

# Solar Lantern

S3  
d.light design

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

Verify online:

<https://data.verasol.org/products/sek/https://data.verasol.org/products/sek/dl-s3>  
Valid until: July 31 2023



Meets the Lighting Global Pico-PV Quality Standards



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 <sup>2</sup> /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
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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)	CR1**	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
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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	July 31 2023
Quality standards framework version	2021
Revision	2021.07