



CERTIFICATE OF ACCREDITATION

This is to attest that

RING TESTING TECHNOLOGY (ZHONGSHAN) CO., LTD.

ROOM 203, 2ND FLOOR, BUILDING D, WANWEI LIGHTING PLAZA, NO. 59 TONGXING ROAD
GUZHEN TOWN, ZHONGSHAN 528400, PEOPLE'S REPUBLIC OF CHINA

Testing Laboratory TL-1208

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 December 21, 2023



A handwritten signature in black ink, reading "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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RING TESTING TECHNOLOGY (ZHONGSHAN) CO., LTD.

www.rgtlab.com

Contact Name Sky Li

Contact Phone +86 15821224749

Accredited to ISO/IEC 17025:2017

Effective Date December 21, 2023

Luminaires	
ANSI C78.377-2017	Electric Lamps-Specifications for the Chromaticity of Solid-State Lighting products
ANSI C136.3-1989	For Roadway and Area Lighting Equipment-Luminaire Attachments.
ANSI C136.31	Roadway and Area Lighting Equipment-Luminaire Vibration.
ANSI/UL 153(ISTMT)	Stand for safety Portable Electric Luminaires
ANSI/UL 1574(ISTMT)	Stand for safety Track Lighting Systems
ANSI/UL 1598(ISTMT)	Stand for safety Luminaires
ANSI/UL 1598C(ISTMT)	Stand for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits
AS 60598.2.4:2019,	Luminaires-Part 2-4-Particular Requirements-Portable General Purpose Luminaires
AS 60598.2.10:2019	Luminaires. Part 2- 10: Particular requirements. Portable luminaires for children
AS 60598.2.18-2019	Luminaires - Part 2-18: Particular requirements - Luminaires for swimming pools and similar applications
AS 60598.2.22:2019	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting
AS 61347.2.7:2019	Lamp control gear Part 2-7: Particular requirements for battery supplied electronic control gear for emergency lighting (self- contained)
AS 61347.2.13:2018	Lamp control gear. Part 2- 13: Particular requirements for d.c. or a.c. supplied electronic control gear for LED modules
AS/NZS 2293.1-2018+A1-2021	Emergency Escape Lighting And Exit Signs For Buildings System Design, Installation And Operation
AS/NZS 2293.2-2019	Emergency Lighting And Exit Signs For Buildings Routine Service And Maintenance
AS/NZS 2293.3-2018+A1-2021	Emergency Escape Lighting And Exit Signs For Buildings Emergency Escape Luminaires And Exit Signs

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AS/NZS 60598.1: 2017 +A1:2017+A2:2020	Luminaires-Part 1: General requirements and tests
AS/NZS 60598.2.1: 2014 +A1:2016 +A2:2019	Luminaires - Part 2- 1: Particular requirements - Fixed general purpose luminaires
AS/NZS 60598.2.2:2016 +A1:2017 +A2:2021	Luminaires. Part 2-2: Particular requirements. Recessed luminaires
AS/NZS 60598.2.3:2015	Luminaires. Part 2-3: Particular requirements. Luminaires for road and street lighting
AS/NZS 60598.2.5:2018	Luminaires. Part 2-5: Particular requirements. Floodlights
AS/NZS 60598.2.8:2015	Luminaires. Part 2-8:Particular requirements. Handlamps
AS/NZS 60598.2.17:2019	Luminaires-Part 2-17:Particular Requirements-Luminaires For Stage Lighting, Television And Film Studios (Outdoor And Indoor)
AS/NZS 60598.2.20:2018	Luminaires - Part 2-20: Particular requirements - Lighting chains
AS/NZS 60598.2.21:2018	Luminaires-Part 2-21: Particular Requirements-Rope Lights
AS/NZS 61347.1:2016 +A1:2018	Lamp control gear-Part 1: General and safety requirements
AS/NZS 61347.2.11:2003	Lamp control gear-Part 2- 11: Particular requirements for miscellaneous electronic circuits used with luminaires
AS/NZS 62560-2017+A1:2019	Self-ballasted LED-lamps for general lighting services by voltage > 50 V. Safety specifications
AS/NZS 62838-2020	LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c.. Safety specifications
ASTM D3359: 2023	Standard Test Methods for Rating Adhesion by Tape Test
CIE 018:2019	The Basics of Physical Photometry
CIE 13.3-1995	Method of measuring and specifying Colour Rendering Properties of Lighting Source
CIE 15-2018	Colorimetry
CIE 18.2-1983	The Basics of Physical Photometry
CIE 63-1984	The Spectro radiometric Measurement of Light Sources
CIE 84-1989	The measurement of Luminous Flux
CIE 88:2004	Guide for the lighting of Road Tunnels and Underpasses
CIE 97-2005	Guide on the maintenance of Indoor Electric Lighting Systems
CIE 115:2010	Lighting of Roads for Motor and Pedestrian Traffic
CIE 154:2003	The maintenance of outdoor lighting systems
CIE S 010/E-2004	Photometry-The CIE System of physical photometry

