

Marathoner Beacon MB2-290

Marathoner CLP

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

Verify Online: www.lightingglobal.org/specs/mar-mb2290

Valid Until: December, 2015

Lumens

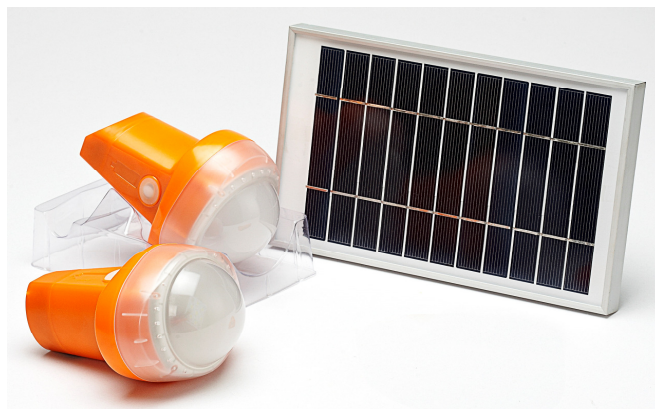
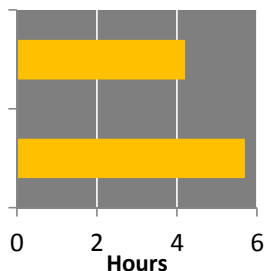
210

Main lamp Super

92

Secondary lamp Super

Solar Run Time



NOTE: This SSS is only valid for the exact product and components listed (i.e., 1 Main lamp, 1 Secondary lamp, 1 solar module, and charging accessories).



Meets Lighting Global Minimum Quality Standards



Mobile Charging

2

Light Points

Warranty Information

A 2-year warranty against material or manufacturing defects.

Performance Details

Performance Measure	Brightness Setting***	
	Main Super	Secondary 1 Super
Full battery run time* (hours)	5.3	6
Run time per day of solar charging* (hours)	4.2	5.7
Total light output (lumens)	210	92
Total area with illumination > 25 lux** (m ²)	1	0.6
Total lighting service (lumen-hours / solar-day)	880	520

* 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 and one secondary lamp
Colour characteristics	CRI 72 CCT "Near Daylight" (3000-5000 K)
Distribution type	Wide
Lumen maintenance	93% (Main) and 93% (Secondary) 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

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 CLP
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