

Solar Lantern

A2
Brand name: d.light
Results based on test procedures detailed in IEC TS 62257-9-5:2024

Verify online:
<https://data.verasol.org/products/sek/sek-dl-a2>
Valid until: June 30, 2028



Meets the Requirements in IEC TS 62257-9-8:2025 for Size A kits

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 1-year warranty for the entire product for manufacturing defects and failure from normal use

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output [lumens]
On	One LED, 0.22 W power	5.7 hours	32 lumens

Available Daily Electrical Energy [Wh/day]

1

Performance measure

Brightness setting: On

Lighting full battery run time [hours]

5.7

Total lighting service (lumen-hours/solar-day)
(includes the both main lighting unit and any lights with internal batteries included with the product)

180

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting name	Light output [lm]	Power Consumption (W)	Lumen efficacy* [lm/W]	CRI**	CCT***	Lumen maintenance****
LED	1	1	On	32	0.22	150	81	5800	98

* 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 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

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 with IPX1 and an appropriate warning label
SOLAR DETAILS		
PV Module Type		Monocrystalline silicon
PV Maximum Power		0.34 W
PV Rated Power		0.3 W
PV Open-Circuit Voltage (V _{OC})		5.5 V
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		14430
Battery Capacity (tested)		0.41 Ah
Battery Capacity (rated)		0.3 Ah
Battery Nominal Voltage		3.2 V
Battery status / other indicator lights		one indicator for charging
PRODUCT DETAILS		
Company Name (full)		d.light design Ltd.
Company Name ("brand")		d.light
Product Name		Solar Lantern
Product Model or ID Number		A2
Company Contact Information		testing@dlight.com
Company Website		https://www.dlight.com/
Mass		90 g
SSS INFORMATION		
Expiration Date		June 30, 2028
Revision		2025.07