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EN 13032-4:2015+A1:2019	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires
EN 50294:1998+A2:2003	Measurement method of total input power of ballast-lamp circuits
EN 60529:1991+A1:2000+A:2013	Degrees of protection provided by enclosures (IP Code)
EN 60570:2003+A1:2018+A2:2020	Electrical supply track systems for luminaires
EN 60598-2-2:2012	Luminaires. Part 2-2: Particular requirements. Recessed luminaires
EN 60598-2-3:2003+A1:2011	Luminaires. Part 2-3: Particular requirements. Luminaires for road and street lighting
EN 60598-2-4:2018	Luminaires-Part 2-4-Particular Requirements-Portable General Purpose Luminaires
EN 60598-2-5:2015	Luminaires. Part 2-5: Particular requirements. Floodlights
EN 60598-2-8:2013	Luminaires. Part 2-8:Particular requirements. Handlamps
EN 60598-2-10:2003	Luminaires. Part 2- 10: Particular requirements. Portable luminaires for children
EN 60598-2-11:2013+A1:2022	Luminaires. Part 2- 11: Particular requirements. Aquarium luminaires
EN 60598-2-13:2006+A11:2021	Luminaires. Part 2- 13: Particular requirements. Ground recessed luminaires
EN 60598-2-20:2015	Luminaires - Part 2-20: Particular requirements - Lighting chains
EN 60598-2-21:2015	Luminaires-Part 2-21: Particular Requirements-Rope Lights
EN 60598-2-24:2013	Luminaires. Part 2-24:Particular requirements. Luminaires with limited surface temperatures
EN 61140:2016	Protection against electric shock. Common aspects for installation and equipment
EN 61341:2011	Method of measurement of centre beam intensity and beam angle(s) of reflector lamps
EN 61347-1:2015+A1:2021	Lamp control gear-Part 1: General and safety requirements
EN 61347-2-7:2012 +A1:2019 +A2:2022	Lamp control gear Part 2-7: Particular requirements for battery supplied electronic control gear for emergency lighting (self- contained)
EN 61347-2-11:2001+A1:2019	Lamp control gear-Part 2- 11: Particular requirements for miscellaneous electronic circuits used with luminaires
EN 61347-2-13:2014+A1:2017	Lamp control gear. Part 2- 13: Particular requirements for d.c. or a.c. supplied electronic control gear for LED modules
EN 62262:2002+A1:2021	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
EN 62321-4:2014+A1:2017	Determination of certain substances in electrotechnical products. Part 4:Mercury in polymers,metals and electronics by CV-AAS,CV-AFS,ICP-OES and ICP-MS

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EN 62471:2008,	Photobiological safety of lamps and lamp systems
EN 62560:2012+A11:2019	Self-ballasted LED-lamps for general lighting services by voltage > 50 V. Safety specifications
EN 62612:2013+A1:2017	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V. Performance requirements
EN 62717:2003+A1:2015+A2:2019	LED modules for general lighting - Performance requirements
EN 62776:2015,	Double-capped LED lamps designed to retrofit linear fluorescent lamps. Safety specifications
EN 62838:2016, AS/NZS 62838-2020	LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c.. Safety specifications
EN IEC 60598-1:2021+A11:2022	Luminaires-Part 1: General requirements and tests
EN IEC 60598-2-1:2021	Luminaires - Part 2- 1: Particular requirements - Fixed general purpose luminaires
EN IEC 60598-2-17:2018	Luminaires-Part 2-17:Particular Requirements-Luminaires For Stage Lighting, Television And Film Studios (Outdoor And Indoor)
EN IEC 60598-2-18:2022	Luminaires - Part 2-18: Particular requirements - Luminaires for swimming pools and similar applications
EN IEC 60598-2-22:2022	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting
EN IEC 62031:2020	LED modules for general lighting. Safety specifications
EN IEC 62384-2020	DC or AC supplied electronic control gear for LED modules - Performance requirements
EN IEC 62471-7:2023	Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation
EN IEC 62722-1:2022	Luminaire performance - Part 1: General requirements
EN IEC 62722-2-1:2023	Luminaire performance - Part 2-1: Particular requirements - LED luminaires
(EU) No 1194/2012	COMMISSION REGULATION (EU) No 1194/2012 of 12 December 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to eco design requirements for directional lamps, light emitting diode lamps and related equipment
(EU) No 874/2012	COMMISSION DELEGATED REGULATION (EU) No 874/2012 of 12 July 2012 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of electrical lamps and luminaires
EU 2019/2015	supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy

