


# A2 Solar Lantern

A2  
d.light design

Verify online:  
<https://data.verasol.org/products/sek/dl-A2>  
Valid until: September 30, 2025

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8


1



Meets the Requirements in IEC TS 62257-9-8:2020 for Size A kits

Light point

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 <sup>2</sup> /day)	Total light output (lumens)
On	One LED on On, 0.22 W power	4 hours	27 lumens

Available daily electrical energy <sup>c</sup> (Wh/day)	1.1
---	-----

Performance measure	Brightness setting: On
Lighting full battery run time <sup>d</sup> for main unit (hours)	5.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	140

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.  
<sup>b</sup> Without any other loads used during the run time  
<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.  
<sup>d</sup> Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
LED	1	1	On	27	140	81	5500	Wide	99%

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.  
<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.  
<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)  
<sup>h</sup> 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
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		0.3 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 14430
Battery capacity		0.3 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		A2 Solar Lantern
Product model / ID number		A2
Contact information		testing@dlight.com
Website		https://www.dlight.com
Dimensions (entire product in package)		7.2 x 7.2 x 3.5 cm
Mass		90 g
SSS INFORMATION		
Specs sheet expiration date		September 30, 2025
Revision		2025.05