

Fosera Mobile One

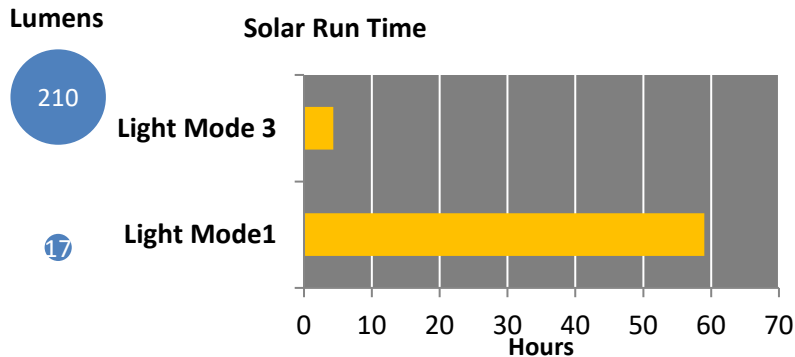
fosera Group

Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

Verify Online:

www.lightingglobal.org/products/fs-mob1

Valid Until: January 31, 2021



Meets Lighting Global Quality Standards

Mobile Charging

1 Light Point

Warranty Information

A 3-year warranty covering defects in material or workmanship in the product and the battery.

Performance Details

Performance Measure	Brightness Setting**	
	Light Mode 3	Light Mode 1
Full battery run time* (hours)	4.9	64
Run time per day of solar charging* (hours)	4.3	59
Total light output (lumens)	210	17
Total lighting service (lumen-hours / solar-day)	900	1000

* 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.

** Additional brightness settings (not tested): Light Mode 2

Lighting Details

Lamp type	LED
Description of light points	Six LEDs are circularly arranged in the array with a translucent cover
Colour characteristics	CRI 84 CCT "Daylight" (>5000 K)
Distribution type	Wide
Lumen maintenance	96% of the original output remains after 2,000 hours run time

Special Features

Mobile charge	Adapters are provided by the customer
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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. Protection from occasional rain; met with IPX1.

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	2.6 watts

Battery Details

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	26650
Battery capacity	3200 mAh
Battery nominal voltage	3.25 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Factory certification	ISO 9001:2015
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Product Details

Manufacturer name	fosera Group
Product name	Fosera Mobile One
Product model / ID number	--
Contact information	sales@fosera.com
Website	www.fosera.com

SSS Information

Specs sheet expiration date	January 31, 2021
Quality Standards Framework Version	2019
Revision	2019.01