

LED Lantern—2W

Minda NexGen Tech Ltd.

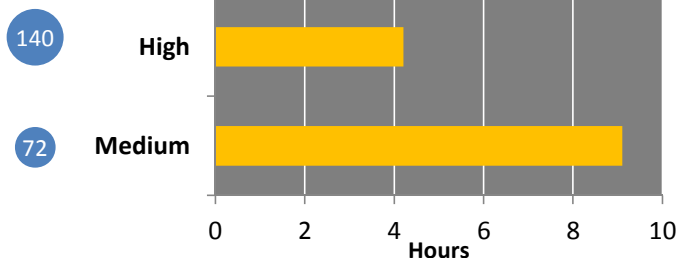
Results based on test procedures detailed in
IEC 62257-9-5, ed. 2.0

Verify Online: [www.lightingglobal.org/products/
mda-2wlantern](http://www.lightingglobal.org/products/mda-2wlantern)

Valid Until: July, 2014

Lumens

Solar Run Time



Meets Lighting Global Minimum
Quality Standards

1

Light Point



Warranty Information

A 6-month warranty for the battery and 1-year warranty for the electronics.

Performance Details

Performance Measure	Brightness Setting***	
	High	Medium
Full battery run time* (hours)	15	32
Run time per day of solar charging* (hours)	4.2	9.1
Total light output (lumens)	140	72
Total area with illumination > 25 lux** (m ²)	0.15	0.1
Total lighting service (lumen-hours / solar-day)	590	660

* 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 > 25 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): Low

Lighting Details

Lamp type	LED
Description of light points	Single column containing 18 LEDs
Colour characteristics	CRI 74 CCT "Cool" (5000-7000 K)
Distribution type	Omnidirectional
Lumen maintenance	97% of the original output remains after 2,000 hours run time

Special Features	
Grid charging (optional)	Grid charging adapter not included, but available
Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, physical ingress protection test, and protection from occasional rain
Solar Details	
PV module type	Monocrystalline silicon
PV maximum power point	3 watts
Battery Details	
Battery replaceability	Easily replaceable with common tools
Battery chemistry	Sealed lead-acid
Battery package type	--
Battery capacity	4700 mAh
Battery nominal voltage	6 V
Appropriate battery protection circuit	Pass
Product Details	
Manufacturer name	Minda NexGen Tech Ltd.
Product name	LED Lantern – 2W
Product model / ID number	MNGTL-11B1
Contact information	awalia@mindagroup.com
Website	www.mindanexgentech.com
SSS Information	
Specs sheet expiration date	July, 2014
Minimum Quality Standards Framework Version	2012
Revision	2014.01