CERTIFICATE OF ACCREDITATION

This is to attest that

BAY AREA COMPLIANCE LABORATORIES CORP. (KUNSHAN)

NO. 248 CHENGHU ROAD
KUNSHAN, JIANGSU 215301, CHINA

Testing Laboratory TL-1044

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 20, 2024

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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BAY AREA COMPLIANCE LABORATORIES CORP. (KUNSHAN)

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Contact Name Oli Wang **Contact Phone** +86-15995601975

Accredited to ISO/IEC 17025:2017 *Effective Date June 20, 2024*

Electrical and Lighting	
10 CFR Part 430 Appendix R to Subpart B	Uniform Test Method for Measuring Average Lamp Efficacy (LE), Color Rendering Index (CRI), and Correlated Color Temperature (CCT) of Electric Lamps
10 CFR Part 430 Appendix V to Subpart B	Uniform Test Method for Measuring the Energy Consumption of Ceiling Fan Light Kits Packaged with Other Fluorescent Lamps (not Compact Fluorescent Lamps or General Service Fluorescent Lamps), Packaged with Other SSL Lamps (not Integrated LED Lamps), or With Integrated SSL Circuitry
10 CFR Part 430 Appendix Y to Subpart B	Uniform Test Method for Measuring the Energy Consumption of Battery Chargers
10 CFR Part 430 Appendix Z to Subpart B	Uniform Test Method for Measuring the Energy Consumption of External Power Supplies
10 CFR Part 430 Appendix BB to Subpart B	Uniform Test Method for Measuring the Input Power, Lumen Output, Lamp Efficacy, Correlated Color Temperature (CCT), Color Rendering Index (CRI), Power Factor, Time to Failure, and Standby Mode Power of Integrated Light-Emitting Diode (LED) Lamps
10 CFR Part 430 Appendix DD to Subpart B	Uniform Test Method for Measuring the Energy Consumption and Energy Efficiency of General Service Lamps That Are Not General Service Incandescent Lamps, Compact Fluorescent Lamps, or Integrated LED Lamps
81 FR 43403 DOE 10 CFR Parts 429 and 430, Docket No. EERE-2011-BT-TP-0071	Energy Conservation Program: Test Procedures for Integrated Light - Emitting Diode Lamps
ANSI C78.377	Electric Lamps - Specifications for The Chromaticity of Solid-State Lighting Products
ANSI C82.18 -2022	Light-Emitting Diode Drivers - Performance Characteristics
ANSI C82.77-10-2014	Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements
ANSI C82.77-10-2020	Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements

ANSI C82.77-10-2021	Lighting Equipment - Harmonic Emission Limits - Related Power Quality Requirements
ANSI/ASABE S640	Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)
ANSI/ASABE S642	Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development
ANSI/IES LM-58	Approved Method: Spectroradiometric Measurement Methods for Light Sources
ANSI/IES LM-79-19	Approved Method: Electrical and Photometric Measurements of Solid State Lighting Products
ANSI/IES LM-80-15	Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules
ANSI/IES LM-80-20	Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules
ANSI/IES LM-80-21	Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources
ANSI/IES LM-82	Approved Method: Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of Temperature
ANSI/IES LM-84	Approved Method: Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires
ANSI/IES TM-21	Technical Memorandum: Projecting Long Term Lumen Maintenance of LED Light Sources
ANSI/IES TM-27	Technical Memorandum: Standard Format for the Electronic Transfer of Spectral Data
ANSI/IES TM-28	Technical Memorandum: Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaires
ANSI/IES TM-30	IES Method for Evaluating Light Source Color Rendition
ANSI/IES TM-33	Standard File Format for the Electronic Transfer of Luminaire Optical Data
ANSI/UL 153 Ed. 12-2002	Standard for Portable Electric Luminaires
ANSI/UL 153 Ed. 13-2014	Standard for Portable Electric Luminaires
ANSI/UL 1310	Standard for Class 2 Power Units
ANSI/UL 1598 Ed. 3-2008	Standard for Luminaires
ANSI/UL 1598 Ed. 4-2018	Standard for Luminaires
ANSI/UL 1598 Ed. 5-2021	Standard for Luminaires
ANSI/UL 1598C	Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits
ANSI/UL 1993	Standard for Self-Ballasted Lamps and Lamp Adapters

ANSI/UL 8750	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products
ANSI/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
AS/NZS 1680.2.5	Interior and workplace lighting, Part 2.5: Hospital and medical tasks
AS/NZS 62368.1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
CAN/CSA-C381.1	Energy performance of external ac-dc and ac-ac power supplies
CAN/CSA-C381.2	Energy performance of battery-charging systems and uninterruptible power supplies
CIE 015	Colorimetry
CIE 13.3	Method of measuring and specifying colour rendering properties of light sources
CIE 190	Calculation and Presentation of Unified Glare Rating Tables for Indoor Lighting Luminaires
CSA C22.2 NO. 223	Power supplies with extra-low-voltage class 2 outputs
CSA C22.2 NO. 250.0	Luminaires
CSA C22.2 NO. 250.1	Retrofit kits for luminaire conversion
CSA C22.2 NO. 250.4	Portable luminaires
CSA C22.2 NO. 250.13	Light emitting diode (LED) equipment for lighting applications
CSA C22.2 NO. 1993	Self-ballasted lamps and lamp adapters (Trinational standard with NMX-J-578/1-ANCE and UL 1993)
CSA C22.2 No. 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
EN 62368-1:2014+A11:2017	Audio/video, information and communication technology equipment - Part 1: Safety requirements
EN IEC 62368-1:2020+A11:2020	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC 62301	Household electrical appliances - Measurement of standby power
IEC 62368-1:2014	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC 62368-1:2018	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC 62368-1:2023	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEEE C62.41.1	IEEE Recommended Practice on Surge Testing For Equipment Connected To Low-Voltage (1000 V And Less) AC Power Circuits
IEEE C62.41.2	IEEE Recommended Practice On Characterization Of Surges In Low-Voltage (1000V And Less) AC Power Circuits

IES LM-79-08	Approved Method: Electrical and Photometric Measurements of Solid State Lighting Products
IES LM-80-08	Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources
NEMA 77	Temporal Light Artifacts: Test Methods and Guidance for Acceptance Criteria
NEMA SSL 7A	Phase Cut Dimming for Solid State Lighting: Basic Compatibility
ENERGY STAR	
ENERGY STAR Program Requirements for Lamps and Luminaires (including Downlights): Start Time Test Method, November 2023	
ENERGY STAR Program Requirements Product Specification for Lamps: Light Source Flicker Recommended Practice, December 2015	
ENERGY STAR Program Requirements for Lamps and Luminaires: Test Method – Noise, September 2015	