www.lightingglobal.org/products/sino-L2T Valid until. January 31, 2022

Sinoware Technology Co. Limited

Results based on test procedures detailed in IEC 62257-0-5 v.4



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging



Light point(s)





Run time after a typical day of solar charging

WARRANTY INFORMATION

A 2-year warranty against defects in materials or workmanship

PERFORMANCE DETAILS

			(assuming 5kWh/m²/day)		
	Appliance ^a	Description	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	
included in kit	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.

^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	сст ^а	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.

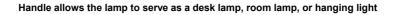
^b Without any other loads used during the run time

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

^f Color Rendering Index. An index of 100 is equivalent to vieiwing objects in daylight; above 80 is considered good.

⁹ 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 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.			
	Integrated Lighting Unit	Has protection from frequent rain; met IPX3			
Level of water protection	PV module	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			
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		January 31, 2022			
Quality standards framework version		2020			
Revision		2020.01			