

A2 Solar Lantern

A2
d.light design

Verify online:
<https://data.verasol.org/products/sek/dl-A2>
Valid until: May 31, 2025

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



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 on On, 0.22 W power | 4 hours | 27 lumens |

Available daily electrical energy^c (Wh/day)

1.1

| Performance measure | Brightness setting: On |
|---|------------------------|
| Lighting full battery run time ^d 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 |

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^b Without any other loads used during the run time

^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

^d 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 ^a (lm/W) | CR ^f | CCT ^g | Distribution type | Lumen maintenance ^h |
|-----------|-----------------|--------------------|---------|-------------------|------------------------------------|-----------------|------------------|-------------------|--------------------------------|
| LED | 1 | 1 | On | 27 | 140 | 81 | 5500 | Wide | 99% |

^a 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

| 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 | | May 31, 2025 |
| Revision | | 2023.11 |