

PackLite NovaUSB/ PackLite Nova

PLNVB / PLNV
LuminAID Lab, LLC

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

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 ² /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)

220

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

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		March 31, 2023
Revision		2022.09