

**TEST REPORT**

Applicant: Limitless Innovations  
4800 Metalmaster Way, McHenry, IL  
60050

Number: 190102005GZU-001R2  
Date: January 21, 2019

**Sample Description**

Product / Model No. : Single Motion Light / ASL-090, LMLOGY-SMSL-001 & LMLOGY-SMSL-002

Electrical Rating : 3pc 1.5V AA battery operated

No. of Samples : 5pcs

Buyer : RJ Hoeffleur

Manufacturing Name : -

Manufacturing Address : -

Trade Name : Limitless Innovations, Inc.

GOODS EXPORTED TO : USA

Date Received : January 02, 2019

Date Test Conducted : January 02, 2019 to January 21, 2019

Test Requested : Only conducted

Determine Lumens of Each model  
& Number of Activations on Fresh Batteries until batteries go bad  
& Verify IP43 on the single light (ASL-90)" per client required.

Test Method : See the attached sheets.

Test Results : See the attached sheets.

**Conclusion** : The submitted samples **Pass** with the above test requested.

Prepared by:

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- When determining the test conclusion, the Measurement Uncertainty of test has been considered
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Test(s) Conducted (test property according to protocol)

Test Property	Result	Comments/ Remarks
Determine Lumens	Pass	-
Activations on Fresh Batteries	Pass	-
IP43	Pass	

**Executive Summary:**

**Fail item:**

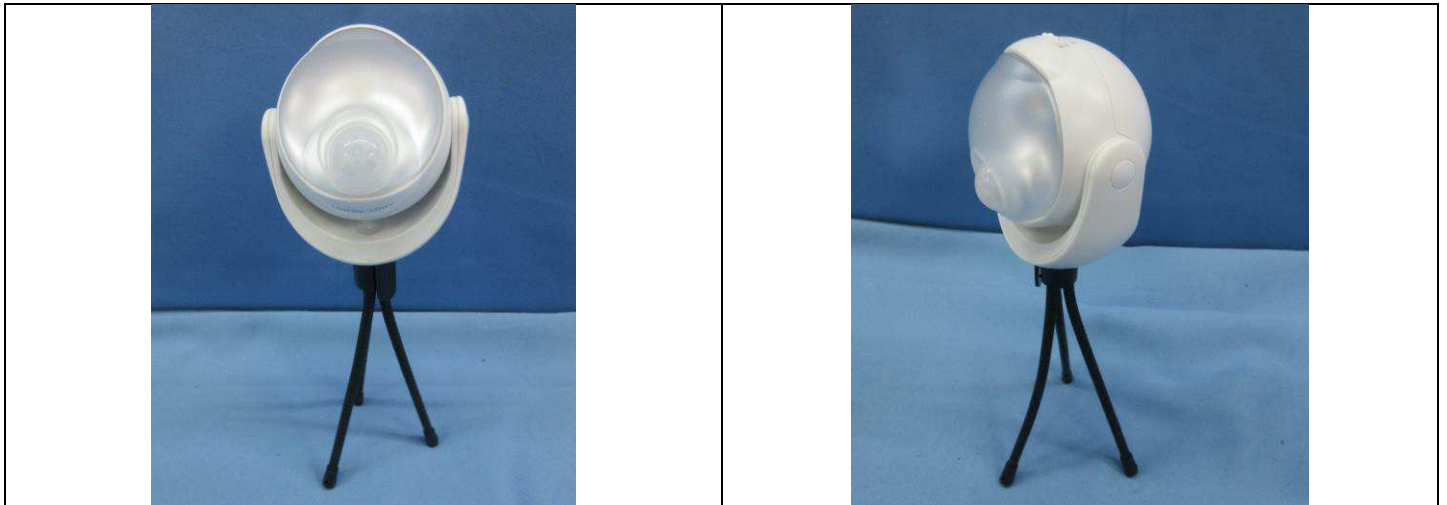
-Nil

**Remark:**

-Revised product model number. Remove data of model LED-265. Previous report was 190102005GZU-001R1.

