

# Solar Reading Lamp

SR07

Shenzhen Solar Run Energy Co. LTD

Verify online:

<https://data.verasol.org/products/sek/ssr-srl>

Valid until: May 31, 2023

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



Meets the Lighting Global Pico-PV Quality Standards

1

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 <sup>2</sup> /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
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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.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

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

<sup>h</sup> 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 indication		One indicator that changes to red when product is being charged.
MARKS AND CERTIFICATIONS		
Factory certification		ISO 9001:2015
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		81 g
SSS INFORMATION		
Specs sheet expiration date		May 31, 2023
Revision		2022.02