

# Mobiya Lite

AEP-LL01-S1000

Schneider Electric Industries SAS

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

Verify online:

<https://data.verasol.org/products/sek/se-myalite>

Valid until: June 30, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

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

## PERFORMANCE DETAILS

		Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)			
		Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
included in kit	Integrated lamp		1 light point on high totaling 110 lumens and 0.8 W power	6 hours	2.6 hours
	Mobile phone		Basic phone (3.7 Wh battery)	1 full charge(s)	0.6 full charge(s)
sold separately	Mobile phone		Basic phone (3.7 Wh battery)	1 full charge(s)	0.6 full charge(s)
	Integrated lamp		1 light point on high totaling 110 lumens and 0.8 W power	6 hours	2.6 hours

Available daily electrical energy<sup>c</sup> (Wh/day)

5

## Performance measure

Brightness setting: high

Lighting full battery run time<sup>d</sup> for main unit (hours)

6

Total lighting service (lumen-hours/solar-day)

660

(includes the both main lighting unit and any auxiliary lights included with the product)

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> Lighting full battery 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.

## 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>
Integrated lamp	1	5	High	110	140	74	5000	Wide	98%

<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****Mounting****The lamp has a handle with a hole and a hook that can be mounted in multiple ways.****PORTS**

1

**USB 2.0 type A**

Mobile phones can be charged. Adapters are included.

**DURABILITY**

Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection.	
Level of water protection	Integrated lamp	has protection from frequent rain; met IPX4
	PV module	Has protection from permanent outdoor exposure.

**SOLAR DETAILS**

PV module type	Polycrystalline silicon
PV maximum power	1.7 watts

**BATTERY DETAILS**

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	18650
Battery capacity	1.6 Ah
Battery nominal voltage	3.2 V
Battery status indication	The indicator shows charging and discharging conditions.

**MARKS AND CERTIFICATIONS**

Factory certification	ISO9001:2015
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**PRODUCT DETAILS**

Manufacturer name	Schneider Electric Industries SAS
Product name	Mobiya Lite
Product model / ID number	AEP-LL01-S1000
Contact information	prashanth.nagaraja@se.com
Website	www.se.com
Dimensions (entire product in package)	13.5 x 7 x 17.3 cm
Mass	489 g

**SSS INFORMATION**

Specs sheet expiration date	June 30, 2022
Quality standards framework version	2019
Revision	2019.12