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	labelling of light sources and repealing Commission Delegated Regulation (EU) No 874/2012. (only Annex II)
EU 2019/2020	Ecodesign requirements for light sources and separate control gears pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulations (EC) No 244/2009, (EC) No 245/2009 and (EU) No 1194/2012 (only Annex II)
IEC 60529:1989+A1:1999+A:2013	Degrees of protection provided by enclosures (IP Code)
IEC 60570:2003+A1:2017+A2:2019	Electrical supply track systems for luminaires
IEC 60598-1:2020	Luminaires-Part 1: General requirements and tests
IEC 60598-2-1:2020	Luminaires - Part 2- 1: Particular requirements - Fixed general purpose luminaires
IEC 60598-2-2:2023	Luminaires. Part 2-2: Particular requirements. Recessed luminaires
IEC 60598-2-10:2003	Luminaires. Part 2- 10: Particular requirements. Portable luminaires for children
IEC 60598-2-11:2013+AMD1:2022	Luminaires. Part 2- 11: Particular requirements. Aquarium luminaires
IEC 60598-2-13:2006+AMD 2:2016	Luminaires. Part 2- 13: Particular requirements. Ground recessed luminaires
IEC 60598-2-17:2017	Luminaires-Part 2-17:Particular Requirements-Luminaires For Stage Lighting, Television And Film Studios (Outdoor And Indoor)
IEC 60598-2-18:2022	Luminaires - Part 2-18: Particular requirements - Luminaires for swimming pools and similar applications
IEC 60598-2-20:2022	Luminaires - Part 2-20: Particular requirements - Lighting chains
IEC 60598-2-21:2014	Luminaires-Part 2-21: Particular Requirements-Rope Lights
IEC 60598-2-22:2021	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting
IEC 60598-2-24:2013	Luminaires. Part 2-24:Particular requirements. Luminaires with limited surface temperatures
IEC 60598-2-3:2002+AMD 1:2011	Luminaires. Part 2-3: Particular requirements. Luminaires for road and street lighting
IEC 60598-2-4:2017	Luminaires-Part 2-4-Particular Requirements-Portable General Purpose Luminaires
IEC 60598-2-5:2015	Luminaires. Part 2-5: Particular requirements. Floodlights
IEC 60598-2-8:2013	Luminaires. Part 2-8:Particular requirements. Handlamps
IEC 61140:2016	Protection against electric shock. Common aspects for installation and equipment
IEC 61347-1:2015+AMD 1:2017	Lamp control gear-Part 1: General and safety requirements
IEC 61347-2-7:2011+AMD 1:2017+AMD2:2021	Lamp control gear Part 2-7: Particular requirements for battery supplied electronic control gear for emergency lighting (self- contained)

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IEC 61347-2-11:2001+AMD 1:2017	Lamp control gear-Part 2- 11: Particular requirements for miscellaneous electronic circuits used with luminaires
IEC 61347-2-13:2014+AMD 1:2016	Lamp control gear. Part 2- 13: Particular requirements for d.c. or a.c. supplied electronic control gear for LED modules
IEC 61643-11:2011	Low-voltage surge protective devices. Part 11: Surge protective devices connected to low-voltage power systems. Requirements and test methods
IEC 62031:2018	LED modules for general lighting. Safety specifications
IEC 62262:2002+A1:2021	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
IEC 62321-4:2013+A1:2017	Determination of certain substances in electrotechnical products. Part 4:Mercury in polymers,metals and electronics by CV-AAS,CV-AFS,ICP-OES and ICP-MS
IEC 62384:2020	DC or AC supplied electronic control gear for LED modules - Performance requirements
IEC 62471:2006	Photobiological safety of lamps and lamp systems
IEC 62471-7:2023	Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation
IEC 62560:2011+AMD 1:2015	Self-ballasted LED-lamps for general lighting services by voltage > 50 V. Safety specifications
IEC 62612:2013+A1:2017+A2:2018	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V. Performance requirements
IEC 62663-2 Ed.1(CDV)	Non-ballasted LED lamps – Performance Requirements
IEC 62717:2014+A1:2015+A2:2019	LED modules for general lighting - Performance requirements
IEC 62722-1:2022	Luminaire performance - Part 1: General requirements
IEC 62722-2-1:2023	Luminaire performance - Part 2-1: Particular requirements - LED luminaires
IEC 62776:2014	Double-capped LED lamps designed to retrofit linear fluorescent lamps. Safety specifications
IEC 62838:2015	LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c.. Safety specifications
IEC/TR 61341:2010	Method of measurement of centre beam intensity and beam angle(s) of reflector lamps
IEC/TR 62778:2014	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
IES LM-79:2019	Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products
IES LM-80:2021	Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules

