

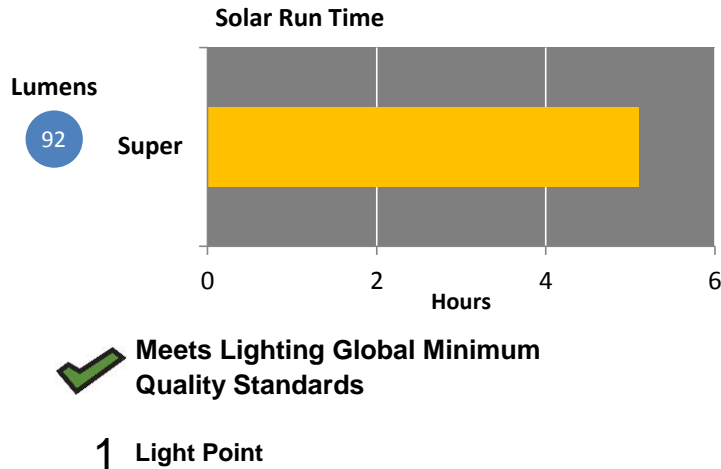
# Omnivoltaic ovBeacon MB2-090

Omnivoltaic Power Co., Ltd.

Verify Online: [www.lightingglobal.org/products/mar-mb2090](http://www.lightingglobal.org/products/mar-mb2090)

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

Valid Until: November 2014



## Warranty Information

A 2-year warranty against material or manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting***
	Super
Full battery run time* (hours)	5.7
Run time per day of solar charging* (hours)	5.1
Total light output (lumens)	92
Total area with illumination > 25 lux** (m <sup>2</sup> )	0.6
Total lighting service (lumen-hours / solar-day)	470

\* 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): Normal, Bed Light

## Lighting Details

Lamp type	LED
Description of light points	5 LEDs
Colour characteristics	CRI 72 CCT "Near Daylight" (3000-5000 K)
Distribution type	Wide
Lumen maintenance	93% of the original output remains after 2,000 hours run time

### Special Features

Product box	Box acts as a stand to use ovBeacon as desk light
LEDs	UV-free LEDs
Battery	High-temperature battery
Charge indicator	Four LED indicators display battery state of charge

### 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	1.3 watts

### Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Appropriate battery protection circuit	Pass
Replacement batteries are available from the product manufacturer	

### Product Details

Manufacturer name	Omnivoltaic Power Co., Ltd.
Product name	Omnivoltaic ovBeacon MB2-090
Product model / ID number	MB2-090
Contact information	sales@omnivoltaic.com
Website	www.omnivoltaic.com

### SSS Information

Specs sheet expiration date	November 2014
Minimum Quality Standards Framework Version	2012
Revision	2014.01