

# Marathoner Beacon MB2-290

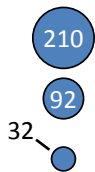
Marathoner Clean & Lean Power International Limited

Verify Online: [www.lightingglobal.org/products/mar-mb2290](http://www.lightingglobal.org/products/mar-mb2290)

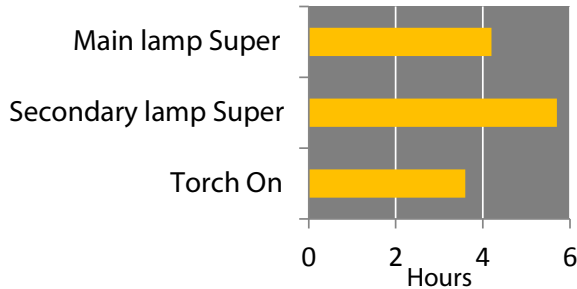
Results based on test procedures detailed in  
IEC 62257-9-5, ed. 2.0

Valid Until: December, 2015

Lumens



Solar Run Time



**Meets Lighting Global Minimum  
Quality Standards**



**Mobile Charging**

**3**

**Light Points**

## Warranty Information

A 2-year warranty against material or manufacturing defects.

## Performance Details

Performance Measure	Brightness Setting***		
	Main Super	Sec. 1 Super	Torch On
Full battery run time* (hours)	5.3	6	5
Run time per day of solar charging* (hours)	4.2	5.7	3.6
Total light output (lumens)	210	92	32
Total area with illumination > 25 lux** (m <sup>2</sup> )	1	0.6	0.2
Total lighting service (lumen-hours / solar-day)	880	520	120

\* 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 lamp Normal, Secondary lamp Bed Light

## Lighting Details

Lamp type	LED
Description of light points	One main lamp, one secondary lamp, and 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

### 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 lamp 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 occasional rain

### Solar Details

PV module type	Monocrystalline silicon
PV maximum power point	3.9 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	Marathoner Clean & Lean Power International Limited
Product name	Marathoner Beacon MB2-290
Product model / ID number	MB2-290
Contact information	sales@marathonerclp.com (Africa)
Website	www.marathonerclp.com (Africa)

### SSS Information

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