

Name: CQC Standard Testing Technology (Shanghai) Co., Ltd.

Address: No.19, Guijing Road, Xuhui District, Shanghai, China

Registration No. CNAS L0200

Accreditation Criteria: ISO/IEC 17025, requirements of EPA ENERGY STAR® Program and relevant requirements of CNAS

CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT

SCHEDULE OF ACCREDITATION CERTIFICATE

Date of Issue: 2017-06-16

Date of Expiry: 2023-06-15

SCHEDULE 6 ACCREDITED ENERGY STAR TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
XXVII、Energy Star (Lamps and Luminaires)					
1	Lamps (Light Bulbs)		All items	ENERGY STAR Program RequirementsProduct Specification for Lamps (Light Bulbs)Eligibility Criteria Version 2.0	
2	Luminaires (Light Fixtures)		All items	ENERGY STAR Program RequirementsProduct Specification for Luminaires (Light Fixtures)Eligibility Criteria Version 2.0	
3	Lamps (Light Bulbs) and/or Luminaires (Light Fixtures)	1	Transient protection	IEEE recommended practice on characterization of surges in low-voltage (1000 v and less) ac power circuits IEEE Std C62.41.2-2002	
		2	Operating frequency	Method of Measurement of Fluorescent Lamp Ballasts ANSI C82.2-2002	
		3	Power factor	Harmonic Emission Limits—Related Power Quality Requirementsfor Lighting Equipment ANSI C82.77-10-2014	
		4	Luminous Efficacy and Output, Lumen Maintenance	Standard for Safety of Portable Electric Luminaires ANSI/UL 153:2002(Sections 124-128A)	



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		5	Luminous Efficacy and Output, Lumen Maintenance	Standard for Safety of Portable Electric Luminaires ANSI/UL 1574:2004(Section 54)	
		6	Luminous Efficacy and Output, Lumen Maintenance	Standard for Safety of Portable Electric Luminaires ANSI/UL 1598:2008(Sections 19.7, 19.10-16)	
		7	Luminous Efficacy and Output, and Zonal Lumen Density	Light-Emitting Diode(LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C:2011	
		8	Color rendering(CRI)	Method of measuring and specifying Color Rendering of Light Sources CIE Pub.No.13.3-1995	
		9	CCT	Colorimetry CIE Pub.No.15-2004	
		10	Ambient Temperature Life Test method	Ambient Temperature Life Testing Test Method, September 2015 Energy Star Ambient Temperature Life Testing Test Method Sept 2015	
		11	Elevated Temperature Life Test method	Elevated Temperature Life Testing Test Method, September 2015 Energy Star Elevated Temperature Life Testing Test Method Sept 2015	
		12	Elevated Temperature Light Output Ratio	Elevated Temperature Light Output Ratio Test Method, September 2015 Energy Star Elevated Temperature Light Output Ratio Test Method Sept 2015	
		13	Source Run-up Time	Run-Up Time Test Method, September 2015 Energy Star Run-Up Time Test Method Sept 2015	
		14	Source Start Time	Start Time Test Method, September 2015 Energy Star Start Time Test Method Sept 2015	
		15	Standby Power Consumption	Household electrical appliances Measurement of standby power IEC 62301 Edition 2.0 2011-01	
		16	Light Source Life, Lumen Maintenance	IES Approved Method: Measuring Luminous flux and Color Maintenance of LED Packages, Arrays and Modules IES LM-80-08	
		17		Photometric Testing of Outdoor Fluorescent Luminaires IES LM-10-96	



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		18	Center Beam Intensity	Photometric Testing of Reflector-Type Lamps IES LM-20-13	
		19	Light Source Life, Lumen Maintenance	Life Testing of Fluorescent Lamps IES LM-40-10	
		20	Efficacy, Light Output, Zonal Lumen Distribution	Approved Method for Photometric Testing of Indoor Fluorescent Luminaires IES LM-41-14	
		21	Color Angular Uniformity	Guide to Spectroradiometric Measurements IES LM-58-13	
		22	Light Source Life, Lumen Maintenance	Life Testing of Compact Fluorescent Lamps IES LM-65-14	
		23	Efficacy, Light Output, Lumen Maintenance, CCT, CRI	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
		24	Zonal Lumen Distribution, Color Angular Uniformity, Luminaire Photometry	Electrical and Photometric Measurements of Solid-State Lighting Products(Goniophotometer) IES LM-79-08	
		25	Efficacy, Light Output, Lumen Maintenance, CCT, CRI, Color Maintenance, Light Source Life	Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a function of Temperature IES LM-82-12	
		26	Lumen Maintenance: Option 2	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	
		27	Efficacy, Output, Lumen Maintenance, CCT, CRI	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	
		28	Efficacy, Output, CCT, CRI, Power Factor, Start Time, Standby Power	Energy Conservation Program: Test Procedure for Compact Fluorescent Lamps US DOE 81 FR 59385	



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		29	Efficacy, Output, CCT, CRI, Color Maintenance, Lumen Maintenance, Power Factor, Standby Power	Energy Conservation Program: Test Procedure for Integrated Light-Emitting Diode Lamps US DOE 81 FR 43403	
		30	Efficacy, Lumen Maintenance, Rapid Cycle Stress Test, Lifetime	Energy Conservation Program: Test Procedure for Integrated Light-Emitting Diode Lamps; Final Rule US DOE 81 FR 43404	
		31	Efficacy, Lumen Maintenance, Rapid Cycle Stress Test, Lifetime	Energy Conservation Program For Consumer Products US DOE 10 CFR 430	
		32	Efficacy, Lumen Maintenance, Lifetime	Certification, Compliance, and Enforcement for Consumer Products and Commercial and Industrial Equipment US DOE 10 CFR 429	



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