

Marathoner Beacon MB2 (Africa)/SooLED B3 (Asia)

Marathoner CLP (Africa)/
Toomeen Solar Co., Ltd. (Asia)

Verify Online: www.lightingglobal.org/specs/tms-sooledb3

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

Valid Until: September, 2014

Lumens

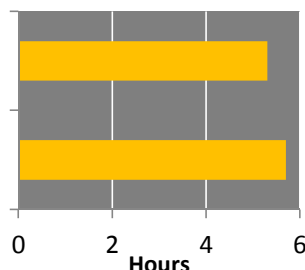
Solar Run Time

210

Super (main lamp)

92

Super (secondary lamp)



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***	
	Super (main lamp)	Super (secondary lamp)
Full battery run time* (hours)	5.3	5.7
Run time per day of solar charging* (hours)	5.3	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)	1100	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): Normal (Main Lamp), Bed Light (Main Lamp)

Lighting Details

Lamp type	LED
Description of light points	2 light points with 5 LEDs, 1 light point with 10 LEDs that can charge mobile phones
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	
Mobile charging	Adapters included to charge mobile phone from main lamp battery
Product box	Box acts as a stand to use lamps as desk lights
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	5 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 (Africa)/ Toomeen Solar Co., Ltd. (Asia)
Product name	Marathoner Beacon MB2 (Africa)/ SooLED B3 (Asia)
Product model / ID number	MB2-380 (Africa)/B3 (Asia)
Contact information	sales@marathonerclp.com (Africa), sales@toomeen.com (Asia)
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SSS Information	
Specs sheet expiration date	September, 2014
Minimum Quality Standards Framework Version	2012
Revision	2013.09