

## Mini-BoGo Light

### TECHNICAL DESCRIPTION

The Mini-BoGo Light is a solar powered, handheld, portable lighting device incorporating a solar panel, one super high efficiency LED, one rechargeable battery and an electronic power management system.



Number of light emitting diodes (LEDs)	1 super bright, super high efficiency white Nichia LED
Switch	On-Off
Duration of light per use (fully charged battery)	6+ hours
Light output	15 lumen light output
Light level consistency	The electronic power management system provides a constant current to the LEDs to ensure a consistent level of brightness, regardless of the state of the battery charge.
Solar panel	2.90" x 1.35" 300 milliWatt monocrystalline high efficiency photovoltaic panel
Battery	1 – AA 1200 mAh nickel-metal hydride (NiMH) rechargeable battery included
Battery life	750+ charge-discharge cycles
Battery overcharge/discharge protection	Electronic power management system prevents batteries from overcharging or fully discharging to protect batteries and improve battery life.
Battery recharge time	Battery fully recharges in 8-10 hours of full sunlight.
Body	Single piece, high impact resistant ABS body. Polycarbonate lens.
Sun and Water Exposure	Waterproof and UV resistant body
Dimensions:	Light is 6.2" long; Maximum dimensions: 6 3/16" long x 2 5/8" high x 1 3/4" wide.
Weight (including battery)	5 oz., 150 grams
Attachment modes	Carabiner clip. Allows for one-handed attachment to backpack, ropes, branches, etc.
Colors available	Orange, pink, blue, red, green, yellow

## Mini-BoGo Light Features

The Mini-BoGo Light is the perfect personal light for reading, working, crafts, etc. as well as for outdoor activities. In addition to being an effective task light, the Mini-BoGo illumination angle provides a useful cone of light over an area of about 4 square feet, and useful, but lower, level illumination over wider area.

The super bright, super-high efficiency, long life white LED is supplied by market-leading Nichia. We selected Nichia for their superior product performance and consistency. The LED's have a 10+ year lifetime.

The electronic power management system provides a constant level of current to the LED's over about 90% of battery capacity. As the very end of the battery's charge is approached, the light will progressively dim.

The eco-friendly AA nickel metal hydride 1200 mAh rechargeable battery provides 6+ hours of operation on a fully charged battery.

User can install a larger capacity AA battery, if desired, to give even longer operating times from a fully charged battery. Note: larger capacity batteries will take proportionally longer to charge.

Battery life depends on a number of factors, primarily charge-discharge cycles and the depth of discharge. Users who do not regularly fully discharge the battery may get more battery cycles; users who regularly fully discharge the battery may expect to get fewer battery cycles.

Temperature extremes affect battery function. Use in subzero temperatures is not recommended as batteries are often adversely affected by freezing. Very high temperatures can reduce battery charging rates, and continual use in exceptionally hot conditions can shorten battery life.

The light is completely waterproof.

The Mini-BoGo Light is designed to be shockproof – to withstand shocks in excess of those prescribed in Mil-Std 810G. But, if you abuse it enough, it might still break. The lens is tough UV resistant and shatter resistant polycarbonate, but it can be scratched if not treated sensibly.

The carabiner has been improved with thumb tabs on the gate for easy opening and the redesigned hook has a wider opening than our previous lights.

Night glow strip around head of light helps locate light in the dark.