

Sunshine Pico Lamp

Sun Co.

Results based on test procedures detailed in Lighting Global Solar Home System test method, IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/Sun-SunshinePico

Valid until: September 30, 2020



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug and play



WARRANTY INFORMATION

A two-year warranty covering manufacturing defects in the system and battery

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination
	Appliance ^a	Description		
included in kit	Main lighting unit	main lighting unit with one LED lamp totalling to 170 lumens	12 hours	9.5 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	15 full charge(s)	10 full charge(s)

Available daily electrical energy^c (Wh/day) 25

Performance measure	Brightness setting: Super
Lighting full battery run time ^d (hours)	14
Total light output in lumens	170

^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 above used in combination

^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 settings	Setting	Light output (lm)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Main Unit Lamp	3	Super	170	100	75	5550	Wide	>94%
		Dim	120	100	75	5561	Wide	--

^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

LEDs ★ UV-free LEDs are used to optimize health and safety as well as efficiency

Enclosure ★ Made from ABS plastic

Indicators ★ 3 LEDs to indicate battery state of charge

PORTS

2 5V USB Ports



Mobile charging is included with this product.

DURABILITY

Overall durability and workmanship	Pass
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection level IP3X met.
Level of water protection	Main Lighting Unit Has protection from frequent rain; met with IPX1 and technical protection

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	3.2 watts

BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2 Ah
Battery nominal voltage	3.7 V
Battery status indication	Three LEDs light up to indicate the battery charge status- red light means low battery, yellow means 50% battery life remaining, and green means charging.

MARKS AND CERTIFICATIONS

Factory certification	ISO 9001:2008
Safety certification	UL
Other certification	CE

PRODUCT DETAILS

Manufacturer name	Sun Co.
Product name	Sunshine Pico Lamp
Product model / ID number	123
Contact information	person@sunshinepico.com
Website	www.sunshine.com
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.
Weight	2000 g

SSS INFORMATION

Specs sheet expiration date	September 30, 2020
Quality standards framework version	2018
Revision	2018.09