

Sun King Home 40Z

SK-410 / SK-411

Greenlight Planet

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

Verify online:

www.lightingglobal.org/products/glp-sk40z

Valid until: November 30, 2020



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
	Appliance ^a	Description		
included in kit	Overhead Lamp	2 light points on Turbo totaling 190 lumens and 1.6 W power	4.4 hours	3.6 hours
	Portable Lamp	1 light point on Turbo totaling 45 lumens and 0.37 W power	16.8 hours	3.6 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	2.5 full charge(s)	0.9 full charge(s)

Available daily electrical energy^c (Wh/day)

11

Performance measure	Brightness setting: Overhead Lamps and Portable Lamp on Turbo
Lighting full battery run time ^d for main unit (hours)	4.9
Lighting full battery run time portable lamp (hours)	4.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	1100

^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
Overhead Lamp	2	3	Turbo	95	120	72	4900	Wide	100%
Portable Lamp	1	3	Turbo	45	130	73	4800	Wide	98%

^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

SPECIAL FEATURES**Enclosure**

Made from ABS plastic

PAYG

The Sun King Home 40Z Easy Buy (SK-410) is Pay-As-You-Go enabled. The Sun King Home 40Z (SK-411) is the non-PAYG version.

PORTS

1

USB 2.0 type A



Portable Lamp and mobile phones can be charged.

2

Barrel jack



Two 9.2 V ports available for light points only.

DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Drop test, Strain relief test, physical ingress protection.

Level of water protection

Main Unit

Water ingress protection not tested, meant for indoor use only.

PV module

Has protection from permanent outdoor exposure; met

Portable Lamp

Has protection from occasional rain; met IPX1

SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

4 watts

BATTERY DETAILS

Battery replaceability

Not easily replaceable with common tools.

Battery chemistry

Lithium iron phosphate

Battery package type

26650 for Main Unit; 14500 for Portable Lamp

Battery capacity

3.2 Ah

Battery nominal voltage

3.3 V

Battery status indication

5 LEDs display the remaining battery power.

PRODUCT DETAILS

Manufacturer name

Greenlight Planet

Product name

Sun King Home 40Z

Product model / ID number

SK-410 / SK-411

Contact information

sales@greenlightplanet.com

Website

www.greenlightplanet.com

Dimensions (entire product in package)

20 x 19 x 12.5 cm

Mass

1530 g

SSS INFORMATION

Specs sheet expiration date

November 30, 2020

Quality standards framework version

2019

Revision

2019.08