

## Lighting Global Product Testing Verification Solectric 15

Report Date: October 2012  
Expiration Date: September 30, 2017<sup>1</sup>  
Reference #: orb-solectric15-2015

This verifies that the Solectric 15 was tested according to the Quality Test Method in the latest edition of IEC 62257-9-5<sup>2</sup> and met the Lighting Global Quality Standards<sup>3</sup> listed below.



### **Documentation:**

Specifications sheet with verified test results and original version of this verification:  
<http://www.lightingglobal.org/products/orb-solectric15>

### **Testing Details:**

Company Name: Orb Energy, Ltd.  
Company Contact: Andrea Griffin, [andreacgriffin@gmail.com](mailto:andreacgriffin@gmail.com)  
Sample Procurement Date: May 2012  
Sample Size: n=6  
Sample Procurement Method: Random warehouse sampling  
Testing Laboratory: Lighting Research Center, Troy, NY USA

### **Quality Standards:**

- Truth in Advertising:** Accurate Labeling (e.g., rated run time, battery capacity, PV power)
- Lumen Maintenance:** At least 85% of initial brightness maintained over 2000 hours of operation
- Quality:** Passed basic durability and quality checks
- Warranty:** At least 1-year consumer facing warranty



Russell Sturm  
Global Head, Energy Access  
Lighting Global Project Manager  
International Finance Corporation

<sup>1</sup> Lighting Global requires re-testing every two years or upon major product revisions, and in special cases reserves the right to grant an extension on results validity.

<sup>2</sup> <http://www.lightingglobal.org/activities/qa/testmethods.html>

<sup>3</sup> <http://www.lightingglobal.org/activities/qa/standards.html>