

ETICS-CoA-002-2018



European Testing Inspection and Certification System

CERTIFICATE OF ACCEPTANCE

SGS Belgium N.V. - Division SGS CEBEC

Bld. Internationalelaan, 55/D, Brussels Belgium

has been assessed and determined to fully comply with the requirements of EN-ISO/IEC 17065, PD ECS 050 and the Rules of Procedure relevant to the European Schemes for which the responsible CB is member.

SGS Belgium N.V. – Division SGS CEBEC

is therefore entitled to operate as Certification Body within the European Schemes ENEC, ENEC+, CCA, CCA EMC, HAR and KMK for the Scope (Product Category(ies) and Standard(s)) as listed in the relevant part of the ETICS Web Site at www.etics.org.

This certificate remains valid until 15th January 2021, at which time it will be reissued by the ETICS Secretary General upon successful completion of the normally scheduled 3-year Reassessment Programme administered by the ETICS.

Brussels, 15 January 2018

A handwritten signature in black ink, appearing to read "Giancarlo Zappa".

Giancarlo Zappa, Secretary General



A handwritten signature in blue ink, appearing to read "M. Mui".



Annexe au certificat d'accréditation
Bijlage bij accreditatie-certificaat
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

226-TEST

EN ISO/IEC 17025:2005

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Nicole Meurée-Vanlaethem
La Présidente du Bureau d'Accréditation
Voorzitster van het Accreditatiebureau
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

L'accréditation est délivrée à/ De accreditatie werd uitgereikt aan/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

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Code essai <i>Test Code</i>	Echantillons <i>Samples</i>	Caractéristique mesurée Gamme de mesure <i>Measurement Measurement range</i>	Description méthode d'essai Equipement <i>Testing Methodology Description Equipment</i>
PTP-01	Lampes à incandescence ou à décharge pour luminaires. <i>Incandescent or high intensity discharge lamp for luminaires.</i>	Flux lumineux exprimé en lumen (lm) <i>Luminous flux in lumen (lm)</i>	Mesure du flux lumineux en sphère d'Ulbricht selon la norme de référence EN 13032-1§ 6.1.2. Pour toutes lampes sauf les LED (Solid State Lighting) <i>Luminous flux measurement with Ulbricht's sphere according to EN 13032 § 6.1.2 Standard for all light sources except LED (Solid State Lighting)</i>
PTP-01	Sources lumineuses de type LED pour luminaires. <i>Led light source for luminaires.</i>	Flux lumineux exprimé en lumen (lm) <i>Luminous flux in lumen (lm)</i>	Mesure du flux lumineux en sphère d'Ulbricht selon la norme de référence EN 13032-1§ 6.1.2, EN 13032-4, CIE S 025/E et IES LM79-08. Pour LEDs (Solid State Lighting) <i>Luminous flux measurement with Ulbricht's sphere according to EN 13032-1§ 6.1.2, EN 13032-4, CIE S 025/E and IES LM79-08 Standard. For LED (Solid State Lighting)</i>
PTP-02	Luminaires pour lampes à incandescence ou à décharge <i>Luminaires for incandescent, HID lamp</i>	Distribution des intensités lumineuses exprimées en candela (cd) <i>Light distribution in candela (cd)</i>	Relevé photométrique au goniophotomètre selon la norme de référence EN 13032-1 et CIE 121-1996 Pour toutes lampes sauf les LED (Solid State Lighting) <i>Light distribution measurement with goniometer according to EN 13032-1 and CIE 121-1996 Standard for all light sources except LED (Solid State Lighting)</i>



