

Little Sun Original

original V4
Little Sun GmbH

Results based on test procedures detailed in
IEC 62257-9-5 v.4

Verify online:

<https://data.verasol.org/products/sek/little-sun>

Valid until: February 28, 2023



Meets the Lighting Global Solar Home System Kit Quality Standards



1 Light point(s)

Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system and the battery.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
Bright Light	1 LED on , 0.3 W power	5.2 hours	29 lumens
Dimmest Light	1 LED on , 0.03 W power	- not tested -	5 lumens

Available daily electrical energy (Wh/day)	1.9
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Performance measure	Brightness setting: Bright
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)	150

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Little Sun Original (V4)	1	2	Bright Light	29	110	81	4800	Wide	87%
			Dimmest Light	5	160	83	4600	not tested	

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

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

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

^h 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, Strain relief test, Physical ingress protection.	
Level of water protection	Main Unit	Has protection from frequent rain; met IP44
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Monocrystalline silicon
PV maximum power	0.58 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	1x 14500 cylindrical cell
Battery capacity	4.2 Ah Ah
Battery nominal voltage	3.2 V
Battery status indication	5 LEDs to indicate battery state-of-charge

PRODUCT DETAILS	
Manufacturer name	Little Sun GmbH
Product name	Little Sun Original
Product model / ID number	original V4
Contact information	business@littlesun.com
Website	www.littlesun.com
Dimensions (entire product in package)	12.8 x 3.5 x 12.4 cm
Mass	157 g

SSS INFORMATION	
Specs sheet expiration date	February 28, 2023
Quality standards framework version	2021
Revision	2021.02