



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc., has assessed the Laboratory of:

**Citizen Electronics Co., Ltd.
Quality System Section
Quality Management Division
1-23-1 Kamikurechi
Fujiyoshida-shi, Yamanashi 4030001**

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2005

*This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system
(as outlined by the joint ISO/IEC JAF Communiqué dated January 2009):*

**Lumen Maintenance Factor Testing of LED Light Sources
(As detailed in the supplement)**

*Such testing and/or calibration services shall only be offered at or from the address given above. This Accreditation is granted
subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the
Accreditation body's duty to observe and comply with the said rules.*

For PJLA:

Tracy Szerszen
President/Operations Manager

The validity of this certificate is mandated through ongoing surveillance.

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:
March 27, 2011

Accreditation No:
69510

Issue Date:
March 27, 2011

Certificate No:
L11-52

Expiration Date:
March 26, 2016

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Certificate of Accreditation: Supplement

Citizen Electronics Co., Ltd.

Quality System Section

Quality Management Division

1-23-1 Kamikurechi

Fujiyoshida-shi, Yamanashi 4030001

Accreditation is granted to this facility to perform the following testing:

| FIELD OF TEST | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS OR PROPERTIES MEASURED | SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED | RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT |
|---------------|-------------------------------------|--|---|---|
| Electrical | LED Element for Lighting | Lumen Maintenance Testing of Duration Time; Measurement of Luminance (Light Flux) and Chromaticity | IEC authentication method of lumen maintenance measurement of LED light sources is basis of the following procedure: • LM-80-08 (Sec. 4.3) (GLW-0008) • LM-80-08 (Sec. 5.1, 5.2, 5.3, 5.4) (GLW-0006) • LM-80-08 (Sec. 4.4) (GLW-0010) • LM-80-08 (Sec. 6.1, 6.2, 6.3) (GLW-0002) | Energy Star Standard for Lighting Device Room Inside: Luminance of 6 000 h Over 91.8 % Room Outside: Luminance of 6 000 h Over 94.1 % |

Issued: 3/11

This supplement is in conjunction with certificate # L11-52

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