

EMEL G3 Solar Power Lantern

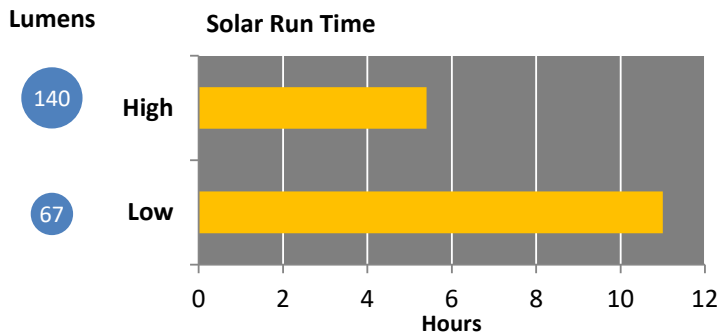
Emel Solar Solutions Limited

Verify Online:

www.lightingglobal.org/products/ri-g3l

Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

Valid Until: April 30, 2020



Meets Lighting Global Quality Standards



Mobile Charging



Light Point

Warranty Information

A 1-year warranty covering manufacturing defects.

Performance Details

Performance Measure	Brightness Setting	
	High	Low
Full battery run time* (hours)	7.9	17
Run time per day of solar charging* (hours)	5.4	11
Total light output (lumens)	140	67
Total lighting service (lumen-hours / solar-day)	760	740

* 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 type	LED
Description of light points	15 LEDs on PCB with a frosted cover inside the lantern
Colour characteristics	CRI 76 CCT "Daylight" (> 5000 K)
Distribution type	Omnidirectional
Lumen maintenance	98% of the original output remains after 2,000 hours run time

Special Features

Mobile charging	Adapters included to charge mobile phone from battery
Radio	Built-in FM radio, speaker and earphone socket

Durability

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

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	3.0 watts

Battery Details

Battery replaceability	Easily replaceable with common tools. Warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	2x 18650 cylindrical cells
Battery capacity	3900 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

Marks and Certifications

Factory certification	ISO 9001:2015, ISO 14001:2015
Other certification	In compliance with IEC 60598-2-4:1997 and IEC 60598-1:2008

Product Details

Manufacturer name	Emel Solar Solutions Limited
Product name	EMEL G3 Solar Power Lantern
Product model / ID number	RNG3
Contact information	ayodeji@a4tintegrated.com
Website	http://www.a4tintegrated.com/
Co-brand of	G3 Solar Power Lantern, Renewit Solar Limited

SSS Information

Specs sheet expiration date	April 30, 2020
Quality Standards Framework Version	2016
Revision	2016.01