

# PackLite NovaUSB/ PackLite Nova

PLNVB / PLNV  
LuminAID Lab, LLC

Verify online:

<https://data.verasol.org/products/sek/la-nova>

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

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 1-year warranty covering manufacturing defects.

## PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	Total light output (lumens)
Turbo	All LEDs are operated at turbo mode.	2.4 hours	92 lumens
High	All LEDs are operated at high mode.	3.6 hours	63 lumens
Medium	All LEDs are operated at medium mode.	7 hours	not tested
Low	All LEDs are operated at low mode.	13 hours	not tested
Flashing	All LEDs are operated at flashing mode.	26 hours	not tested

Available daily electrical energy (Wh/day)

2

Performance measure	Brightness setting: Turbo
Lighting full battery run time (hours)	2.4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	220

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Integrated lamp	1	5	Turbo	92	130	81	6400	Omnidirectional	98%

\* Lumen efficacy is the power consumption at a light point during the light output test.

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

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

\*\*\*\* Percent of the original light output that remains after 2,000 hours of run time

**SPECIAL FEATURES****Differences between PLNVB and PLNV**

The PLNVB has a micro USB port for charging the product.  
 The PLNV does not have a USB port for charging the product.

**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	0.55 watts

**MAIN UNIT BATTERY DETAILS**

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	374952
Battery capacity	1.1 Ah
Battery nominal voltage	3.7 V
Battery status indication	Four indicators for battery level and one indicator for PV charging.

**PRODUCT DETAILS**

Manufacturer name	LuminAID Lab, LLC
Product name	PackLite NovaUSB/ PackLite Nova
Product model / ID number	PLNVB / PLNV
Contact information	info@luminaid.com
Website	https://luminaid.com/
Dimensions (entire product in package)	17 x 21 x 1 cm
Mass	170 g

**SSS INFORMATION**

Specs sheet expiration date	September 30, 2022
Revision	2022.02