

# Omnivoltaic ovBeacon MB2-380

Omnivoltaic Power Co., Ltd.

Verify [www.lightingglobal.org/products/mar-Online:mb2380](http://www.lightingglobal.org/products/mar-Online:mb2380)

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

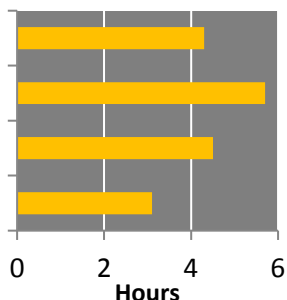
Valid Until: December 31, 2015

## Lumens



**Main lamp Super**  
**Secondary lamp 1 Super**  
**Secondary lamp 2 Super**  
**Torch On**

## Solar Run Time



**Meets Lighting Global Minimum  
Quality Standards**



**Mobile Charging**

**4**

**Light Points**

## Warranty Information

A 2-year warranty against material or manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting***			
	Main Super	Sec. 1 Super	Sec. 2 Super	Torch On
Full battery run time* (hours)	5.3	6	6	5
Run time per day of solar charging* (hours)	4.3	5.7	4.5	3.1
Total light output (lumens)	210	92	92	32
Total area with illumination > 25 lux** (m <sup>2</sup> )	1	0.6	0.6	0.2
Total lighting service (lumen-hours / solar-day)	900	520	410	99

\* 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): Main lamp Normal, Main lamp Bed Light, Secondary lamps Normal, Secondary lamps Bed Light

## Lighting Details

Lamp type	LED
Description of light points	One main lamp, two secondary lamps, one torch
Colour characteristics	CRI 72 CCT "Near Daylight" (3000-5000 K)
Distribution type	Wide
Lumen maintenance	93% (Main), 93% (Secondary), and 96% (Torch) of

the original output remains after 2,000 hours run  
time

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### Special Features

Mobile charging	Adapters included to charge mobile phone from Main lamp battery
Product box	Box acts as a stand to use Main lamp and Secondary lamp as desk lights
LEDs	UV-free LEDs
Batteries	High-temperature batteries used
Remote	Torch acts as wireless remote to turn Main and Secondary lamps on/off

### 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	Monocrystalline silicon
PV maximum power point	4.9 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 MB2-380
Product model / ID number	MB2-380
Contact information	sales@omnivoltaic.com
Website	www.omnivoltaic.com

### SSS Information

Specs sheet expiration date	December 31, 2015
Minimum Quality Standards Framework Version	2012
Revision	2015.04