

Villageboom High Power

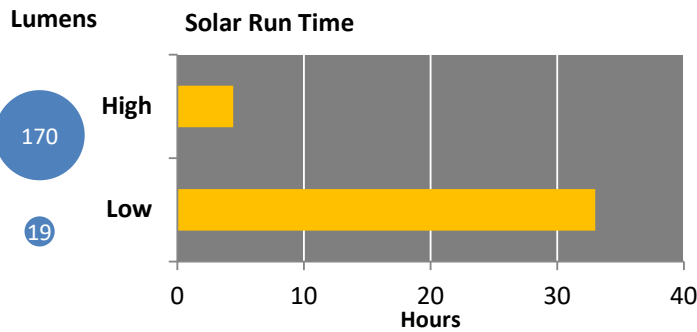
Villageboom Gmbh




Results based on test procedures detailed in IEC 62257-9-5, ed. 2.0

Verify Online:

www.lightingglobal.org/products/vb-vbh

Valid Until: October 31, 2018



-  Meets Lighting Global Quality Standards
-  Mobile Charging
-  1 Light Point

Warranty Information

A 1-year warranty covering manufacturing defects.

Performance Details

Performance Measure	Brightness Setting***	
	High	Low
Full battery run time* (hours)	4.3	33
Run time per day of solar charging* (hours)	4.4	33
Total light output (lumens)	170	19
Total area with illumination > 50 lux** (m ²)	0.9	--
Total lighting service (lumen-hours / solar-day)	750	630

* 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.

** Total area with illumination > 50 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

*** Additional brightness settings (not tested): Medium

Lighting Details

Lamp type	LED
Description of light points	4 LEDs in each front panel with transparent cover, 3 LEDs in side panel with spotlight cover.
Colour characteristics	CRI 66 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	97% of the original output remains after 2,000 hours run time

Special Features

Mobile Charging	Can charge phone from solar panel or from battery
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Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from occasional rain

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	4 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2600 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Safety certification	IEC 62147:2006
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Product Details

Manufacturer name	Villageboom Gmbh
Product name	Villageboom High Power
Product model / ID number	VB-012
Contact information	ricke@villageboom.com
Website	www.villageboom.com

SSS Information

Specs sheet expiration date	October 31, 2018
Quality Standards Framework Version	2016
Revision	2016.02