

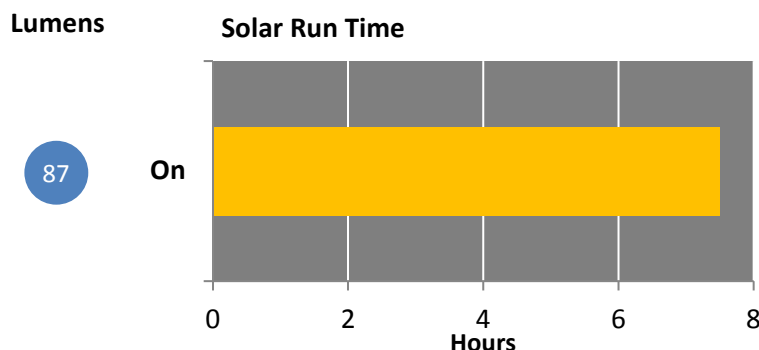
# Pico Solar Home System 2800

fosera Group

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

Verify [www.lightingglobal.org/products/fs-pshs2800](http://www.lightingglobal.org/products/fs-pshs2800)

Valid Until: February 28, 2017



**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 a 2-year warranty for the battery.

## Performance Details

Performance Measure	Brightness Setting
	On
Full battery run time* (hours)	13
Run time per day of solar charging* (hours)	7.5
Total light output (lumens)	87
Total area with illumination > 50 lux** (m <sup>2</sup> )	0.11
Total lighting service (lumen-hours / solar-day)	650

\* 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.

## Lighting Details

Lamp type	LED
Description of light points	4 LEDs per light point
Colour characteristics	CRI 85 CCT "Cool" (5100K)
Distribution type	Wide
Lumen maintenance	99% of the original output remains after 2,000 hours run time

Special Features	
Mobile charging	Includes USB port for mobile charging.
Indicators	Four LEDs to indicate battery state of charge and one LED to indicate solar charging.
Optional night light function	Can be activated.
Optional radio	FM/MW/SW band radio with AUX-IN input

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

Solar Details	
PV module type	Polycrystalline silicon
PV maximum power point	1.8 watts

Battery Details	
Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	custom
Battery capacity	3100 mAh
Battery nominal voltage	3.2 V
Appropriate battery protection circuit	Pass

Marks and Certifications	
Other certification	CE

Product Details	
Manufacturer name	fosera Group
Product name	Pico Solar Home System 2800
Product model / ID number	PSHS 2800
Contact information	info@fosera.com
Website	www.fosera.com

SSS Information	
Specs sheet expiration date	February 28, 2017
Quality Standards Framework Version	2015
Revision	2015.04