

# NL3-1000

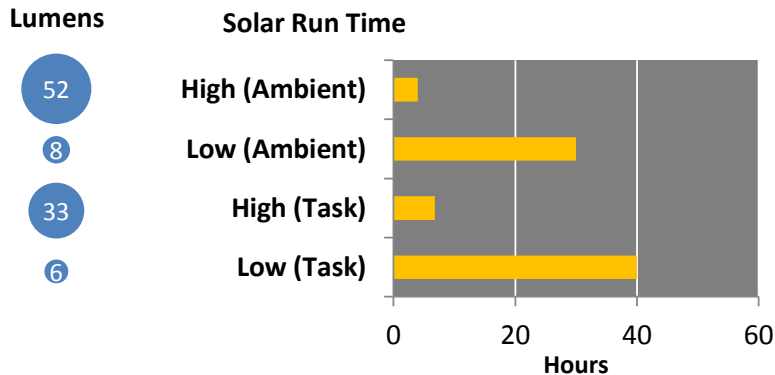
Nuru Energy

Results based on test procedures detailed in IEC 62257-9-5, ed. 2.0

Verify Online:

[www.lightingglobal.org/products/nuru-nl31000](http://www.lightingglobal.org/products/nuru-nl31000)

Valid Until: March 31, 2017



Meets Lighting Global Quality Standards

Mobile Charging

1 Light Point

## Warranty Information

A 1-year warranty covering defects in materials and manufacturing

## Performance Details

Performance Measure	Brightness Setting***			
	High (Ambient)	Low (Ambient)	High (Task)	Low (Task)
Full battery run time* (hours)	4.3	30	6.8	41
Run time per day of solar charging* (hours)	4.0	30	6.8	40
Total light output (lumens)	52	8.0	33	6.0
Total area with illumination > 50 lux** (m <sup>2</sup> )	0.0	--	0.16	--
Total lighting service (lumen-hours / solar-day)	210	240	220	240

\* 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.

\*\* Total area with illumination > 50 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

\*\*\* Additional brightness settings (not tested): Medium (Ambient), Medium (Task)

## Lighting Details

Lamp type	LED
Description of light points	A single light point that contains two LED arrays: 1 LED used as a headlamp, and 2 LEDs used for ambient lighting
Colour characteristics	CRI 74 CCT "Near Daylight" (3000-5000 K)
Distribution type	Wide
Lumen maintenance	100% of the original output remains after 2,000 hours run time

<b>Special Features</b>	
Mobile charging	Adapters included to charge mobile phone from battery
<b>Durability</b>	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from occasional rain
<b>Solar Details</b>	
PV module type	Monocrystalline silicon
PV maximum power point	1.6 watts
<b>Battery Details</b>	
Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	1850 cell
Battery capacity	1000 mAh
Battery nominal voltage	3.2 V
Appropriate battery protection circuit	Pass
<b>Marks and Certifications</b>	
Factory certification	ISO 9001:2008
<b>Product Details</b>	
Manufacturer name	Nuru Energy
Product name	NL3-1000
Product model / ID number	--
Contact information	stremeer@nuruenergy.com
Website	www.nuruenergy.com
<b>SSS Information</b>	
Specs sheet expiration date	March 31, 2017
Quality Standards Framework Version	2015
Revision	2015.04