

Lamp2Torch

Sinoware Technology Co. Limited
 Results based on test procedures detailed in
 IEC 62257-9-5 v.4

Verify online:
www.lightingglobal.org/products/sino-L2T
 Valid until: July 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 against defects in materials or workmanship

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	Integrated Main Lamp	1 array on Super totaling 450 lumens and 2.6 W	5.8 hours	3.5 hours
	Integrated Torch	1 array on torch setting, totaling 19 lumens and 0.79 W	19 hours	3.5 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	2.8 full charge(s)	0.9 full charge(s)

Available daily electrical energy^c (Wh/day) 15.5

Performance measure	Brightness setting: Main lamp on Super
Lighting full battery run time ^d for main unit (hours)	5.8
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	2600

^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)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated Main Lamp Super	1	4	Super	450	170	83	6300	Wide	100%
Integrated Torch Front	1	1	On	67	85	81	6000	Narrow	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

Multipurpose handle



Handle allows the lamp to serve as a desk lamp, room lamp, or hanging 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	Integrated Lighting Unit
	PV module
	Has protection from frequent rain; met IPX3
	Has protection from permanent outdoor exposure.

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	5.4 watts

BATTERY DETAILS

Battery replaceability	Easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery capacity	4600 mAh
Battery nominal voltage	3.7 V
Battery status indication	Lamp has meter that shows charging status and battery state of charge

MARKS AND CERTIFICATIONS

Factory certification	ISO 9001:2015
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PRODUCT DETAILS

Manufacturer name	Sinoware Technology Co. Limited
Product name	Lamp2Torch
Product model / ID number	--
Contact information	tommyhuang@sinoware.com.cn
Website	https://www.sinoware.com.cn/
Dimensions (entire product in package)	23.5 x 18.5 x 14 cm
Mass	1055

SSS INFORMATION

Specs sheet expiration date	July 31, 2022
Quality standards framework version	2020
Revision	2020.01