

Sun King Tube

SK-343
Greenlight Planet Inc.

Verify online:

<https://data.verasol.org/products/sek/glp-sktube>

Valid until: October 31, 2023

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	1 light point on (Turbo) totaling 420 lumens and 2.6 W power	6.1 hours	4.1 hours
no	included	Mobile phone	Basic phone (3.7 Wh battery)	3 full charge(s)	1 full charge(s)

Available daily electrical energy ^c (Wh/day)	15
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Performance measure	Brightness setting: Turbo
Lighting full battery run time ^d for main unit (hours)	6.1
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2560

^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)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Solar Tube Light	1	3	Turbo	420	160	82	6290	Wide	100%
			Normal	210	170	82	6280		

^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

PORTS		
1	USB 2.0 type A	 One USB port intended for mobile phone charging. Adapters are included.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		4.9 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium polymer
Battery package type		18650
Battery capacity		5.1 Ah
Battery nominal voltage		3.7 V
Battery status indication		Four digital LED meter displays the remaining battery power
PRODUCT DETAILS		
Manufacturer name		Greenlight Planet Inc.
Product name		Sun King Tube
Product model / ID number		SK-343
Contact information		sales@greenlightplanet.com
Website		www.greenlightplanet.com
Dimensions (entire product in package)		43 x 18 x 6.5 cm
Mass		1152 g
SSS INFORMATION		
Specs sheet expiration date		October 31, 2023
Revision		2021.1