

Sun King Home 40Z

Greenlight Planet

Verify Online:

www.lightingglobal.org/products/glp-sk40Z

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

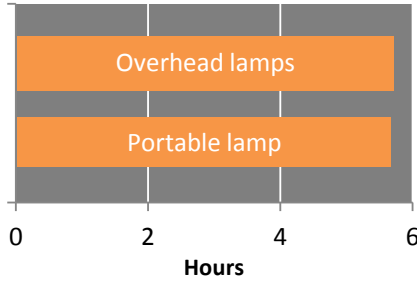
Valid Until: March 31, 2019

Lumens

Solar Run Time

240

Overhead Lamps and Portable Lamp on Turbo



Meets Lighting Global Quality Standards



Mobile Charging

3 Light Points

Warranty Information

A 2-year warranty covering manufacturing defects.

Performance Details

Performance Measure	Brightness Setting***	
	Overhead Lamps and Portable Lamp on Turbo	Overhead Lamps and Portable Lamp on Low
Full battery run time* (hours)	5 (Overhead Lamps) 4.7 (Portable Lamp)	68 (Overhead Lamps)
Run time per day of solar charging* (hours)	5 (Overhead Lamps) 4.7 (Portable Lamp)	61 (Overhead Lamps) 9.7 (Portable Lamp)
Total light output (lumens)	190 (Overhead Lamps) 45 (Portable Lamp)	22 (Overhead Lamps)
Total lighting service (lumen-hours / solar-day)	1200	--

* 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 > 50 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): Overhead Lamps Turbo, Overhead Lamps Low, Portable Lamp Turbo, Portable Lamp Low

Lighting Details

Lamp type	LED
Description of light points	Two LED's in each of two overhead lights and Two LED's in the portable lamp with frosted covers
Colour characteristics	CRI 72 CCT "Near Daylight" (3000-5000 K)
Distribution type	Wide
Lumen maintenance	100% of the original output remains after 2,000 hours run time

Special Features

Mobile Charging	No adapters included
Enclosure	Made from ABS plastic

Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. Protection from frequent rain (Main Unit) and protection from occasional rain (Portable Lamp).

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	4 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	26650 for Main Unit; 14500 for Portable lamp
Battery capacity	Main Unit: 3200 mAh; Portable Lamp 620 mAh
Battery nominal voltage	Main Unit: 3.3V; Portable Lamp: 3.3 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Factory certification	ISO 9001:2000, ISO14001:2004
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Product Details

Manufacturer name	Greenlight Planet
Product name	Sun King Home 40Z
Product model / ID number	SK-411
Contact information	sales@greenlightplanet.com
Website	www.greenlightplanet.com

SSS Information

Specs sheet expiration date	March 31, 2019
Quality Standards Framework Version	2017
Revision	2017.03