

Solar Reading Lamp

SR07
Shenzhen Solar Run Energy Co. LTD

Verify online:
<https://data.verasol.org/products/sek/ssr-srl>
Valid until: December 31, 2024

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Light point(s)

Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

| Setting | Description | Run time after a typical day of solar charging (assuming 5kWh/m ² /day) | Total light output (lumens) |
|---------|------------------------|--|-----------------------------|
| High | 1 LED on , 0.3 W power | 2.4 hours | 40 lumens |
| Low | 1 LED on | 5.3 hours | 20 lumens |

Available daily electrical energy (Wh/day) 1

| Performance measure | Brightness setting: 1 light on High |
|---|-------------------------------------|
| Lighting full battery run time (hours) | 4.9 |
| Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product) | 96 |

LIGHTING DETAILS

| Lamp name | Number of lamps | Number of settings | Setting | Light output (lm) | Lumen efficacy* (lm/W) | CRI** | CCT*** | Distribution type | Lumen maintenance**** |
|------------------------|-----------------|--------------------|---------|-------------------|------------------------|-------|--------|-------------------|-----------------------|
| Integrated light point | 1 | 2 | High | 40 | 120 | 74 | 7500 | Wide | 100% |
| | | | Low | 20 | 140 | 74 | 7300 | Wide | 100% |

* Lumen efficacy is the power consumption at a light point during the light output test.

† Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

‡ Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

§ Percent of the original light output that remains after 2,000 hours of run time

| DURABILITY | | |
|--|-------------------------------------|---|
| Overall durability and workmanship | | Pass |
| Durability tests passed | | Switch test, Drop test, Physical ingress protection |
| Level of water protection | Main Unit with Integrated PV Module | Has protection from frequent rain; met IPX3 |
| SOLAR DETAILS | | |
| PV module type | | Monocrystalline silicon |
| PV maximum power | | 0.36 watts |
| MAIN UNIT BATTERY DETAILS | | |
| Battery replaceability | | Easily replaceable with common tools; however, the warranty is void if product is opened. |
| Battery chemistry | | Lithium iron phosphate |
| Specific Li-ion battery chemistry | | lithium iron phosphate |
| Battery package type | | 14500 |
| Battery capacity | | 0.4 Ah |
| Battery nominal voltage | | 3.2 V |
| Battery status/ other indicator lights | | One indicator that changes to red when product is being charged. |
| PRODUCT DETAILS | | |
| Manufacturer name | | Shenzhen Solar Run Energy Co. LTD |
| Product name | | Solar Reading Lamp |
| Product model / ID number | | SR07 |
| Contact information | | info@solarunoffgrid.com |
| Website | | www.solarunoffgrid.com |
| Dimensions (entire product in package) | | 12 x 14 x 3 cm |
| Mass | | 75 g |
| SSS INFORMATION | | |
| Specs sheet expiration date | | December 31, 2024 |
| Revision | | 2023.06 |