

Multi-Functional Solar Lamp with Mobile Phone Charger

SUNLITE # CL-16 MOB (UPG)
India Impex (Sunlite)

Verify online:

<https://data.verasol.org/products/sek/ii-cl16mob>

Results based on test procedures detailed in IEC TS 62257-9-5

Valid until: January 31, 2026



Meets the Requirements in IEC TS 62257-9-8:2020 for Size A kits



Mobile charging

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	2 light point on high in Dual Mode totaling 240 lm and 2.0 W power	4.7 hours	2.7 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	1.6 full charge(s)	0.69 full charge(s)

Available daily electrical energy ^e (Wh/day)	8.3
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Performance measure	Brightness setting: dual
Lighting full battery run time ^d for main unit (hours)	5
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1500

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

^b Without any other loads used during the run time

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

^d 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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated Light	2	3	dual	240	120	82	4100	Wide	99%
			high	190	130	82	4100	Wide	101%
Integrated Torch	1	1	on	75	90	82	5900	Narrow	101%


^e Lumen efficacy is the power consumption at a light point during the light output test.

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

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

^h Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES		
Constant Light	★	The product provides a constant light output and turns off when reaching its low voltage disconnect
Durable Battery	★	Less than 2% capacity loss observed after battery storage test
PV Orientation Indicator	★	The Yellow LED indicator signifies charging to aid in PV orientation to help the user position the panel optimally
External Battery Replaceability	★	Battery can be easily replaced post-warranty without opening the product
Recycled Plastic	★	The entire plastic casing of the lamp is made with 100% recycled Polycarbonate plastic
Recycled Packaging	★	Made from recycled material, with no single-use plastic
Usage	★	Can be used by hanging, wall-mount, table-top, hand-held and/or hands-free

PORTS		
2	USB 2.0 type A	 Mobile phones and radios 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	Main Unit	Has protection from occasional rain; met IPX1
	Portable Lantern	Has protection from ; met

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	2.8 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium-ion
Specific Li-ion battery chemistry	lithium nickel manganese cobalt oxide
Battery package type	18650
Battery capacity	2.6 Ah
Battery nominal voltage	3.7 V
Battery status/ other indicator lights	One indicator for PV charging and one indicator for battery status

PRODUCT DETAILS	
Manufacturer name	India Impex (Sunlite)
Product name	Multi-Functional Solar Lamp with Mobile Phone Charger
Product model / ID number	SUNLITE # CL-16 MOB (UPG)
Contact information	sagar@sunlite-solar.com
Dimensions (entire product in package)	22.1 x 15.3 x 5.1 cm
Mass	675 g

SSS INFORMATION	
Specs sheet expiration date	January 31, 2026
Revision	2024.01