

Solar Lantern

S3

d.light design

Verify online:

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

Results based on test procedures detailed in IEC TS 62257-9-5

Valid until: January 31, 2024



Meets the Lighting Global Pico-PV Quality Standards

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)

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****
LED	1	2	High	35	130	84	5720	Wide	99%
			Low	13	133	85	5882	--	--

* 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

Battery package type

IFR 14500

Battery capacity

0.45 Ah

Battery nominal voltage

3.2 V

Battery status indication

one indicator for charging

MARKS AND CERTIFICATIONS	
Factory certification	ISO 9001:2015; ISO 14001:2015
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)	9.5 x 10.5 x 2.3 cm
Mass	150 g
SSS INFORMATION	
Specs sheet expiration date	January 31, 2024
Quality standards framework version	2021
Revision	2023.07