

# Solar Lighting System

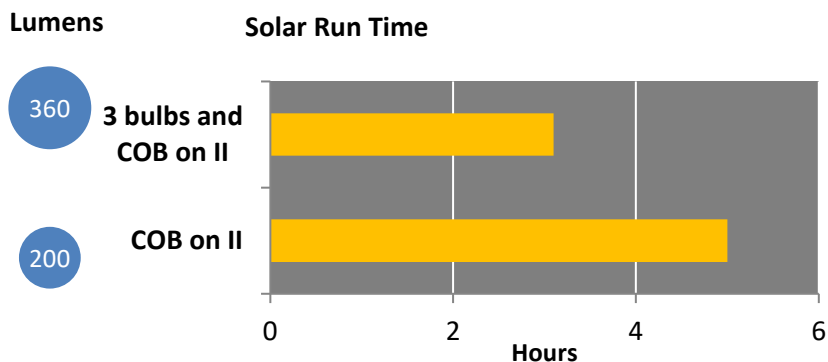
Ningbo ZhengZheng Electric Appliance Co., Ltd.

Verify Online:

[www.lightingglobal.org/products/nbz-gd](http://www.lightingglobal.org/products/nbz-gd)

Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

Valid Until: November 30, 2020



Meets Lighting Global Quality Standards

Mobile Charging

**4** Light Points

## Warranty Information

A 1-year warranty covering manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting**	
	3 bulbs and COB on II	COB on II
Full battery run time* (hours)	3.1	5
Run time per day of solar charging* (hours)	3.1	5
Total light output (lumens)	360	200
Total lighting service (lumen-hours / solar-day)	1100	1000

\* Run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

\*\*Additional brightness settings not tested: 3 bulbs on, Two bulbs on, One bulb on, COB on I

## Lighting Details

Lamp type	LED
Description of light points	Eight LEDs in each of three hanging bulbs with a frosted cover. Two LEDs in the COB module with a transparent cover.
Colour characteristics	CRI 72 CCT "Daylight" (> 5000 K)
Distribution type	Wide
Lumen maintenance	94% of the original output remains after 2,000 hours run time

## Special Features

Mobile charging	Adapters included to charge mobile phone from battery
AC Charging	AC charging adaptor included

<b>Durability</b>	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. protection from occasional rain. Met requirements with a warning label.

<b>Solar Details</b>	
PV module type	Polycrystalline silicon
PV maximum power point	4 watts

<b>Battery Details</b>	
Battery replaceability	Easily replaceable with common tools. Warranty is void if battery is replaced by consumer.
Battery chemistry	Sealed lead-acid
Battery package type	6.98 *4.75*9.84 cm
Battery capacity	2700 mAh
Battery nominal voltage	6 V
Appropriate battery protection circuit	Pass

<b>Product Details</b>	
Manufacturer name	Ningbo ZhengZheng Electric Appliance Co., Ltd.
Product name	Solar Lighting System
Product model / ID number	GD-8031
Contact information	sales@gdlite.com
Website	www.gdlite.com

<b>SSS Information</b>	
Specs sheet expiration date	November 30, 2020
Quality Standards Framework Version	2018
Revision	2018.11