

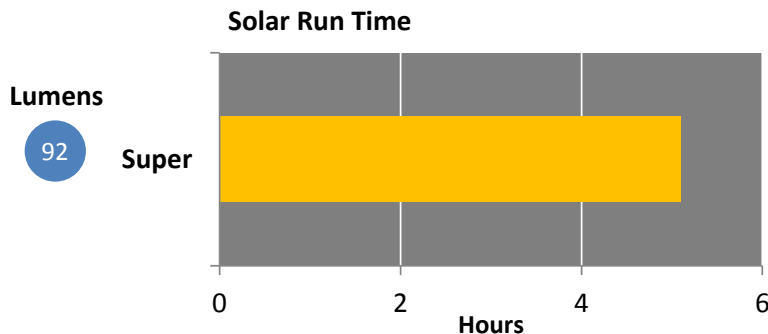
# Marathoner Beacon MB2-090

Marathoner Clean & Lean Power International Limited

Verify Online: [www.lightingglobal.org/products/mar-mb2090](http://www.lightingglobal.org/products/mar-mb2090)

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

Valid Until: September, 2014



 **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 > 25 lux** (m <sup>2</sup> ) | 0.6                   |
| 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 > 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, Bed Light

## Lighting Details

|                             |   |
|-----------------------------|---|
| Lamp type                   | LED   |
| Description of light points | 5 LEDs  |
| Colour characteristics      | CRI 72<br>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 SooLED B1 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 occasional 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         | Marathoner Clean & Lean Power International |
| Product name              | Marathoner Beacon MB2-090                   |
| Product model / ID number | MB2-090                                     |
| Contact information       | sales@marathonerclp.com                     |
| Website                   | www.marathonerclp.com                       |

### SSS Information

|   |                 |
|---|-----------------|
| Specs sheet expiration date                 | September, 2014 |
| Minimum Quality Standards Framework Version | 2012            |
| Revision                                    | 2014.01         |