

# Radiance Solar Lantern

Freeplay Energy

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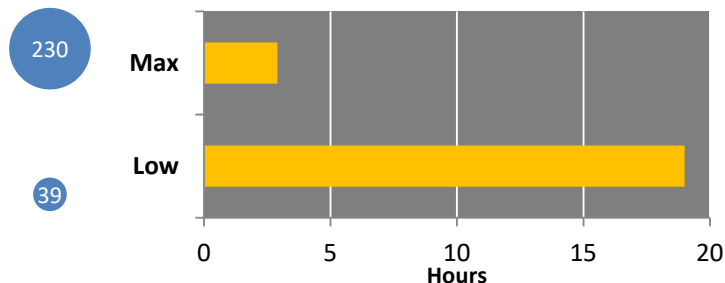
[www.lightingglobal.org/products/fe-rsl2](http://www.lightingglobal.org/products/fe-rsl2)

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

Valid Until: March 31, 2019

Lumens

Solar Run Time



Meets Lighting Global Quality Standards



Mobile Charging



1 Light Point

## Warranty Information

A 1-year warranty covering manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting***	
	Max	Low
Full battery run time* (hours)	9.4	66
Run time per day of solar charging* (hours)	2.9	19
Total light output (lumens)	230	39
Total area with illumination > 50 lux** (m <sup>2</sup> )	--	--
Total lighting service (lumen-hours / solar-day)	670	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.

\*\* 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

## Lighting Details

Lamp type	LED
Description of light points	12 LEDs are arranged as a column within a frosted enclosure
Colour characteristics	CRI 86 CCT "Daylight" (>5000 K)
Distribution type	Omnidirectional
Lumen maintenance	100% of the original output remains after 2,000 hours run time

## Special Features

Mobile charging	Adapters included to charge mobile phone from battery
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**Durability**

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. Protection from frequent rain; met by IPX3.

**Solar Details**

PV module type	Polycrystalline silicon
PV maximum power point	2 watts

**Battery Details**

Battery replaceability	Easily replaceable with common tools, but attempting replacement will void warranty.
Battery chemistry	Lithium-ion
Battery package type	2 x 18650
Battery capacity	4900 mAh
Battery nominal voltage	3.7 V
Appropriate battery protection circuit	Pass

**Product Details**

Manufacturer name	Freeplay Energy
Product name	Radiance Solar Lantern
Product model / ID number	RSL2
Contact information	vjenkins@freeplayenergy.com
Website	www.freeplayenergy.com

**SSS Information**

Specs sheet expiration date	March 31, 2019
Quality Standards Framework Version	2016
Revision	2016.10