

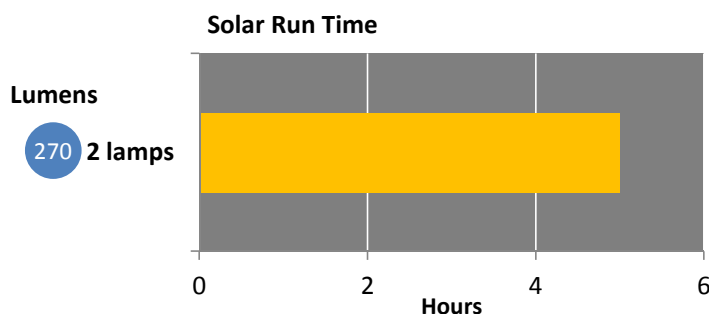
# BrightBox 2

One Degree Solar

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

Verify Online: [www.lightingglobal.org/specs/ods-brightbox](http://www.lightingglobal.org/specs/ods-brightbox)

Valid Until: November, 2014



**Meets Lighting Global Minimum  
Quality Standards**



**Mobile Charging**

**2**

**Light Points**

## Warranty Information

A 1-year product warranty.

## Performance Details

Performance Measure	Brightness Setting***
	2 lamps
Full battery run time* (hours)	22
Run time per day of solar charging* (hours)	5
Total light output (lumens)	270
Total area with illumination > 25 lux** (m <sup>2</sup> )	1
Total lighting service (lumen-hours / solar-day)	1400

\* 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): 1 lamp

## Lighting Details

Lamp type	LED
Description of light points	24 LEDs per light point
Colour characteristics	CRI 73 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	99% of the original output remains after 2,000 hours run time

**Special Features**

Mobile charging	10-in-1 USB cable included to charge mobile phone from battery
Light ports	Two lamps are included with the product, but four light ports are available for expansion

**Durability**

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and no water ingress protection

**Solar Details**

PV module type	Monocrystalline silicon
PV maximum power point	5.1 watts

**Battery Details**

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Sealed lead-acid
Battery package type	--
Battery capacity	7700 mAh
Battery nominal voltage	12 V
Appropriate battery protection circuit	Pass

**Product Details**

Manufacturer name	One Degree Solar
Product name	BrightBox 2
Product model / ID number	BrightBox 2
Contact information	info@onedegreesolar.com
Website	www.onedegreesolar.com

**SSS Information**

Specs sheet expiration date	November, 2014
Minimum Quality Standards Framework Version	2012
Revision	2013.09