

# SunBell 80

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Bright Products

Results based on test procedures detailed in

IEC 62257-9-5 v.4

Verify online:

<https://data.verasol.org/products/sek/bp-sunbell80>

Valid until: August 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 (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	Main lighting unit	1 light point on (High) totaling 150 lumens and 1.5 W power		3.5 hours	1.6 hours
sold separately	Mobile phone	Smart phone (5.7 Wh battery)		0.7 full charge(s)	0.4 full charge(s)

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

4

## Performance measure

Brightness setting: High

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

5.0

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

530

(includes the both main lighting unit and any lights with internal batteries 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 Powered Lamp	1	3	High (with Lampshade)	140	97	85	5150	Wide	99%
			High (without Lampshade)	150	104	84	5100	Wide	99%

<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

## POTS

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	Integrated Main Unit
	PV module

<b>SOLAR DETAILS</b>	
PV module type	Monocrystalline silicon
PV maximum power	1.8 watts
<b>MAIN UNIT BATTERY DETAILS</b>	
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	One LED indicator shows charging and discharging conditions.
<b>MARKS AND CERTIFICATIONS</b>	
Safety certification	RoHS 2
Other certification	CE
<b>PRODUCT DETAILS</b>	
Manufacturer name	Bright Products
Product name	SunBell 80
Product model / ID number	SunBell 80
Contact information	info@bright-products.com
Website	<a href="http://bright-products.com/">http://bright-products.com/</a>
Dimensions (entire product in package)	14.5 x 15 x 16 cm
Mass	640 g
<b>SSS INFORMATION</b>	
Specs sheet expiration date	August 31, 2022
Quality standards framework version	2021
Revision	2021.04