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IES LM-82:2020	Approved Method: Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of Temperature
IES LM-84:2020	Approved Method: Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires
IES TM-21:2021	Projecting Long Term Lumen Maintenance of LED Light Sources
IES TM-28:2020	Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaires
ISO 4628-2:2016	Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering
ISO 4628-4:2016	Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering.
ISO 4892-3:2016	Plastics. Methods of exposure to laboratory light sources. Part 3:Fluorescent UV lamps
ISO 9227:2017	Corrosion tests in artificial atmospheres – Salt spray tests
ISO 10289:1999	Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates — Rating of test specimens and manufactured articles subjected to corrosion tests
ISO 23539	Photometry - The CIE system of physical photometry
ISO/CIE 23539:2023	Photometry — The CIE system of physical photometry
L2(AP)005	Cone luminous flux
MS IEC 62384-2012	DC or AC supplied electronic control gear for LED modules - Performance requirements
MS IEC 62612:2015	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V. Performance requirements
MS IEC 62717-2017	LED modules for general lighting - Performance requirements
MS IEC 62722-1:2017	Luminaire performance - Part 1: General requirements
MS IEC 62722-2-1-2017	Luminaire performance - Part 2-1: Particular requirements - LED luminaires
PrEN 13032-4	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires
SASO 2870:2018+A1:2021	Energy Efficiency, Functionality and Labeling Requirements for Lighting Products- Part 1
SASO 2902:2018+A1:2021	Energy Efficiency, Functionality and Labelling Requirements for Lighting Products - Part 2

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SASO 2927:2019 +A1:2021 +A2:2023	Energy Efficiency Functionality and Labelling Requirements for Lighting Products - Part 3: Street lighting
SASO EN 13032-4	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires
SASO IEC/PAS 62707-1	LED - Binning - Part 1: General requirements and white grid
SASO IEC/PAS 62717	LED modules for general lighting - Performance requirements
SASO IEC/TS 62504	General lighting – LEDs and LED modules – Terms and definitions
Electrical and Electronic Equipment	
AS 3133:2020	Approval and test specification - Air-break switches
AS 60669.2.1:2020	Switches for household and similar fixed electrical installations - Part 2- 1: Particular requirements - Electronic control devices
AS/NZS 3100:2022	Approval And Test Specification – General Requirements For Electrical Equipment
AS/NZS 3105:2014+A1:2017	Approval and test specification - Electrical portable outlet devices
AS/NZS 3112:2017/Amd1:2021	Approval and test specification - Plugs and socket-outlets
AS/NZS 3120:2021	Approval and test specification - Cord extension sockets
AS/NZS 3122:2021	Approval and test specification - Socket-outlet adaptors
AS/NZS 3199:2020	Approval and test specification - Cord extension sets
AS/NZS 60669.1:2020	Switches for household and similar fixed-electrical installations - Part 1: General requirements
AS/NZS 62368.1-2022	Audio/video, information and communication technology equipment – Part 1: Safety requirements
BS 546:1950 + PD1752:1953 + PD4007:1960 + PD4389:1961 + AMD251:1969 + AMD2307:1977 + AMD4045:1982 + AMD5809:1987 + AMD6144:1989 + Supplement No. 1:1960 + Supplement No. 2:1987 + AMD8914:1999	Specification. Two-pole and earthing-pin plugs, socket-outlets and socket-outlet adaptors
BS1363-1:2023	13 A plugs, socket-outlets, adaptors and connection units - Rewirable and non-rewirable 13 A fused plugs
BS1363-2:2023	13 A plugs, socket-outlets, adaptors and connection units - 13 A switched and unswitched socket-outlets

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BS 1363-3:2023	13 A plugs, socket-outlets, adaptors and connection units - Adaptors
BS 5733:2010+A1:2014	General requirements for electrical accessories – Specification
EN 60669-1:2018	Switches for household and similar fixed-electrical installations - Part 1: General requirements
EN 60669-2-1:2021	Switches for household and similar fixed electrical installations - Part 2- 1: Particular requirements - Electronic control devices
EN IEC 62368-1-2020+A11-2020	Audio/video, information and communication technology equipment – Part 1: Safety requirements
EN IEC 62368-3:2020	Audio/video, information and communication technology equipment - Part 3: Safety aspects for DC power transfer through communication cables and ports
GSO 2117:2011	Safety requirements for Cord Extension Sets
IEC 60669-1:2017	Switches for household and similar fixed-electrical installations - Part 1: General requirements
IEC 60669-2-1:2021	Switches for household and similar fixed electrical installations - Part 2- 1: Particular requirements - Electronic control devices
IEC 60669-2-2:2006	Switches for household and similar fixed electrical installations - Part 2-2: Particular requirements - Electromagnetic remote- control switches (RCS)
IEC 60669-2-3:2006	Switches for household and similar fixed electrical installations. Part 2-3: Particular requirements. Time-delay switches (TDS)
IEC 60669-2-4:2004	Switches for household and similar fixed electrical installations. Part 2-4:Particular requirements. Isolating switches
IEC 60669-2-6:2012	Switches for household and similar fixed electrical installations. Part 2-6:Particular requirements. Fireman's switches for exterior and interior signs and luminaires
IEC 60670-1:2015	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements
IEC 60670-22:2003+Amd 1:2015	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures

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IEC 60884-1:2022	Plugs and socket-outlets for household and similar purposes - Part1: General requirements
IEC 60884-2-1:2006	Plugs and socket-outlets for household and similar purposes. Part 2-1:Particular requirements for fused plugs
IEC 60884-2-2:2006	Plugs and socket-outlets for household and similar purposes . Part 2-2:Particular requirements for socket-outlets for appliances
IEC 60884-2-3:2006	Plugs and socket-outlets for household and similar purposes. Part 2-3:Particular requirements for switched socket-outlets without interlock for fixed installations
IEC 60884-2-4:2007	Plugs and socket-outlets for household and similar purposes . Part 2-4:Particular requirements for plugs and socket-outlets for SELV
IEC 60884-2-5:2017	Plugs And Socket-Outlets For Household And Similar Purposes-Part 2-5:Particular Requirements For Adaptors
IEC 60884-2-6:1997	Plugs and socket-outlets for household and similar purposes . Part 2-6:Particular requirements for switched socket-outlets with interlock for fixed electrical installations
IEC 60884-2-7:2011+Amd 1:2013	Plugs and socket-outlets for household and similar purposes. Part2-7: Particular requirements for cord extension sets
IEC 61242:1995/A1:2008+A2:2015	Electrical accessories - Cable reels for household and similar purposes
IEC 62368-1:2023	Audio/video, information and communication technology equipment – Part 1: Safety requirements
IEC 62368-3:2017	Audio/video, information and communication technology equipment - Part 3: Safety aspects for DC power transfer through communication cables and ports
SASO 2203:2018	PLUGS AND SOCKET-OUTLETS FORHOUSEHOLD AND SIMILAR PURPOSESSAFETYREQUIREMENTS AND TEST METHODS250 V/13 A
SASO 2815:2021	SAFETY REQUIREMENTS FOR CORD EXTENSION SETS
Household and Similar Electrical Appliances	
AS/NZS 60335.1:2020+A1:2021	Household and similar electrical appliances - Safety - Part 1: General requirements
AS/NZS 60335.2.2:2020	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances

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AS/NZS 60335.2.3:2012 + A1:2016	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
AS/NZS 60335.2.4:2021	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
AS/NZS 60335.2.5:2014 +A1:2015 +A2:2018 +A3:2020	Household and similar electrical appliances. Safety. Part 2-5:Particular requirements for dishwashers
AS/NZS 60335.2.6-2014+A1:2015+A2:2019	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
AS/NZS 60335.2.7:2020	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
AS/NZS 60335.2.8:2013+A1:2017+A2:2019	Household and similar electrical appliances. Safety. Part 2-8:Particular requirements for shavers, hair clippers and similar appliances
AS/NZS 60335.2.9:2020	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances
AS/NZS 60335.2.11:2020	Household and similar electrical appliances - Safety - Part 2-11 : particular requirements for tumble dryers
AS/NZS 60335.2.12:2018	Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances
AS/NZS 60335.2.13:2017	Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
AS/NZS 60335.2.14:2017+A1:2020	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines
AS/NZS 60335.2.16:2012	Household And Similar Electrical Appliances - Safety - Part 2-16: Particular Requirements For Food Waste Disposers
AS/NZS 60335.2.21:2013+A1:2014+A1:2019	Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters
AS/NZS60335.2.23:2017 +A1:2020 +A2:2021	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care
AS/NZS 60335.2.25:2020	Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
AS/NZS60335.2.29:2017 +A1:2020	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

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AS/NZS:60335.2.30:2015+A1:2015+A2:2017+A3:2020+A4:2021	Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters
AS/NZS 60335.2.32:2020	Household And Similar Electrical Appliances - Safety - Part 2-32: Particular Requirements For Massage Appliances
AS/NZS60335.2.35:2013+A2:2021	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
AS/NZS60335.2.41:2013 +A1:2018	Household and similar electrical appliances. Safety. Part 2-41:Particular requirements for pumps
AS/NZS 60335.2.43:2018	Household and similar electrical appliances. Safety. Part 2-43: Particular clothes dryers and towel rails
AS/NZS 60335.2.59:2022	Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
AS/NZS 60335.2.52:2022	Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances
AS/NZS60335.2.65:2015	Household and similar electrical appliances. Safety. Part 2-65:Particular requirements for air-cleaning appliances
AS/NZS60335.2.73:2005 +A1:2006 +A2:2010	Household And Similar Electrical Appliances - Safety - Part 2-73: Particular Requirements For Fixed Immersion Heaters
AS/NZS 60335.2.74:2022	Household and similar electrical appliances - Safety - Part 2-74- Particular requirements for portable immersion heaters
AS/NZS 60335.2.80:2016 +A1:2020	Household and similar electrical appliances. Safety. Part 2-80:Particular requirements for fans
AS/NZS 60335.2.81:2015+A1:2017+A2:2018+A3:2021	Household and similar electrical appliances. Safety. Part 2-81:Particular requirements for foot warmers and heating mats
AS/NZS 60335.2.98:2005+A2:2014	Household and similar electrical appliances. Safety. Part 2-98:Particular requirements for humidifiers
AS/NZS60335.2.101:2002 +AMDT1 +A2:2015	Household and similar electrical appliances - Safety - Part 2-101 : particular requirements for vaporizers
EN 60335-2-2:2010+A1:2013	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
EN 60335-2-3:2016+A1:2020	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
EN 60335-2-5:2015+A1:2020	Household and similar electrical appliances. Safety. Part 2-5:Particular requirements for dishwashers