Test Items	Testing Method	Requirement / Limit	Test Results
<b>Performance</b>			
Determine Lumens	In-house Method	<ul style="list-style-type: none"> <li>- Lab conditions shall be a controlled temperature of <math>22 \pm 3</math> °C and a relative humidity of 50% nominal, 80% maximum.</li> <li>- Test was conducted 1 piece of sample with fresh batteries or fully charged batteries/energy storage devices. 12V DC devices that are only tethered shall be powered with 13.8V DC using a power supply.</li> <li>- Devices are to be securely mounted against an external port adapter or placed inside the sphere. Measurements shall be taken at 30 s to 2 min of continuous operation after turning on the device.</li> <li>- Round to whole numbers following standard rounding rules.</li> </ul>	Record: ASL-90:148.0lm
Activations on Fresh Batteries	In-house Method	<ul style="list-style-type: none"> <li>-Testing should be performed in a dark environment where the ambient conditions are determined to be less than 1 lux</li> <li>- Test was conducted 1 piece of sample with fresh batteries or fully charged batteries/energy storage devices.</li> <li>-Periodic light measurements and corresponding time values are recorded.</li> <li>-A run time less than one hour is reported in minutes; more than 1 hour but less than 10 hours is reported in hours and minutes, rounded to the nearest 15 min. For 10 hours or more, report the run time only in hours. Standard rounding rules apply.</li> <li>(NOTE—If the device has an auto shut off mechanism, the operator must restart the light within 15 s for the test to be valid.)</li> </ul>	Record: ASL-90: 115lux(fresh) 7.5lux(after 1000 activations) In Auto mode.
IP4X	EN 60598-1 Clause 9.2	IP4X: The test probe D as specified in IEC 61032 applied to every possible point (excluding gaskets) with 1N force	Pass
IPX3	EN 60598-1 Clause 9.2	<p>Rain-proof luminaires (second characteristic IP numeral 3) are sprayed with water for 10 min by means of a spray apparatus as shown in Figure 7.</p> <p>The radius of the semicircular tube shall be as small as possible and compatible with the size and position of the luminaire.</p> <p>The tube shall be perforated so that jets of water are directed towards the centre of the circle and the water flow rate at the inlet of the apparatus shall be approximately 0.07l/min <math>\pm</math>5% per hole multiplied by the number of holes (approximately 80kN/m<sup>2</sup>).</p> <p>The tube shall be caused to oscillate through an angle of 120°, 60° on either side of the vertical, the time for one complete oscillation (2x120°) being about 4s.</p> <p>The luminaire shall be mounted above the pivot line of the tube so that the ends of the luminaire receive adequate coverage from the jets. The luminaire shall be turned about its vertical axis during the test at a rate of 1r/min.</p> <p>After this 10 min period, the luminaire shall be switched off and allowed to cool naturally whilst the water spray is continued for a further 10 min.</p> <p>Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect</p>	Pass

**Appendix I  
Photos**



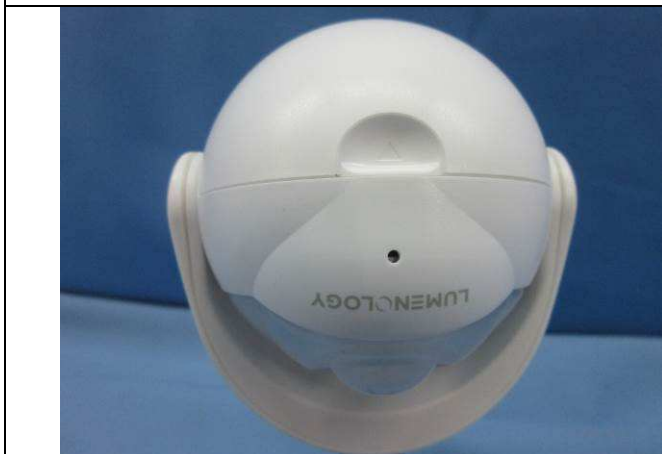
Overall (ASL-90)



Parts



Switch & marking



Product marking



Battery compartment

\*\*\*\*\*End of Report\*\*\*\*\*