

Bright Start and Bright Start +

Bright Products

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

Verify online:

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

Valid until: May 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Light point

Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
High	0.31 W	4.6 hours	28 lumens
Medium	0.11 W	13 hours	--
Low	0.02 W	80 hours	--

Available daily electrical energy (Wh/day) 1.4

Performance measure

Brightness setting: High

Lighting full battery run time (hours)

4.6

Total lighting service (lumen-hours/solar-day)
(includes the both main lighting unit and any auxiliary lights included with the product)

130

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Integrated Light	1	3	High	28	92	85	5029	Wide	100%

* 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

The Bright Start + can be charged using a micro USB



DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

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

Level of water protection

Main Lighting Unit/
Integrated PV Module

Has protection from permanent outdoor exposure; met IP64

SOLAR DETAILS

PV module type

Monocrystalline silicon

PV maximum power

0.43 watts

BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	14430
Battery capacity	0.44 Ah
Battery nominal voltage	3.2 V
Battery status indication	One indicator for charging, One indicator for battery state of charge
MARKS AND CERTIFICATIONS	
Factory certification	ISO 14001:2015
Other certification	CE; ROHS
PRODUCT DETAILS	
Manufacturer name	Bright Products
Product name	Bright Start and Bright Start +
Product model / ID number	--
Contact information	info@bright-products.com
Website	http://bright-products.com/
Dimensions (entire product in package)	7.5 x 11.1 x 3 cm
Mass	115 g
SSS INFORMATION	
Specs sheet expiration date	May 31, 2022
Quality standards framework version	2019
Revision	2019.12