

# Solar Light

SC-5

Qingdao Sunshine New Energy Co., Ltd

Verify online:

<https://data.verasol.org/products/sek/sc-sc5>

Valid until: March 31, 2025

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

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system. The warranty is 3 years in Rwanda.

## 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 High, 0.33 W power	3.8 hours	42 lumens
Medium	1 LED on Medium, 0.21 W power	6 hours	27 lumens
Low	1 LED on Low, 0.10 W power	12 hours	not tested

Available daily electrical energy (Wh/day)

1.3

Performance measure	Brightness setting: High
Lighting full battery run time (hours)	5.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	160

## 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 Lamp	1	3	High	42	130	86	8400	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, PV durability tests
Level of water protection	Main Unit with Integrated PV Module	Has protection from frequent rain; met IPX3
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		0.35 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
Battery package type		AA (HR6/14500)
Battery capacity		0.58 Ah
Battery nominal voltage		3.2 V
Battery status/ other indicator lights		One indicator for PV charging.
PRODUCT DETAILS		
Manufacturer name		Qingdao Sunshine New Energy Co., Ltd
Product name		Solar Light
Product model / ID number		SC-5
Contact information		steven@solarchange.com.cn
Website		www.solarchange.com.cn
Dimensions (entire product in package)		12 x 9 x 6 cm
Mass		100 g
SSS INFORMATION		
Specs sheet expiration date		March 31, 2025
Revision		2023.03