

Solar Lantern

S3
d.light design

Verify online:
<https://data.verasol.org/products/sek/dl-s3>
Valid until: April 30, 2026

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		

^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 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

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		April 30, 2026
Revision		2025.12