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EN 60335-2-6:2015+A1:2020+A11:2020	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
EN 60335-2-8:2015+A1:2016+A2:2022,	Household and similar electrical appliances. Safety. Part 2-8:Particular requirements for shavers,hair clippers and similar appliances
EN 60335-2-12:2003 +A1:2008+A2:2019	Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances
EN 60335-2-13 : 2010+A1 : 2019	Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
EN 60335-2-15:2016+A11:2018+A12:2021	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids
EN 60335-2-16:2003 +A1:2008 +A2:2012+A11:2018	Household And Similar Electrical Appliances - Safety - Part 2-16: Particular Requirements For Food Waste Disposers
EN 60335-2-21:2021+A1:2021	Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters
EN 60335-2-23:2023 +A1:2023	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care
EN 60335-2-25:2021+A1:2021	Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
EN 60335-2-29:2021	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
EN 60335-2-30:2009 +A11:2012 +A1:2020 +A12:2020+A13:2022	Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters
EN 60335-2-35:2016 +A1:2019 +A2:2021	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
EN 60335-2-59:2003 +A1:2006 + A2:2009 +A11:2018	Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
EN 60335-2-52:2003 +A1:2008 +A11:2010 +A12:2019+A13:2023	Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances
EN 60335-2-65:2003 +A1:2008 +A11:2012	Household and similar electrical appliances. Safety. Part 2-65:Particular requirements for air-cleaning appliances
EN 60335-2-73:2003 + A1:2006 +A2:2009 +A11:2021	Household And Similar Electrical Appliances - Safety - Part 2-73: Particular Requirements For Fixed Immersion Heaters

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EN 60335-2-74:2003 +A1:2006 +A2:2009 +A11:2018	Household and similar electrical appliances - Safety - Part 2-74- Particular requirements for portable immersion heaters
EN 60335-2-80:2003 +A1:2004 +A2:2009	Household and similar electrical appliances. Safety. Part 2-80:Particular requirements for fans
EN 60335-2-81:2003 + A1:2007 +A2-2012	Household and similar electrical appliances. Safety. Part 2-81:Particular requirements for foot warmers and heating mats
EN 60335-2-98:2003 +A1:2005 +A2:2008 +A11:2019	Household and similar electrical appliances. Safety. Part 2-98:Particular requirements for humidifiers
EN 60335-2-101:2002 +A1:2008 +A2:20145	Household and similar electrical appliances - Safety - Part 2-101 : particular requirements for vaporizers
EN 61558-2-6:2009	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6- Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications
EN 61558-2-16 : 2009+A1 : 2013	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications
EN IEC 60335-1:2023+A11:2023	Household and similar electrical appliances - Safety - Part 1: General requirements
EN IEC 60335-2-4:2023+A11:2023	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
EN IEC 60335-2-7:2023+A11:2023	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
EN IEC 60335-2-9:2023+A1:2023	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances
EN IEC 60335-2-11:2022+A11:2022	Household and similar electrical appliances - Safety - Part 2-11 : particular requirements for tumble dryers
EN IEC 60335-2-14:2023 +A1:2023	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines
EN IEC 60335-2-32:2023	Household And Similar Electrical Appliances - Safety - Part 2-32: Particular Requirements For Massage Appliances
EN IEC 60335-2-41:2021+A11:2021	Household and similar electrical appliances. Safety. Part 2-41:Particular requirements for pumps

