

Solar Home System

D200
Brand name: d.light

Verify online:
<https://data.verasol.org/products/sek/dl-d200>
Valid until: March 31, 2026

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 B kits



Mobile charging

PAYG

Pay-As-You-Go option available

5

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system and a 1-year warranty for the radio and torch.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	4 light points on high totaling 740 lumens and 6.2 W power	6.4 hours	3.2 hours
yes	included	Torch	88 lm torch (Li-ion battery: 1.9 Ah, 3.7 V)	14 hours	3.2 hours
yes	included	Radio	Portable radio (Li-ion battery: 0.64 Ah, 3.7 V), with a power consumption of 0.3 W while in use	47 hours	2.4 hours
no	not included	Smartphone	Smart phone (5.7 Wh battery)	3.6 full charge(s)	0.8 full charge(s)

Available daily electrical energy ^c (Wh/day)	28
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Performance measure	Brightness setting: Two bulbs, one tubelight (4m), one tubelight (8m), and one torch on "High"
Lighting full battery run time ^d for main unit (hours)	7.3
Lighting full battery run time of the torch powered by torch battery (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)	4960

^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)	Power consumption (W)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Tubelight (4m)	1	2	high	250	2.1	120	84	5800	Wide	100%
Tubelight (8m)	1	2	high	250	2.1	120	84	5800	Wide	100%
Bulb	2	2	high	120	1	120	85	6200	Wide	100%
Torch	1	2	high	88	1.3	59	69	6800	Narrow	97%

^e 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

PORTS			
1	USB 2.0 type A		Mobile phones, torches, and radios can be charged. Adapters are included.
4	Barrel jack		24 V ports available to power light points.
DURABILITY			
Overall durability and workmanship		Pass	
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests	
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.	
	PV module	Has protection from permanent outdoor exposure	
	Bulbs	Water ingress protection not tested, meant for indoor use only.	
	Torch	Has protection from occasional rain; met with appropriate warning label	
	Radio	Has protection from occasional rain; met with appropriate warning label	
SOLAR DETAILS			
PV module type		Polycrystalline silicon	
PV maximum power		10 watts	
PV rated power		12 watts	
PV open-circuit voltage (V _{OC})		6.6 volts	
MAIN UNIT BATTERY DETAILS			
Battery replaceability		Not easily replaceable with common tools.	
Specific Li-ion battery chemistry		lithium iron phosphate	
Battery package type		32700	
Battery capacity		11 Ah	
Rated Battery capacity		10 Ah	
Battery nominal voltage		3.2 V	
Battery status / other indicator lights		Three LED indicators show battery state of charge	
PRODUCT DETAILS			
Company name		d.light design Ltd.	
Brand Name		d.light	
Product name		Solar Home System	
Product model / ID number		D200	
Contact information		testing@dlight.com	
Website		www.dlight.com	
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.	
Mass		n/a	
SSS INFORMATION			
Specs sheet expiration date		March 31, 2026	
Revision		2025.02	