

# Sun King Torch

SK-133

Greenlight Planet Inc.

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

[www.lightingglobal.org/products/glp-sk133](http://www.lightingglobal.org/products/glp-sk133)

Valid until: July 31, 2022



Meets the Lighting Global Pico-PV Quality Standards

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 <sup>2</sup> /day)	Total light output (lumens)
Turbo	LED on highest lighting setting consuming 3.3 W of power without the diffuser.	2.7 hours	267 lumens
Normal	LED on highest lighting setting consuming 1.0 W of power without the diffuser.	8.7 hours	not tested
Strobe	LED on highest lighting setting consuming 0.39 W of power without the diffuser.	23 hours	not tested

Available daily electrical energy (Wh/day)

9

## Performance measure

Brightness setting: Turbo

Lighting full battery run time (hours)

2.9

Total lighting service (lumen-hours/solar-day)

721

(includes the both main lighting unit and any lights with internal batteries included with the product)

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
SK133 integrated torch light	1	3	Turbo (without diffuser)	270	80	73	7000	Narrow	99%
			Turbo (with diffuser)	240	73	73	6900	Wide	

\* 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**  **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, Strain relief test, Physical ingress protection.	
Level of water protection	Solar torch	Has protection from frequent rain; met IPX3
	PV module	Has protection from permanent outdoor exposure

**SOLAR DETAILS**

PV module type	Polycrystalline silicon
PV maximum power	2.4 watts

**MAIN UNIT BATTERY DETAILS**

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2.6 Ah
Battery nominal voltage	3.7 V
Battery status indication	One indicator shows the charging status.

**MARKS AND CERTIFICATIONS**

Factory certification	--
Safety certification	--
Other certification	--

**PRODUCT DETAILS**

Manufacturer name	Greenlight Planet Inc.
Product name	Sun King Torch
Product model / ID number	SK-133
Contact information	care@greenlightplanet.com
Website	www.greenlightplanet.com
Co-brand of	--
Dimensions (entire product in package)	3.4 x 3.4 x 14 cm
Mass	135 g

**SSS INFORMATION**

Specs sheet expiration date	July 31, 2022
Quality standards framework version	2020
Revision	2020.07