

Solar Lantern

S3

d.light design

Verify online:

<https://data.verasol.org/products/sek/dl-s3>

Valid until: November 30, 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.

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 , 0.32 W power	4 hours	35 lumens

Available daily electrical energy (Wh/day)	1.4
--	-----

Performance measure	Brightness setting: High
Lighting full battery run time (hours)	4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	140

LIGHTING DETAILS


Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
LED	1	2	High	35	130	84	5720	Wide	99%
			Low	13	130	85	5880		

* 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

SPECIAL FEATURES		
Product Housing		UV Resistant Plastic
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 with IPX1 and an appropriate warning label
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type	Monocrystalline silicon	
PV maximum power	0.33 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Not easily replaceable with common tools.	
Battery chemistry	Lithium iron phosphate	
Specific Li-ion battery chemistry	lithium iron phosphate	
Battery package type	IFR 14500	
Battery capacity	0.45 Ah	
Battery nominal voltage	3.2 V	
Battery status/ other indicator lights	one indicator for charging	
PRODUCT DETAILS		
Manufacturer name	d.light design	
Product name	Solar Lantern	
Product model / ID number	S3	
Contact information	testing@dlight.com	
Website	www.dlight.com	
Dimensions (entire product in package)	10.3 x 9.5 x 2.5 cm	
Mass	80 g	
SSS INFORMATION		
Specs sheet expiration date	November 30, 2025	
Revision	2024.03	