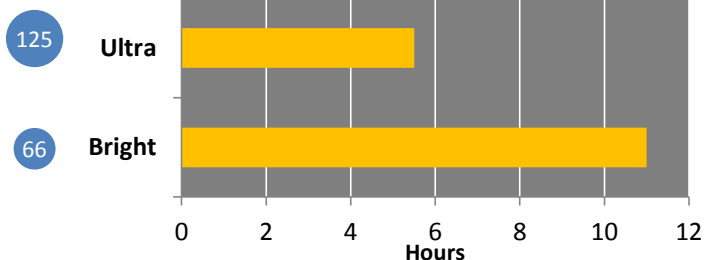# Go 250

Barefoot Power

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

Verify Online: www.lightingglobal.org/products/bfp-go250

Valid Until: May 2016

Lumens

Solar Run Time

125 **Ultra**

66 **Bright**

0 2 4 6 8 10 12
Hours

✔ Meets Lighting Global Minimum Quality Standards

📱 Mobile Charging

1 Light Point

Warranty Information

A 2-year warranty covering manufacturing defects

Performance Details

Performance Measure	Brightness Setting***	
	Ultra	Bright
Full battery run time* (hours)	5.7	14
Run time per day of solar charging* (hours)	5.5	11
Total light output (lumens)	125	66
Total area with illumination > 25 lux** (m^2)	0.22	0.11
Total lighting service (lumen-hours / solar-day)	690	730

* 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): Night light

Lighting Details

Lamp type	LED
Description of light points	20 LEDs per light point
Colour characteristics	CRI 71 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	Adapters included to charge mobile phone from battery

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 occassional rain

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	2.7 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	Single cell
Battery capacity	3400 mAh
Battery nominal voltage	3.2 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Factory certification	--
Safety certification	--
Other certification	--

Product Details

Manufacturer name	Barefoot Power
Product name	Go 250
Product model / ID number	250
Contact information	info@barefootpower.com
Website	http://www.barefootpower.com/

SSS Information

Specs sheet expiration date	May 2016
Minimum Quality Standards Framework Version	2014
Revision	2014.05