

PackLite Max 2-in-1 Power Lantern

PLMXC
LuminAID Lab, LLC

Verify online:
<https://data.verasol.org/products/sek/la-plm>
Valid until: September 30, 2022

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



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 1-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
no	included	Main lighting unit	1 light point on turbo totaling 140 lumens and 1.6 W power	1.7 hours	0.73 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	0.32 full charge(s)	0.18 full charge(s)

Available daily electrical energy ^c (Wh/day)	2
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Performance measure	Brightness setting: Turbo
Lighting full battery run time ^d for main unit (hours)	3.7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	240

^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	1	4	Turbo	140	86	81	6500	Omnidirectional	100%

^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

PORTS		
1	USB 2.0 type A	 Mobile phones and other USB devices can be charged.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Physical ingress protection (met IP6X)
Level of water protection	Main Unit with Integrated PV Module	Has protection from permanent outdoor exposure (met IPX7)
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		0.82 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium-ion
Battery package type		436060
Battery capacity		2.1 Ah
Battery nominal voltage		3.7 V
Battery status indication		One indicator for PV charging status, and four indicators for battery state of charge.
PRODUCT DETAILS		
Manufacturer name		LuminAID Lab, LLC
Product name		PackLite Max 2-in-1 Power Lantern
Product model / ID number		PLMXC
Contact information		info@luminaid.com
Website		https://luminaid.com/
Dimensions (entire product in package)		15 x 15 x 15 cm
Mass		240 g
SSS INFORMATION		
Specs sheet expiration date		September 30, 2022
Revision		2022.02