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EN IEC 60335-2-43:2020+A11:2020	Household and similar electrical appliances. Safety. Part 2-43: Particular clothes dryers and towel rails
EN IEC 61558-1:2019	Safety of transformers, reactors, power supply units and combinations thereof-Part 1: General requirements and tests
IEC 60335-1:2020	Household and similar electrical appliances - Safety - Part 1: General requirements
IEC 60335-2-2:2019	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances
IEC 60335-2-3:2022	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
IEC 60335-2-4:2021	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
IEC 60335-2-5:2012+A1;2018	Household and similar electrical appliances. Safety. Part 2-5:Particular requirements for dishwashers
IEC 60335-2-6:2014+AMD1:2018 CSV	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
IEC 60335-2-7:2019	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines
IEC 60335-2-8:2022	Household and similar electrical appliances. Safety. Part 2-8:Particular requirements for shavers, hair clippers and similar appliances
IEC 60335-2-9:2019	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances
IEC 60335-2-11:2019	Household and similar electrical appliances - Safety - Part 2-11 : particular requirements for tumble dryers
IEC 60335-2:12:2002 +AMD1:2008 +AMD2:2017	Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances
IEC 60335-2-13:2021	Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
IEC 60335-2-14:2016+AMD1:2019 CSV	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines
IEC 60335-2-15:2012+AMD1:2016+AMD2:2018 CSV	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids

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IEC 60335-2-16:2022	Household And Similar Electrical Appliances - Safety - Part 2-16: Particular Requirements For Food Waste Disposers
IEC 60335-2-21:2022	Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters
IEC 60335-2-23:2016+AMD1:2019 CSV	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care
IEC 60335-2-25:2020	Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
IEC 60335-2-29:2016+AMD1:2019 CSV	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
IEC 60335-2-30:2009 +AMD1:2016 +AMD2:2021	Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters
IEC 60335-2-32:2019	Household And Similar Electrical Appliances - Safety - Part 2-32: Particular Requirements For Massage Appliances
IEC 60335-2-35:2012 + AMD1:2016 +AMD2:2020	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
IEC 60335-2-41:2011	Household and similar electrical appliances. Safety. Part 2-41:Particular requirements for pumps
IEC 60335-2-43:2017	Household and similar electrical appliances. Safety. Part 2-43: Particular clothes dryers and towel rails
IEC 60335-2-59:2021	Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
IEC 60335-2-52:2021	Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances
IEC 60335-2-65:2002+A1:2008+A2:2015	Household and similar electrical appliances. Safety. Part 2-65:Particular requirements for air-cleaning appliances
IEC 60335-2-73:2002 +A1:2006 +A2:2009	Household And Similar Electrical Appliances - Safety - Part 2-73: Particular Requirements For Fixed Immersion Heaters
IEC 60335-2-74:2021	Household and similar electrical appliances - Safety - Part 2-74- Particular requirements for portable immersion heaters
IEC 60335-2-80:2015	Household and similar electrical appliances. Safety. Part 2-80:Particular requirements for fans
IEC 60335-2-81:2015 +A1:2017 +A2:2020	Household and similar electrical appliances. Safety. Part 2-81:Particular requirements for foot warmers and heating mats

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IEC 60335-2-98:2002 +A1:2004 +A2:2008	Household and similar electrical appliances. Safety. Part 2-98:Particular requirements for humidifiers
IEC 60335-2-101:2002 +A1:2008 +A2:2014	Household and similar electrical appliances - Safety - Part 2-101 : particular requirements for vaporizers
IEC 61558-1:2017	Safety of transformers, reactors, power supply units and combinations thereof-Part 1: General requirements and tests
IEC 61558-2-6:2021	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6- Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications
IEC 61558-2-16:2021	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications
Electronic and Electrical Products	
AS 61000.6.4:2020	Electromagnetic compatibility (EMC). Part 6-4: Generic standards. Emission standard for industrial environments
AS CISPR 15:2017	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
AS IEC 61000.4.5:2017	Electromagnetic compatibility (EMC)-Part 4-5: Testing and measurement techniques-Surge immunity test
AS IEC 61000.4.6:2017	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
AS/NZS 61000.3.2:2013	Electromagnetic compatibility (EMC). Part 3-2: Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
AS/NZS 61000.3.3:2012	Electromagnetic Compatibility (Emc) Limits-Limitation Of Voltage Changes, Voltage Fluctuations And Flicker In Public Low-Voltage Supply Systems, For Equipment With Rated Current =16 A Per Phase And Not Subject To Conditional Connection
AS/NZS 61000.4.11:2005	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
AS/NZS 61000.6.1:2006	Electromagnetic compatibility (EMC). Part 6-1: Generic standards. Immunity standard for residential, commercial and light-industrial environments

