

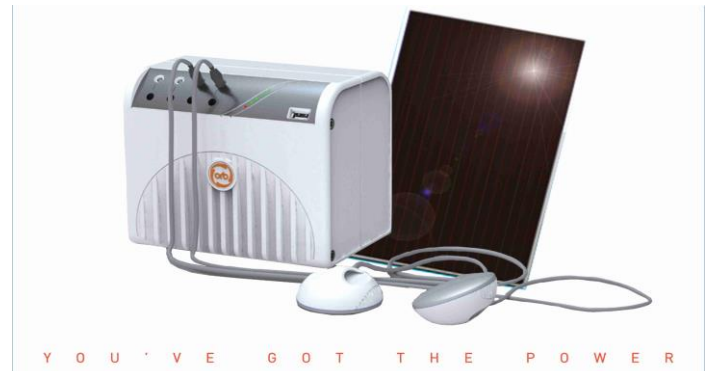
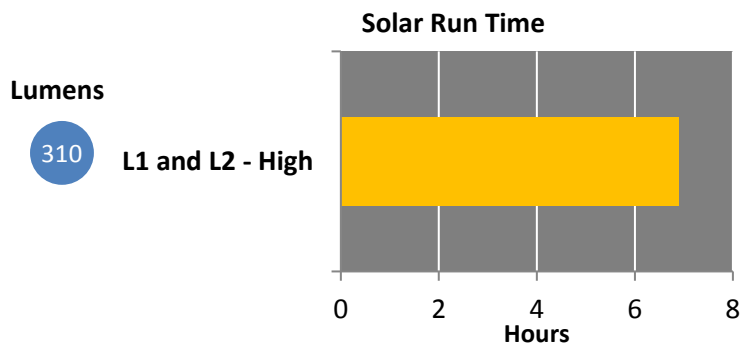
# Solectric 15

## Orb Energy

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

Verify Online: [www.lightingglobal.org/products/orb-solectric15](http://www.lightingglobal.org/products/orb-solectric15)

Valid Until: July 31, 2015



**Meets Lighting Global Minimum  
Quality Standards**



**Mobile Charging**

**2**

**Light Points**

## Warranty Information

A 1-year warranty (see detailed terms for more information).

## Performance Details

Performance Measure	Brightness Setting***
	L1 and L2 - High
Full battery run time* (hours)	11
Run time per day of solar charging* (hours)	6.9
Total light output (lumens)	310
Total area with illumination > 25 lux** (m <sup>2</sup> )	1
Total lighting service (lumen-hours / solar-day)	2100

\* 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): L1 - high, L2 - mid; L1 and L2 - mid; L1 - high, L2 - low; L1 - mid, L2 - low; L1 and L2 - low, L1 - high, L1 - mid, L1 - low

## Lighting Details

Lamp type	LED
Description of light points	30 LEDs per light point
Colour characteristics	CRI 79 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	98% of the original output remains after 2,000 hours run time

### Special Features

Mobile charging	5 V at 500 mA USB socket output with adapters to charge mobile phone from battery
Indicators	Green LED = charging indicator Yellow LEDs = battery state of charge indicators Red LED = low battery or over-charge indicator

### 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	Amorphous silicon
PV maximum power point	6.7 watts

### Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	--
Battery capacity	3000 mAh
Battery nominal voltage	12.8 V
Appropriate battery protection circuit	Pass

### Product Details

Manufacturer name	Orb Energy
Product name	Solectric 15
Product model / ID number	SL0015DC12820
Contact information	info@orbenergy.com
Website	www.orbenergy.com

### SSS Information

Specs sheet expiration date	July 31, 2015
Minimum Quality Standards Framework Version	2012
Revision	2014.01