

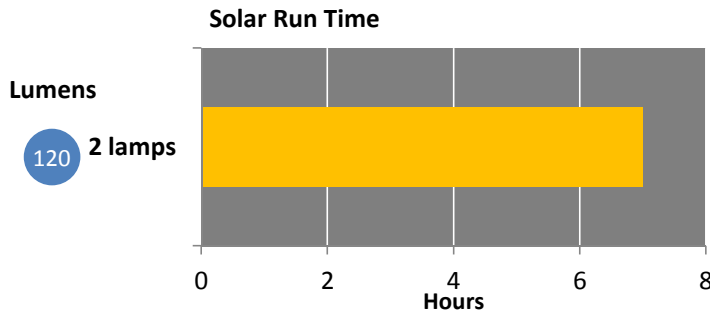
Barefoot PowaPack Junior Matrix (Gen. 2.5)

Barefoot Power

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

Verify Online: www.lightingglobal.org/specs/bf-jrmatrixg25

Valid Until: July, 2014



Meets Lighting Global Minimum
Quality Standards



Mobile Charging

2

Light Points



Warranty Information

A 1-year warranty for replacement of defective parts.

Performance Details

Performance Measure	Brightness Setting***
	2 lamps
Full battery run time* (hours)	9.2
Run time per day of solar charging* (hours)	7
Total light output (lumens)	120
Total area with illumination > 25 lux** (m ²)	0.58
Total lighting service (lumen-hours / solar-day)	840

* 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 > 25 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): 1 lamp

Lighting Details

Lamp type	LED
Description of light points	Identical light points; 12 LEDs per light point
Colour characteristics	CRI 72 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	101% of the original output remains after 2,000 hours run time

Special Features

Mobile charging	Adapters included to charge mobile phone from battery
Radio	6V power output available

Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, physical ingress protection test, and no water ingress protection

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	2.6 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Appropriate battery protection circuit	Pass
Replacement batteries are available from the product manufacturer	

Marks and Certifications

Other certification	UNBS, KEBS
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Product Details

Manufacturer name	Barefoot Power
Product name	Barefoot PowaPack Junior Matrix (Gen. 2.5)
Product model / ID number	VLP11SPJ2LI1
Contact information	info@barefootpower.com
Website	www.barefootpower.com

SSS Information

Specs sheet expiration date	July, 2014
Minimum Quality Standards Framework Version	2012
Revision	2013.09