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Code essai <i>Test Code</i>	Echantillons <i>Samples</i>	Caractéristique mesurée Gamme de mesure <i>Measurement Measurement range</i>	Description méthode d'essai Equipement <i>Testing Methodology Description Equipment</i>
PTP-02	Luminaires à sources lumineuses de type LED pour luminaires. <i>Luminaires for LED light sources.</i>	Distribution des intensités lumineuses exprimées en candela (cd) <i>Light distribution in candela (cd)</i>	Relevé photométrique au goniophotomètre selon la norme de référence EN 13032-1, EN 13032-4, CIE S 025/E, CIE 121-1996 et IES LM79-08 Pour les LED (Solid State Lighting) <i>Light distribution measurement with gonio according to EN 13032-1, EN 13032-4, CIE S 025/E, CIE 121-1996 et IES LM79-08 Standard. For LED (Solid State Lighting)</i>
PTP-09	Lampes à incandescence ou à décharge pour luminaires ou luminaires associés. <i>Incandescent or high intensity discharge lamp for luminaires or associated luminaires.</i>	Données colorimétriques : IRC, T° de couleur, coordonnées trichromatiques, données spectrales (domaine du visible) <i>Colorimetric values, CRI, CCT, tristimulus values, spectrum (visible range)</i>	Relevé colorimétrique en sphère via spectromètre selon la norme de référence EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) Pour équipements lumineux sauf ceux incluant des LED (Solid State Lighting) <i>Colorimetric measurement with spectrometric sphere to EN 13032-1 and CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) Standard for all light equipment except LED (Solid State Lighting)</i>
PTP-09	Sources lumineuses de type LED pour luminaires ou luminaires associés. <i>Led light source for luminaires or associated luminaires.</i>	Données colorimétriques : IRC, T° de couleur, coordonnées trichromatiques, données spectrales (domaine du visible) <i>Colorimetric values, CRI, CCT, tristimulus values, spectrum (visible range)</i>	Relevé colorimétrique en sphère et spectromètre selon la norme de référence EN 13032-1, EN 13032-4, CIE S 025/E et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) et IES LM79-08 pour équipements lumineux à LED (Solid State Lighting) <i>Colorimetric measurement with spectrometric sphere according to EN 13032-1, EN 13032-4, CIE S 025/E et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) and IES LM79-08 Standard. For LED light equipment (Solid State Lighting)</i>





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472-TEST

NBN EN ISO/IEC 17025:2005

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Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan/ L'accréditation est délivrée à/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

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Product/Object	Parameter determined	Reference
Tests on ELECTRICAL Safety		
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50396 Non electrical test methods for low voltage energy cables EXCLTests: Test of resistance to hot particles
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-1 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U _o /U) - Part 1 : General requirements
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-2-11 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U _o /U) - Part 2-11 : Cables for general applications - Flexible cables with thermoplastic PVC insulation
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-2-21 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U _o /U) - Part 2-21 : Cables for general applications - Flexible cables with crosslinked elastomeric insulation.
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-2-31 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U _o /U) - Part 2-31 : Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-2-42 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U _o /U) - Part 2-42 : Cables for general applications - Single core non-sheathed cables with crosslinked EVA insulation



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Product/Object	Parameter determined	Reference
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-2-82 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (Uo/U) - Part 2-82 : Cables for general applications - Cables with crosslinked elastomeric insulation for decorative chains
Electrical Cables	Tests electrical safety as detailed in the standard	NBN EN 50525-3-31 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V Part 3-31 : Cables with special fire performance - Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60227-2 Polyvinylchloride insulated of rated voltages up to and including 450/750V - Part 2 Test methods
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60227-3 Polyvinylchloride insulated of rated voltages up to and including 450/750V - Non sheathed cables for fixed wiring
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60227-4 Polyvinylchloride insulated of rated voltages up to and including 450/750V - Sheathed cables for fixed wiring
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60227-5 Polyvinylchloride insulated of rated voltages up to and including 450/750V - Flexible cables (cords)
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60245-2 Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 2:Test methods
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60245-4 Rubber insulated cables - Rated voltages up to and including 450/750 V - Cords and flexible cables
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60245-6 Rubber insulated cables - Rated voltages up to and including 450/750 V - Arc welding electrode cables
Electrical Cables	Tests electrical safety as detailed in the standard	IEC 60245-8 Rubber insulated cables - Rated voltages up to and including 450/750 V - Cords for applications requiring high flexibility



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Product/Object	Parameter determined	Reference
Electromechanical contactors for household and similar purposes	Tests electrical safety as detailed in the standard	IEC NBN EN 61095 Electromechanical contactors for household and similar purposes Only § 9.2.4; 9.2.2.2 To 9.2.2.6; 9.2.6; 9.2.7
Household and similar electrical appliances. - General requirements.	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-1 Household and similar electrical appliances. - General requirements EXCL:Tests: Abnormal operation; Oxygembomb; Annex F
Household and similar electrical appliances - Particular requirements for vacuum cleaners and water-suction cleaning appliances (IEC 60335-2-2:2009, IDT)	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-2 Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances (IEC 60335-2-2:2009, IDT)
Household and similar electrical appliances - Electric irons	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-3 Household and similar electrical appliances - Electric irons
Household and similar electrical appliances - Cooking ranges, hobs, ovens and similar	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-6 Household and similar electrical appliances - Cooking ranges, hobs, ovens and similar
Household and similar electrical appliances - Shavers, hair clippers	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-8 Household and similar electrical appliances - Shavers, hair clippers
Household and similar electrical appliances - Grills, toasters and similar appliances	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-9 Household and similar electrical appliances - Grills, toasters and similar appliances



