PackLite Max 2-in-1 Power Lantern

PLMXC
LuminAID Lab, LLC

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

Verify online:
https://data.verasol.org/products/sek/la-plm
Valid until: March 31, 2023

✔ **Meets the Lighting Global Pico-PV Quality Standards**

Mobile charging

1 **Light point(s)**

▶ **Plug-and-play**

WARRANTY INFORMATION

A 1-year warrranty 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

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	March 31, 2023
Revision	2022.09