

Sun King Torch

SK-781
Sun King

Verify online:
<https://data.verasol.org/products/sek/glp-Sk781>
Valid until: July 31, 2025

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

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
Turbo	LED on highest lighting setting consuming 3.3 W of power without the diffuser.	2.7 hours	270 lumens
Normal	LED on highest lighting setting consuming 1.0 W of power without the diffuser.	8.7 hours	not tested


Available daily electrical energy (Wh/day)	9
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Performance measure	Brightness setting: Turbo
Lighting full battery run time (hours)	2.9

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
SK781 integrated torch light	1	3	Turbo (without difusser)	270	80	73	7000	Narrow	99%
			Turbo (with difusser)	240	73	73	6900	Omnidirectional	

* Lumen efficacy is the power consumption at a light point during the light output test.
** Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.
*** Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)
**** Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES		
LEDs	<div></div>	UV-free LEDs are used to optimize health and safety as well as efficiency.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Physical ingress protection
Level of water protection	Solar Torch	Has protection from frequent rain; met IPX3
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium iron phosphate
Battery package type		18650
Battery capacity		2.6 Ah
Battery nominal voltage		3.7 V
Battery status/ other indicator lights		One indicator shows the charging status.
PRODUCT DETAILS		
Manufacturer name		Sun King
Product name		Sun King Torch
Product model / ID number		SK-781
Contact information		sales@sunking.com
Website		www.sunking.com
Dimensions (entire product in package)		3.4 x 3.4 x 14 cm
Mass		135 g
SSS INFORMATION		
Specs sheet expiration date		July 31, 2025
Revision		2025.04