

Little Sun Diamond

V1
Little Sun GmbH

Verify online:
<https://data.verasol.org/products/sek/is-diamond>
Valid until: September 30, 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



1 Light point(s)

Plug-and-play



WARRANTY INFORMATION

2 year limited warranty includes the battery

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
Main lighting unit	One LED on, 0.24 W power	5.3 hours	28 lumens

Available daily electrical energy (Wh/day)	1.3
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Performance measure	Brightness setting: On
Lighting full battery run time (hours)	5.3
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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Main lighting unit	1	1	On	28	120	85	5000	Wide	97%

^e 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 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

SPECIAL FEATURES		
Ingress Protection	★	Meets IP44
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 IPX4
SOLAR DETAILS		
PV module type	Monocrystalline silicon	
PV maximum power	0.53 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Easily replaceable with common tools.	
Battery chemistry	Lithium iron phosphate	
Battery package type	1x14430	
Battery capacity	0.41 Ah	
Battery nominal voltage	3.2 V	
Battery status/ other indicator lights	One green LED that turns on during charging.	
PRODUCT DETAILS		
Manufacturer name	Little Sun GmbH	
Product name	Little Sun Diamond	
Product model / ID number	V1	
Contact information	business@littlesun.com	
Website	www.littlesun.com	
Dimensions (entire product in package)	3.3 x 8.5 x 10 cm	
Mass	118 g	
SSS INFORMATION		
Specs sheet expiration date	September 30, 2024	
Revision	2022.09	