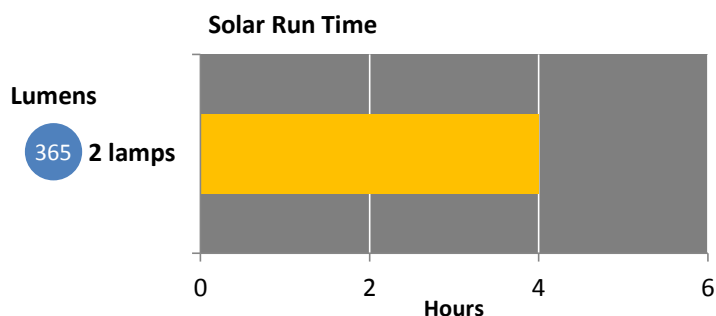# BrightBox 2

One Degree Solar

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

Verify Online: www.lightingglobal.org/products/ods-brightbox

Valid Until: April 2015

Solar Run Time

Lumens

365 **2 lamps**

Hours: 0, 2, 4, 6

✓ **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)	--
Run time per day of solar charging* (hours)	4
Total light output (lumens)	365
Total area with illumination > 25 lux** (m^2)	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	4900
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	April 2015
Minimum Quality Standards Framework Version	2012
Revision	2014.12