Starlight ONE Starlight ONE Niwa - Next Energy Products Ltd. Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online: https://data.verasol.org/products/sek/niwa-star Valid until: July 31, 2022



Meets the Lighting Global Pico-PV Quality Standards

Mobile charging

Light point(s)

Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system.

PERFORMANCE DETA	AILS			Run time after a typ charg	ing
	(assuming 5kWh/m²/day)				
		Appliance ^a	Description	Used alone ^b	Used in combination ^c
	ded kit	Main limbing cost	An integrated light on High with 150 lumens and 1.5 W.	2.7 hours	1 hours
	included in kit	Main lighting unit	An integrated light on Low with 9.5 lumens and 0.1 W	44 hours	
	sold separatel y	Smart Phone	Smart phone (5.7 Wh battery)	0.4 full charge(s)	0.2 full charge(s)
		Basic phone	Basic phone (3.7 Wh battery)	0.6 full charge(s)	

Available daily electrical energy^c (Wh/day)

2.8

Performance measure	Brightness setting: High	
Lighting full battery run time ^d for main unit (hours)	3.6	
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	400	

^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 (Im)	Lumen efficacy ^e (Im/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated Light 1		3	High	150	110	84	3900	Wide	99%
	1		Medium	66	120	84	3900		
			Low	9.5	120	85	3900		

^e Lumen efficacy is the power consumption at a light point during the light output test.

^fColor Rendering Index. An index of 100 is equivalent to viewing 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

LEDs UV-free LEDs PORIS I USB 2.0 type A Image: Constraint of the constraint of t	SPECIAL FEATURES					
1 USB 20 type A Image: Mobile phones can be charged. Adapters are included. DURABILITY Overall durability and workmanship Pass 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 permanent outdoor exposure. Met IP65. SOLAR DETAILS PV module Has protection from permanent outdoor exposure. PV module type Polycrystalline silicon PV PV maximum power 1.5 watts Strept performance Battery replaceability Not easily replaceable with common tools. Battery capacity Battery replaceability 1.5 Ah Battery capacity 1.5 Ah Battery nominal voltage 3.2 V Battery capacity 1.5 Ah Battery nominal voltage 3.2 V Battery capacity Example There is a red LED light to indicate the product is charging and a green LED to indicate the product is charging and a green LED to indicate the product is charging and a green LED to indicate the product is charging and a green LED to indicate the product is charging and a green LED to indicate the product is fully charged. PRODUCT DETAILS Manufacturer name Starlight ONE Contact information	LEDs 🔶	UV-free LEDs				
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