

# SM100 Solar Light

SM100

Namene Solar Light Company

Results based on test procedures detailed in IEC 62257-9-5 ed.4

Verify online:

[www.lightingglobal.org/products/yl-sm100](http://www.lightingglobal.org/products/yl-sm100)

Valid until March 31, 2021



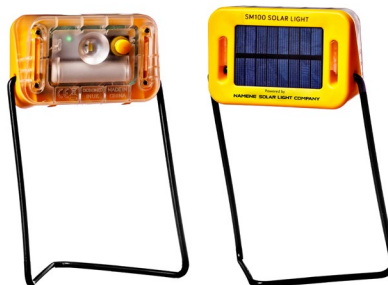
Meets the Lighting Global Pico-PV Quality Standards

1

Light point



Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system.

## PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	Total light output (lumens)
High	One LED on the brightest setting.	5.1 hours	34 lumens
Low	One LED on the lowest setting.	16 hours	13 lumens

Available daily electrical energy (Wh/day) 1.1

## Performance measure

### Brightness setting: High

Lighting full battery run time (hours)

8.8

Total lighting service (lumen-hours/ solar day)

170

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Solar Light	1	2	High	34	160	82	5112	Wide	101%
			Low	13	160	74	5100	Wide	101%

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

## SPECIAL FEATURES

### Metal Stand



Stand can be used to hold or hang the lantern

## DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Drop test, Strain relief test, and physical ingress protection level met with IP4X.

Level of water protection

Main Lighting Unit

Has protection from frequent rain; met IPX4

## SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

0.28 watts

**BATTERY DETAILS**

Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium iron phosphate
Battery package type	AA (HR6/14500)
Battery capacity	0.49 Ah
Battery nominal voltage	3.2 V
Battery status indication	When the light is being charged, the indicator will turn green.

**PRODUCT DETAILS**

Manufacturer name	Namene Solar Light Company
Product name	SM100 Solar Light
Product model / ID number	SM100
Contact information	massimo.lisanti@namenensolarlight.com
Website	www.namenensolarlight.com
Dimensions (entire product in package)	9 x 9 x 3 cm
Mass	125 g

**SSS INFORMATION**

Specs sheet expiration date	March 31, 2021
Quality standards framework version	2019
Revision	2019.10