Sun King Solo

Greenlight Planet Inc.

Results based on test procedures detailed in
IEC 62257-9-5, ed. 2.0

Solar Run Time

Lumens

51

Turbo

| 0 | 2 | 4 | 6 |
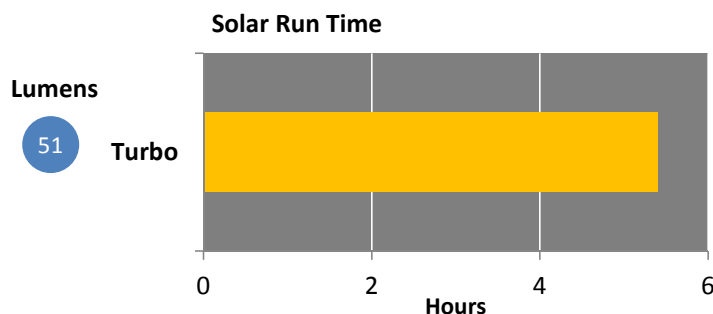
Hours

✓ **Meets Lighting Global Minimum Quality Standards**

1 Light Point

Warranty Information

A 1-year product warranty.

Performance Details

Performance Measure	Brightness Setting***
	Turbo
Full battery run time* (hours)	5.8
Run time per day of solar charging* (hours)	5.4
Total light output (lumens)	51
Total area with illumination > 25 lux** (m^2)	0.34
Total lighting service (lumen-hours / solar-day)	280

* 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.

** Total area with illumination > 25 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

*** Additional brightness settings (not tested): Torch, Lantern

Lighting Details

Lamp type	LED
Description of light points	Two LEDs; one LED used per setting
Colour characteristics	CRI 60 CCT "Near Daylight" (3000-5000 K)
Distribution type	Wide
Lumen maintenance	94% of the original output remains after 2,000 hours run time

Special Features

Hardware	Steel stand included
Task lighting	High-intensity "Torch" setting for task lighting
Charging indicator	Blinks 1 ("slow") to 5 ("fast") times to provide user feedback for better solar panel installation

Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from frequent rain

Solar Details

PV module type	Amorphous silicon
PV maximum power point	0.78 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Appropriate battery protection circuit	Pass

Replacement batteries, as well as replacement battery specifications, are available from the product manufacturer

Marks and Certifications

Factory certification	ISO 9001:2000

Product Details

Manufacturer name	Greenlight Planet Inc.
Product name	Sun King Solo
Product model / ID number	Sun King Solo
Contact information	sales@greenlightplanet.com
Website	www.greenlightplanet.com

SSS Information

Specs sheet expiration date	March, 2015
Minimum Quality Standards Framework Version	2012
Revision	2013.09