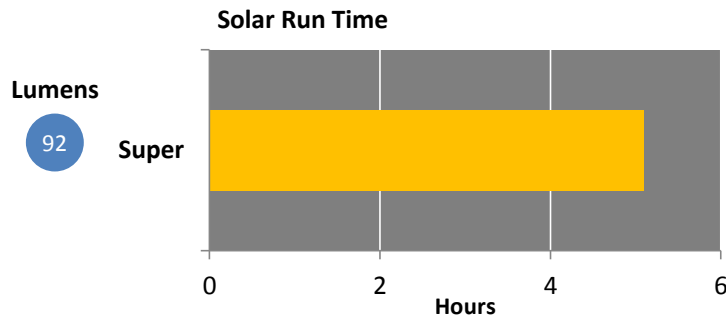# Omnivoltaic ovBeacon MB2-090

Omnivoltaic Power Co., Ltd.

Verify Online: www.lightingglobal.org/products/mar-mb2090

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

Valid Until: December 2016

Solar Run Time

Lumens

92

Super

0	2	4	6

Hours

✓ **Meets Lighting Global Minimum Quality Standards**

1 **Light Point**

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 > 50 lux** (m^2)	0.13
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 > 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): 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 occassional 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	December 2016
Minimum Quality Standards Framework Version	2014
Revision	2014.12