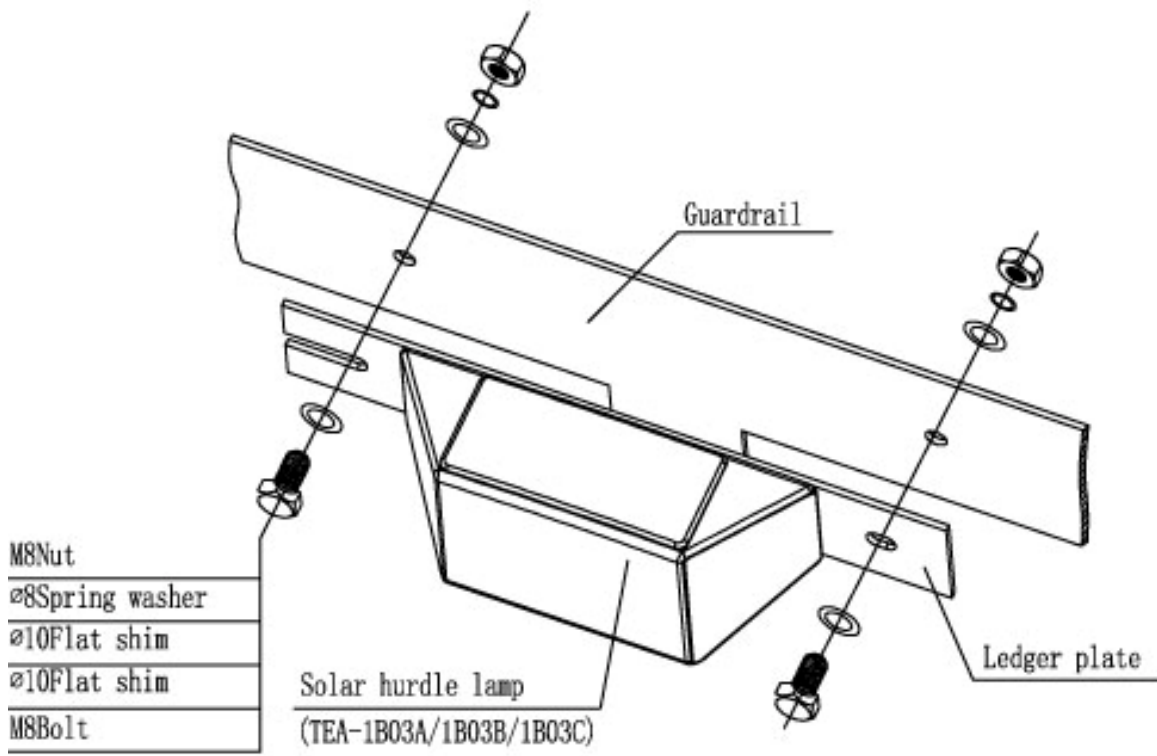
- 3.1. The product is suitable for the areas with long direct sunlight time. For those areas with shorter direct sunlight time, foggy or opposite the sun, it is better to choose super capacitor as storage component.
- 3.2. Various lighting modes and colors are available to meet customers' different demands.(i.e. constant or flash frequency = $75 \pm 5T/min$ is suitable for common area such as straight road, while high frequency($=250 \pm 10T/min$) flash mode is more suitable for crooked road etc.)
- 3.3 The product can be used as decoration, caution or direction of baluster, structure enclosure, structure contour line, sight project of crossroads, viaduct, expressway, urban street etc.

4. INSTALLATION INSTRUCTIONS

- 4.1. When installation, please make the solar panel face up or face to the sun as possible as it can, otherwise the photovoltaic transform efficiency will be affected in a certain range.
- 4.2. If the product has not been used for a long time, recommend to charge it in the sun for about 2-3days every 3 months in order to protect the Ni-MH battery.
- 4.3 Please make sure to take off the magnet from the back of the product before installation(please see pic. 1) to make it to working status.
- 4.4 Installation method please refer to pic. 2.



Picture 1



Picture 2