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AS/NZS 61000.6.2-2022	Electromagnetic compatibility (EMC). Part 6-2: Generic standards. Immunity standard for industrial environments
AS/NZS 61000.6.3-2021	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments
AS/NZS CISPR 11:2017+AMD 1:2020	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
AS/NZS CISPR 14.1:2021	Information technology - Media context and control - Part 1: Architecture
AS/NZS CISPR 14.2:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
AS/NZS CISPR 32:2015	Electromagnetic Compatibility Of Multimedia Equipment- Emission Requirements
AS/NZS IEC 61000.4.2-2013	Electromagnetic compatibility (EMC). Part 4-2: Testing and measurement techniques. Electrostatic discharge immunity test
AS/NZS IEC 61000.4.4-2013	Electromagnetic compatibility (EMC). Part 4-4: Testing and measurement techniques. Electrical fast transient/burst immunity test
CISPR 11:2015 +AMD1:2016+AMD2:2019 CSV	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
CISPR 14-1:2020	Information technology - Media context and control - Part 1: Architecture
CISPR 14-2:2020	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
CISPR 15:2018	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
CISPR 32:2015+AMD1:2019	Electromagnetic Compatibility Of Multimedia Equipment- Emission Requirements
CISPR 35:2016	Electromagnetic compatibility of multimedia equipment. Immunity requirements
EN 55011:2016+A1:2017+A2:2021	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement

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EN 55032:2015+A11:2020	Electromagnetic compatibility of multimedia equipment - Emission Requirements
EN 55035:2017+A11:2020	Electromagnetic compatibility of multimedia equipment - Immunity requirements
EN 61000-3-3:2013+A1:2019+A2:2021	Electromagnetic Compatibility (Emc) Limits-Limitation Of Voltage Changes, Voltage Fluctuations And Flicker In Public Low-Voltage Supply Systems, For Equipment With Rated Current =16 A Per Phase And Not Subject To Conditional Connection
EN 61000-4-2:2009	Electromagnetic compatibility (EMC). Part 4-2:Testing and measurement techniques. Electrostatic discharge immunity test
EN 61000-4-4:2012	Electromagnetic compatibility (EMC). Part 4-4:Testing and measurement techniques. Electrical fast transient/burst immunity test
EN 61000-4-5:2014+A1:2017	Electromagnetic compatibility (EMC)-Part 4-5: Testing and measurement techniques-Surge immunity test
EN 61000-4-6:2014+AC:2015	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
EN 62493:2015+A1:2022	Assessment of lighting equipment related to human exposure to electromagnetic fields
EN IEC 55015:2019+A11:2020	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN IEC 55014-1:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission
EN IEC 55014-2:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard
EN IEC 61000-3-2:2019+A1:20210	Electromagnetic compatibility (EMC). Part 3-2: Limits. Limits for harmonic current emissions (equipment input current ≤16 A per phase)
EN IEC 61000-4-11:2020	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
EN IEC 61000-6-1:2019	Electromagnetic compatibility (EMC). Part 6-1: Generic standards. Immunity standard for residential, commercial and light-industrial environments

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EN IEC 61000-6-2:2019	Electromagnetic compatibility (EMC). Part 6-2: Generic standards. Immunity standard for industrial environments
EN IEC 61000-6-3:2021	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments
EN IEC 61000-6-4:2019	Electromagnetic compatibility (EMC). Part 6-4: Generic standards. Emission standard for industrial environments
EN IEC 61547:2023	Equipment for general lighting purposes - EMC immunity requirements
IEC 61000-3-2:2018+A1:2020	Electromagnetic compatibility (EMC). Part 3-2: Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
IEC 61000-3-3:2013+A1:2017+A2:2021	Electromagnetic Compatibility (Emc) Limits-Limitation Of Voltage Changes, Voltage Fluctuations And Flicker In Public Low-Voltage Supply Systems, For Equipment With Rated Current =16 A Per Phase And Not Subject To Conditional Connection
IEC 61000-3-11:2017	Limitation of voltage changes, voltage fluctuations and flicker in public low low-voltage systems-Equipment with rated current ≤ 75 A and subject to conditional connection.
IEC 61000-3-12:2011+AMD1:2021 CSV	Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A perphase.
IEC 61000-4-2:2008	Electromagnetic compatibility (EMC). Part 4-2: Testing and measurement techniques. Electrostatic discharge immunity test
IEC 61000-4-4:2012	Electromagnetic compatibility (EMC). Part 4-4: Testing and measurement techniques. Electrical fast transient/burst immunity test
IEC 61000-4-5:2014+A1:2017	Electromagnetic compatibility (EMC)-Part 4-5: Testing and measurement techniques-Surge immunity test
IEC 61000-4-6:2023	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-11:2020	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
IEC 61000-6-1:2016	Electromagnetic compatibility (EMC). Part 6-1: Generic standards. Immunity standard for residential, commercial and light-industrial environments

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IEC 61000-6-2:2016	Electromagnetic compatibility (EMC). Part 6-2: Generic standards. Immunity standard for industrial environments
IEC 61000-6-3:2020	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments
IEC 61000-6-4:2018	Electromagnetic compatibility (EMC). Part 6-4: Generic standards. Emission standard for industrial environments
IEC 61547:2020	Equipment for general lighting purposes - EMC immunity requirements
IEC 62493:2015+A1:2022	Assessment of lighting equipment related to human exposure to electromagnetic fields