

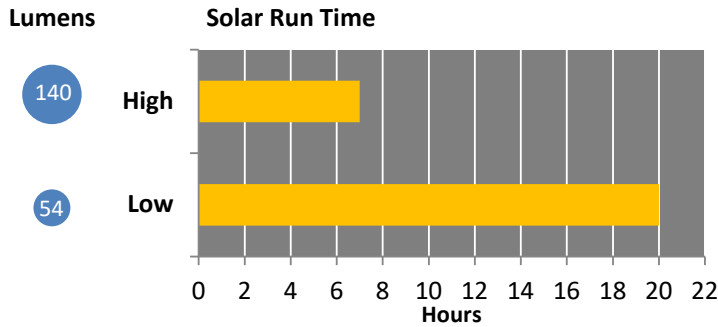
# G1 Solar Power Lantern with Phone Charger

Renewit Solar Limited

Verify [www.lightingglobal.org/products/ri-g1spl](http://www.lightingglobal.org/products/ri-g1spl)

Results based on test procedures detailed in IEC 62257-9-5, ed. 2.0

Valid Until: June 30, 2019



140

High

54

Low

0 2 4 6 8 10 12 14 16 18 20 22  
Hours



Meets Lighting Global Quality Standards



Mobile Charging

1

Light Point



## Warranty Information

One-year warranty covering product malfunction or failure.

## Performance Details

Performance Measure	Brightness Setting	
	High	Low
Full battery run time* (hours)	10	30
Run time per day of solar charging* (hours)	7	20
Total light output (lumens)	140	54
Total lighting service (lumen-hours / solar-day)	980	1100

\* 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.

\*\* Total area with illumination > 50 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

## Lighting Details

Lamp type	LED
Description of light points	15 LEDs per light point
Colour characteristics	CRI 86 CCT "Daylight" (>5000 K)
Distribution type	Wide
Lumen maintenance	101% of the original output remains after 2,000 hours run time

### Special Features

Mobile charging	USB port; four adapters included.
Indicators	Four LEDs to indicate battery state of charge and one red/green charging/full indicator LED.

### Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from occasional rain; met with IPX1.

### Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	3 watts

### Battery Details

Battery replaceability	Easily replaceable with common tools, but attempting replacement will void warranty.
Battery chemistry	Lithium-ion
Battery package type	Cylindrical
Battery capacity	4000 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

### Marks and Certifications

Factory certification	ISO 9001, ISO 14001
Other certification	IEC 60598, CE

### Product Details

Manufacturer name	Renewit Solar Limited
Product name	G1 Solar Power Lantern with Phone Charger
Product model / ID number	RNG1
Contact information	richard@renewit.com
Website	www.renewit.com

### SSS Information

Specs sheet expiration date	June 30, 2019
Quality Standards Framework Version	2017
Revision	2017.03