

# SunBell Smart

## Bright Products

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

Verify online:

[www.lightingglobal.org/products/bp-sbsmart](http://www.lightingglobal.org/products/bp-sbsmart)

Valid until: January 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



### WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system.

### PERFORMANCE DETAILS

|                 |  |                        | Run time after a typical day of solar charging<br>(assuming 5kWh/m <sup>2</sup> /day) |                         |                                  |
|-----------------|--|------------------------|---|-------------------------|----------------------------------|
|                 |  | Appliance <sup>a</sup> | Description   | Used alone <sup>b</sup> | Used in combination <sup>c</sup> |
| included in kit |  | Solar Lamp             | 1 light point on high totaling 130 lumens and 1.1 W power                             | 4.4 hours               | 1.3 hours                        |
|                 |  | Smart Phone            | Smart phone (5.7 Wh battery)  | 0.5 full charge(s)      | 0.3 full charge(s)               |
| sold separately |  |                        |   |                         |                                  |

Available daily electrical energy<sup>c</sup> (Wh/day) 4.3

### Performance measure

Brightness setting: High

Lighting full battery run time<sup>d</sup> for main unit (hours)

6.4

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

570

*(includes the both main lighting unit and any auxiliary lights included with the product)*

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 <sup>e</sup> (lm/W) | CRI <sup>f</sup> | CCT <sup>g</sup> | Distribution type | Lumen maintenance <sup>h</sup> |
|------------|-----------------|--------------------|---------|-------------------|------------------------------------|------------------|------------------|-------------------|--------------------------------|
| Solar lamp | 1               | 3                  | High    | 130               | 110                                | 83               | 5200             | Wide              | 100%                           |

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

| SPECIAL FEATURES                       |   |  |
|--|---|--|
| Product housing                        | ★ UV resistant plastic  |  |
| Ingress protection                     | ★ Product meets IP64 (Has protection from dust and frequent rain)   |  |
| Special lamp shape                     | ★ The special shape of the lamp shade allows it to be used not only as a lamp shade but also as a lamp holder or as a Lo-Fi speaker for a mobile phone. |  |
| PORTS                                  |   |  |
| 1                                      | USB 2.0 type A  Mobile phones can be charged. Adapters are included.   |  |
| DURABILITY                             |   |  |
| Overall durability and workmanship     | Pass  |  |
| Durability tests passed                | Switch test, Drop test, Strain relief test, physical ingress protection.  |  |
| Level of water protection              | Solar Lamp  | has protection from frequent rain; met IPX4    |
|  | PV module   | Has protection from permanent outdoor exposure |
| SOLAR DETAILS                          |   |  |
| PV module type                         | Monocrystalline silicon   |  |
| PV maximum power                       | 1.8 watts   |  |
| BATTERY DETAILS                        |   |  |
| Battery replaceability                 | Not easily replaceable with common tools.   |  |
| Battery chemistry                      | Lithium-ion   |  |
| Battery package type                   | 18650   |  |
| Battery capacity                       | 2.3 Ah  |  |
| Battery nominal voltage                | 3.7 V   |  |
| Battery status indication              | The indicator shows charging and discharging conditions.  |  |
| MARKS AND CERTIFICATIONS               |   |  |
| Other certification                    | CE; RoHS  |  |
| PRODUCT DETAILS                        |   |  |
| Manufacturer name                      | Bright Products   |  |
| Product name                           | SunBell Smart   |  |
| Contact information                    | info@bright-products.com  |  |
| Website                                | http://bright-products.com/   |  |
| Dimensions (entire product in package) | 15 x 15 x 16 cm   |  |
| Mass                                   | 660 g   |  |
| SSS INFORMATION                        |   |  |
| Specs sheet expiration date            | January 31, 2022  |  |
| Quality standards framework version    | 2019  |  |
| Revision                               | 2020.01   |  |