Product/Object	Parameter determined	Reference
Household and similar electrical appliances - Particular requirements for warming plates and similar appliances.	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-12 Household and similar electrical appliances - Safety - Part 2-12: Particular requirements for warming plates and similar appliances.
Household and similar electrical appliances. Deep fat fryers, frying pans, and similar appliances	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-13 Household and similar electrical appliances. Deep fat fryers, frying pans, and similar appliances
Household and similar electrical appliances - Kitchen machines	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-14 Household and similar electrical appliances - Kitchen machines
Household and similar electrical appliances - Appliances for heating liquids	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-15 Household and similar electrical appliances - Appliances for heating liquids
Household and similar electrical appliances - Storage water heaters	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-21 Household and similar electrical appliances - Storage water heaters
Household and similar electrical appliances - Appliances for skin or hair care	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-23 Household and similar electrical appliances - Appliances for skin or hair care
Household and similar electrical appliances - Battery chargers EXCL Tests: Mechanical Strength. Vibration test	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-29 Household and similar electrical appliances - Battery chargers EXCL Tests: Mechanical Strength. Vibration test



Product/Object	Parameter determined	Reference
Household and similar electrical appliances - Room heaters	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-30 Household and similar electrical appliances - Room heaters
Household and similar electrical appliances - Range hoods EXCL Tests: Resistance to heat and fire (Test acc ISO9772)	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-31 Household and similar electrical appliances - Range hoods EXCL Tests: Resistance to heat and fire (Test acc ISO9772)
Household and similar electrical appliances - Massage appliances	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-32 Household and similar electrical appliances - Massage appliances
Household and similar electrical appliances - Particular requirements for instantaneous water heaters	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-35 Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters
Household and similar electrical appliances - Commercial el. Ranges ovens and hob elements	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-36 Household and similar electrical appliances - Commercial el. Ranges ovens and hob elements
Household and similar electrical appliances - Commercial electric griddles and griddle grills	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-38 Household and similar electrical appliances - Commercial electric griddles and griddle grills
Household and similar electrical appliances - Commercial electric forced convection ovens, steam cookers and steam-convection ovens	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-42 Household and similar electrical appliances - Commercial electric forced convection ovens, steam cookers and steam-convection ovens



Product/Object	Parameter determined	Reference
Household and similar electrical appliances – Clothes dryers and towel rails	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-43 Household and similar electrical appliances – Clothes dryers and towel rails
Household and similar electrical appliances – Commercial Electric grills and toasters EXCL Tests: Resistance to heat and fire (Test acc ISO9772)	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-48 Household and similar electrical appliances – Commercial Electric grills and toasters EXCL Tests: Resistance to heat and fire (Test acc ISO9772)
Household and similar electrical appliances – Commercial Electric bains-marie	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-50 Household and similar electrical appliances – Commercial Electric bains-marie
Household and similar electrical appliances – Whirlpool baths	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-60 Household and similar electrical appliances – Whirlpool baths
Household and similar electrical appliances - Particular requirements for commercial dispensing appliances and vending machines	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-75 Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines
Household and similar electrical appliances – Fans	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-80 Household and similar electrical appliances – Fans



