

Solar Lantern T200

T200

d.light design Ltd

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/dl-T200

Valid until: March 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
included in kit	Main lighting unit - torch	1 light point on high totaling 150 lumens and 1.9 W power	4.6 hours	2.1 hours
	Main lighting unit - tubelight	1 light point on high totaling 130 lumens and 1.9 W power	4.6 hours	--
sold separately	Smart phone	Smart phone (5.7 Wh battery)	1 full charge	0.53 full charges

Available daily electrical energy^c (Wh/day)

9

Performance measure

Brightness setting: high

Lighting full battery run time^d for main unit (hours)

4.6

Total lighting service (lumen-hours/solar-day)

690

(includes the both main lighting unit and any auxiliary lights included with the product)

^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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Solar Lantern T200	1	4	high - torch	150	79	75	6100	Narrow	100%
			high - tubelight	130	71	85	6900	Wide	100%

^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

SPECIAL FEATURES

multi-use



The solar lantern can be used as a torch or an ambient light.

PORTS

1

USB 2.0 type A



Mobile phones can be charged. Adapters are included.

DURABILITY

Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection.	
Level of water protection	Main Lighting Unit	Has protection from occasional rain; met with appropriate warning label
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	2.5 watts

BATTERY DETAILS

Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2.4 Ah
Battery nominal voltage	3.7 V
Battery status indication	--

MARKS AND CERTIFICATIONS

Factory certification	GB/T 19001-2016; ISO 9001:2015
-----------------------	--------------------------------

PRODUCT DETAILS

Manufacturer name	d.light design Ltd
Product name	Solar Lantern T200
Product model / ID number	T200
Contact information	testing@dlight.com
Website	www.dlight.com
Dimensions (entire product in package)	14 x 21 x 14 cm
Mass	570 g

SSS INFORMATION

Specs sheet expiration date	March 31, 2022
Quality standards framework version	2018
Revision	2019.09