

Bright Start and Bright Start +

Bright Products

Verify online:

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

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

Valid until: December 31, 2023



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

1

Light point(s)



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	1 LED on High, 0.31 W power	4.6 hours	28 lumens
Medium	1 LED on Medium, 0.11 W power	13 hours	--
Low	1 LED on Low, 0.02 W power	80 hours	--

Available daily electrical energy (Wh/day)	1.4
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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 lights with internal batteries 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	5000	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**Bright Start +****The Bright Start + can be charged using a micro USB.****DURABILITY**

Overall durability and workmanship	Pass
Durability tests passed	Switch test, Drop test, Physical ingress protection; met IP6X
Level of water protection	Main Unit with Integrated PV Module Has protection from permanent outdoor exposure; met IPX4

SOLAR DETAILS

PV module type	Monocrystalline silicon
PV maximum power	0.43 watts

MAIN UNIT 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/ other indicator lights	One indicator for charging, one indicator for battery state of charge.

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 x 3 cm
Mass	11.5 g

SSS INFORMATION

Specs sheet expiration date	December 31, 2023
Revision	2022.07