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Product/Object	Parameter determined	Reference
Household and similar electrical appliances – Commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-89 Household and similar electrical appliances – Commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor EXCL Tests: Construction. Test for flammable refrigerants (IEC60079-15)
Household and similar electrical appliances.- Gas, oil and solid-fuel burning appliances having electrical connections	Tests electrical safety as detailed in the standard	IEC NBN EN 60335-2-102 Household and similar electrical appliances.- Gas, oil and solid-fuel burning appliances having electrical connections
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations	Tests electrical safety as detailed in the standard	IEC NBN EN 60670-1 Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements EXCL. § 21
Switches for household and similar fixed-electrical installations - General requirements	Tests electrical safety as detailed in the standard	IEC NBN EN 60669-1 Switches for household and similar fixed-electrical installations - Part 1: General requirements EXCL Tests: Inspection and chemical tests on metals of current carrying parts. EXCL. § 18; 19; 26
Switches for household and similar fixed electrical installations - Electronic switches	Tests electrical safety as detailed in the standard	NBN EN 60669-2-1 Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches EXCL Tests: § 26.1.1; 26.1.2; 26.1.3; 26.1.4; 26.1.5; 18.102; 13.103; 101; 102



Product/Object	Parameter determined	Reference
Switches for household and similar fixed electrical installations - Electromagnetic remote-control switches (RCS)	Tests electrical safety as detailed in the standard	IEC NBN EN 60669-2-2 Switches for household and similar fixed electrical installations - Part 2: Particular requirements -- Section 2: Electromagnetic remote-control switches (RSC) EXCL Tests: § 26 ; 101; 102; 13.103; 18.102
Switches for household and similar fixed electrical installations - Time delay switches (TDS)	Tests electrical safety as detailed in the standard	IEC NBN EN 60669-2-3 Switches for household and similar fixed electrical installations - Part 2-3: Particular requirements - Time delay switches (TDS) EXCL Tests: § 26 ; 101; 102; 13.103; 18.102
Switches for household and similar fixed electrical installations - Isolating switches	Tests electrical safety as detailed in the standard	IEC NBN EN 60669-2-4 Switches for household and similar fixed electrical installations - Part 2-4: Particular requirements - Isolating switches EXCL Tests: § 17; 18; 19; 26 ; 16.101; 18.101; 22.5 to 22.7
Plugs and socket-outlets for household and similar purposes -	Tests electrical safety as detailed in the standard	IEC NBN EN 60884-1 Plugs and socket-outlets for household and similar purposes - Part 1: General requirements . EXCL. § 11.5; 12.2; 14.23.1; 20; 21
Cduit systems for cable management - Part 1:General requirements	Tests electrical safety as detailed in the standard	NBN EN 61386-1 Cduit systems for cable management - Part 1:General requirements
Cduit systems for cable management - Part 21:Particular requirements - Rigid conduit systems	Tests electrical safety as detailed in the standard	NBN EN 61386-21 Cduit systems for cable management - Part 21:Particular requirements - Rigid conduit systems
Cduit systems for cable management - Part 22:Particular requirements - Pliable conduit systems	Tests electrical safety as detailed in the standard	NBN EN 61386-22 Cduit systems for cable management - Part 22:Particular requirements - Pliable conduit systems



Product/Object	Parameter determined	Reference
Luminaires – General requirements and tests	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-1 Luminaires – Part 1: General requirements and tests EXCLTests: Protective measure against UV radiation; Rough service luminaires (Vibration test)
Luminaires - Fixed general purpose luminaires	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-1 Luminaires - Part 2: Particular requirements Section 1: Fixed general purpose luminaires
Luminaires - Recessed luminaires	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-2 Luminaires - Part 2 - Particular requirements Section 2: Recessed luminaires
Luminaires - Luminaires for road and street lighting	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-3 Luminaires - Part 2 - Particular requirements Section 3: Luminaires for road and street lighting
Luminaires - Portable general purpose luminaires	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-4 Luminaires - Part 2 - Particular requirements Section 4: Portable general purpose luminaires
Luminaires - Floodlights	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-5 Luminaires - Part 2 - Particular requirements Section 5: Floodlights
Luminaires - Luminaires with built-in transformers for filament lamps	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-6 Luminaires - Part 2: Particular requirements Section 6: Luminaires with built-in transformers for filament lamps
Luminaires – Portable luminaires for garden use	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-7 Luminaires – Part 2 – Particular requirements Section 7: Portable luminaires for garden use
Luminaires - Portable luminaires for children	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-10 Luminaires - Part 2 - Particular requirements Section 10: Portable luminaires for children EXCLTests: Burning behavior for pile surface or textile surface
Luminaires - Aquarium luminaires	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-11 Luminaires - Part 2: Particular requirements Section 11: Aquarium luminaires



