

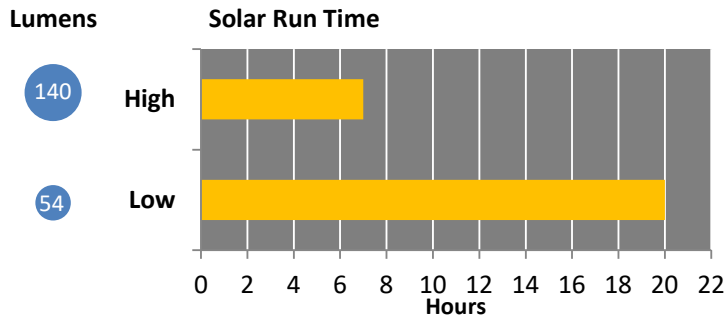
G1 Solar Power Lantern with Phone Charger

Renewit Solar Limited

Verify www.lightingglobal.org/products/ri-g1spl

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

Valid Until: June 30, 2020



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, 2020 |
| Quality Standards Framework Version | 2017 |
| Revision | 2017.03 |