### PERFORMANCE DETAILS

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<tr>
<th>Appliance*</th>
<th>Description</th>
<th>Run time after a typical day of solar charging (assuming 5kWh/m²/day)</th>
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<td><strong>Used alone</strong></td>
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<td>2 light points on Turbo totaling 190 lumens and 1.6 W power</td>
<td>4.4 hours</td>
</tr>
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<td>Portable Lamp</td>
<td>1 light point on Turbo totaling 45 lumens and 0.37 W power</td>
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<td>Basic phone (3.7 Wh battery)</td>
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**Available daily electrical energy** (Wh/day) **11**

### LIGHTING DETAILS

| Lamp name | Number of lamps | Number of settings | Setting | Light output (lm) | Lumen efficacy (lm/W) | CRI* | CCT* | Distribution type | Lumen maintenance*
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* Lumen efficacy is the power consumption at a light point during the light output test.

** Without any other loads used during the run time.

* Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

* 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.

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**WARRANTY INFORMATION**

A 2-year warranty covering manufacturing defects.

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**OVERVIEW**

Sun King Home 40Z

SK-410 / SK-411

Greenlight Planet

Meets the Lighting Global Pico-PV Quality Standards

- Mobile charging
- Pay-As-You-Go option available
- Light point(s)
- Plug-and-play

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**Available daily electrical energy** (Wh/day) **11**

**Lighting full battery run time**

- **Overhead Lamp**: 4.9 hours
- **Portable Lamp**: 4.6 hours
- **Total lighting service** (lumen-hours/solar-day) **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.

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* 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

- **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

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<th>Port</th>
<th>Connector</th>
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</tr>
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<td>1</td>
<td>USB 2.0 type A</td>
<td>Portable Lamp and mobile phones can be charged.</td>
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<tr>
<td>2</td>
<td>Barrel jack</td>
<td>Two 9.2 V ports available for light points only.</td>
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### DURABILITY

- **Overall durability and workmanship**: Pass
- **Durability tests passed**: Switch test, Drop test, Strain relief test, physical ingress protection.

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<th>Component</th>
<th>Water Protection</th>
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<td>Main Unit</td>
<td>Water ingress protection not tested, meant for indoor use only.</td>
</tr>
<tr>
<td>PV module</td>
<td>Has protection from permanent outdoor exposure; met</td>
</tr>
<tr>
<td>Portable Lamp</td>
<td>Has protection from occasional rain; met IPX1</td>
</tr>
</tbody>
</table>

### 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