## **Sunshine Pico Lamp**

WARRANTY INFORMATION

Sun Co.

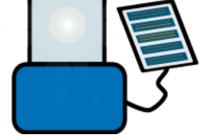
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Results based on test procedures detailed in Lighting Global Solar Home System test method, IEC 62257-9-5 v.4

	Meets the Lighting Global Pico-PV Quality Standards
	Mobile charging
1	Light point(s)
	Plug and play

## Valid until: September 30, 2020

www.lightingglobal.org/products/Sun-SunshinePico



two-year warranty covering manufacturing defects in the system and battery							
PERFORMANCE DETAILS							
				Run time after a solar ch	•• •		
	_			(assuming 5			
		Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination		
	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)		

Verify online:

Available daily electrical energy<sup>c</sup> (Wh/day) 25

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

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed above used in combination

<sup>d</sup> 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 (Im)	Lumen efficacy <sup>e</sup> (Im/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Main Unit Lamp	3	Super	170	100	75	5550	Wide	>94%
		Dim	120	100	75	5561	Wide	

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

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

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES				
LEDs 🔶	UV-free LEDs are used	d to optimize health and safety as well as efficiency		
Enclosure 🔶	Made from ABS plasti	c		
Indicators 🔶 🔶	3 LEDs to indicate bat	tery 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 packa	age)	Multiple packages. Contact manufacturer for more information.		
Weight		2000 g		
SSS INFORMATION				
Specs sheet expiration date		September 30, 2020		
Quality standards framework version	n	2018		
Revision		2018.09		