Product/Object	Parameter determined	Reference
Luminaires - Mains socket-outlet mounted nightlights	Tests electrical safety as detailed in the standard	NBN EN 60598-2-12 Luminaires - Part 2 - Particular requirements Section 12: Mains socket-outlet mounted nightlights
Luminaires - Ground recessed luminaires	Tests electrical safety as detailed in the standard	NBN EN 60598-2-13 Luminaires - Part 2 - Particular requirements Section 13: Ground recessed luminaires
Luminaires - Lighting chains	Tests electrical safety as detailed in the standard	IEC NBN EN 60598-2-20 Luminaires - Part 2 - Particular requirements Section 20: Lighting chains
Lamp controlgear - General and safety requirements	Tests electrical safety as detailed in the standard	61347-1 Lamp controlgear - Part 1: General and safety requirements
Lamp controlgear - Particular requirements for miscellaneous electronic circuits used with luminaires	Tests electrical safety as detailed in the standard	61347-2-11 Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires
Lamp controlgear - Particular requirements for d.c. Or a.c. Supplied electronic controlgear for LED modules	Tests electrical safety as detailed in the standard	61347-2-13 Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	Tests electrical safety as detailed in the standard	NBN EN UL CSA 61010-1 Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
Medical electrical equipment - General requirements for basic and essential performance	Tests electrical safety as detailed in the standard	IEC NBN EN 60601-1 CAN/CSA C22.2 N°60601-1 ANSI/AAMI ES 60601-1 Medical electrical equipment - Part 1: General requirements for basic and essential performance EXCLTests: § 25; 29; 36; 44



Product/Object	Parameter determined	Reference
Medical electrical equipment - Safety requirements for medical electrical systems	Tests electrical safety as detailed in the standard	IEC NBN EN 60601-1-1 Medical electrical equipment - Part 1-1: General requirements for safety - Collateral standard: Safety requirements for medical electrical systems
Medical electrical equipment - Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment	Tests electrical safety as detailed in the standard	IEC NBN EN 60601-2-22 Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment
Medical electrical equipment - Particular requirements for the basic safety and essential performance of electrocardiographs	Tests electrical safety as detailed in the standard	NBN EN 60601-2-25 Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs
Medical Electrical Equipment Particular Requirements for the basic safety and essential performance of electroencephalographs	Tests electrical safety as detailed in the standard	IEC NBN EN 60601-2-26 Medical Electrical Equipment Part 2-26: Particular Requirements for the basic safety and essential performance of electroencephalographs
Medical electrical equipment - Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment	Tests electrical safety as detailed in the standard	IEC NBN EN 60601-2-27 Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment



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Product/Object	Parameter determined	Reference
Safety of information technology equipment	Tests electrical safety as detailed in the standard	IEC NBN EN 60950 Safety of information technology equipment EXCL Tests: § 2.10.6.6; 4.3.12; 4.3.13; 4.7.3; 4.2.8; 7
Information technology equipment - Safety - Part 1: General requirements	Tests electrical safety as detailed in the standard	IEC NBN EN UL CAN/CSA C22.2 60950-1 Information technology equipment - Safety - Part 1: General requirements EXCL Tests: 4.2.8; 4.3.12; 4.3.13; 4.6.2; Materials, tests see Annex A
Uninterruptible power systems (UPS) - General and safety requirements for UPS	Tests electrical safety as detailed in the standard	IEC 62040-1 Uninterruptible power systems (UPS) - Part 1: General and safety requirements for UPS
Uninterruptible power systems (UPS) - General and safety requirements for UPS used in operator access areas	Tests electrical safety as detailed in the standard	IEC NBN EN 62040-1-1 Uninterruptible power systems (UPS) - Part 1-1: General and safety requirements for UPS used in operator access areas
Uninterruptible power systems (UPS) - General and safety requirements for UPS used in restricted access locations	Tests electrical safety as detailed in the standard	IEC NBN EN 62040-1-2 Uninterruptible power systems (UPS) - Part 1-2: General and safety requirements for UPS used in restricted access locations
Low-voltage switchgear and controlgear assemblies - General rules	Tests electrical safety as detailed in the standard	IEC NBN EN 61439-1 Low-voltage switchgear and controlgear assemblies - Part 1: General rules Only Clauses § 8.2.1; 8.2.2; 8.2.3; 8.3.1; 8.3.2; 8.3.3; 8.4



