

Name: Xiamen San'an Optoelectronics Technology Co., Ltd. Testing Center

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Registration No. CNAS L7471

Accreditation Criteria: ISO/IEC 17025, requirements of EPA ENERGY STAR® Program and relevant requirements of
 CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT
 CNAS

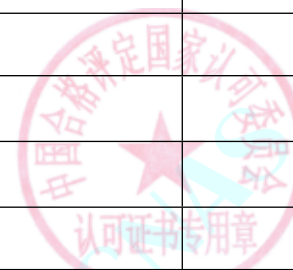
SCHEDULE OF ACCREDITATION CERTIFICATE

Date of Issue: 2017-12-08

Date of Expiry: 2024-02-08

SCHEDULE 6 ACCREDITED ENERGY STAR TESTING SCOPE

| № | Test Object | Item/Parameter | | Standard or Method | Note |
|---|--|----------------|---------------------------------------|--|------|
| | | № | Item/ Parameter | | |
| 1 | Omnidirectional and Decorative LED Lamps | 1 | Transient Protection | IEEE Recommended Practice on Characterization of Surges in Low Voltage (1000V and Less) AC Power Circuits IEEE C62.41.2-2002 | |
| | | 2 | Power Factor | Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements ANSI C82.77-10-2014 | |
| | | 3 | Color Rendering (CRI) | Method of Measuring and Specifying Colour Rendering Properties of Light Sources CIE 13.3-1995 | |
| | | 4 | CCT | Colorimetry CIE 15-2004 | |
| | | 5 | Ambient Temperature Life Test Method | Ambient Temperature Life Test Method September-2015 | |
| | | 6 | Elevated Temperature Life Test Method | Elevated Temperature Life Test Method September-2015 | |
| | | 7 | Start Time | Start Time Test Method September-2015 | |
| | | 8 | Standby Power Consumption | Household electrical appliances - Measurement of standby power IEC 62301-2011 | |



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The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter | | Standard or Method | Note |
|---|-------------|----------------|--|--|------|
| | | № | Item/ Parameter | | |
| | | 9 | Zonal Lumen Distribution, Color Angular Uniformity, Luminaire Photometry | Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08 | |
| | | 10 | Lumen Maintenance: Option 2 | Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14 | |
| | | 11 | Efficacy, Lumen Output, CCT, CRI, Color Maintenance, Lumen Maintenance | Energy Conservation Program: Test Procedures for Integrated Light-Emitting Diode Lamps DOE 81 FR 43403 | |
| | | 12 | Power Factor | Energy Conservation Program: Test Procedures for Integrated Light-Emitting Diode Lamps DOE 81 FR 43403 | |
| | | 13 | Standby Power Consumption | Energy Conservation Program: Test Procedures for Integrated Light-Emitting Diode Lamps DOE 81 FR 43403 | |



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