Product/Object	Parameter determined	Reference
Low-voltage switchgear and controlgear assemblies - Power switchgear and controlgear assemblies	Tests electrical safety as detailed in the standard	IEC NBN EN 61439-2 Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies Only Clauses § 8
Low-voltage switchgear and controlgear assemblies for Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards	Tests electrical safety as detailed in the standard	IEC NBN EN 61439-3 Low-voltage switchgear and controlgear assemblies - Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Only § 8
Safety of power transformers, power supplies, reactors and similar products - General requirements and tests	Tests electrical safety as detailed in the standard	IEC NBN EN 61558-1 Safety of power transformers, power supplies, reactors and similar products - Part 1: General requirements and tests
Safety of power transformers, power supply units and similar - Particular requirements for separating transformers for general use	Tests electrical safety as detailed in the standard	NBN EN 61558-2-1 Safety of power transformers, power supply units and similar - Part 2.1: Particular requirements for separating transformers for general use



Product/Object	Parameter determined	Reference
<p>Safety of power transformers, power supply units and similar - Particular requirements and tests for control transformers and power supplies incorporating control transformers.</p>	<p>Tests electrical safety as detailed in the standard</p>	<p>NBN EN 61558-2-2 Safety of power transformers, power supply units and similar - Part 2.2: Particular requirements and tests for control transformers and power supplies incorporating control transformers.</p>
<p>Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers</p>	<p>Tests electrical safety as detailed in the standard</p>	<p>IEC NBN EN 61558-2-4 Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transf</p>
<p>Safety of power transformers, power supply units and similar - Particular requirements for shaver transformers and shaver supply units.</p>	<p>Tests electrical safety as detailed in the standard</p>	<p>NBN EN 61558-2-5 Safety of power transformers, power supply units and similar - Part 2.5: Particular requirements for shaver transformers and shaver supply units.</p>



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Product/Object	Parameter determined	Reference
Safety of power transformers, power supply units and similar - Particular requirements for safety isolating transformers for general use	Tests electrical safety as detailed in the standard	IEC NBN EN 61558-2-6 Safety of power transformers, power supply units and similar - Part 2 Particular requirements for safety isolating transformers for general use
Safety of power transformers, power supply units and similar devices - Particular requirements for auto-transformers for general use.	Tests electrical safety as detailed in the standard	NBN EN 61558-2-13 Safety of power transformers, power supply units and similar devices - Part 2-13: Particular requirements for auto-transformers for general use.
Safety of transformers, reactors, power supply units and similar products for voltages up to 1 100 V - Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units	Tests electrical safety as detailed in the standard	IEC 61558-2-16 Safety of transformers, reactors, power supply units and similar products for voltages up to 1 100 V - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units
Safety of power transformers, power supply units and similar -	Tests electrical safety as detailed in the standard	NBN EN 61558-2-17 Safety of power transformers, power supply units and similar - Part 2.17:
Electrical Cables	Tests electrical safety as detailed in the standard	IEC NBN EN UL CSA 60065 Audio, video and similar electronic apparatus - Safety requirements EXCLTests: Annex A: 8.18; 7; 6.1



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Product/Object	Parameter determined	Reference
GENERIC Tests		
G60525/W	All, except power cables and cords Resistance to harmful ingress of water (IPx1-IPx8) Degree protection against water// max. LengthXHeightXWidth : IPX1&2 1mx1mx1m ; IPX3&4 1mx1mx1m ; IPX5&6 2mx1,5mx2m ; IPX7&8 Diam 0,5Mx1,3mlenght	IEC / EN / NBN EN 60529
G60525/FO	All, except power cables and cords Degree of protection against access to hazardous parts and against solid foreign objects (IP1x- IP6x) Degree protection // max. LengthXDiam : IP5X&6x 1,2mx07m	IEC / EN / NBN EN 60529
G60695.1 1.5	All, except power cables and cords and Electrical equipt for medical use Fire hazard testing; Needle Flame	IEC / EN / NBN EN 60695-11-5
G60695.1 1.4	Household, Electrical equipt for medical use, UPS, IT & office equipment, Measuring instruments, Electronic appliances Fire hazard testing. Test flames - 50W	IEC / EN / NBN EN 60695-11-10
G60695.1 1.3	IT & office equipment Fire hazard testing. Test flames - 500W	IEC / EN / NBN EN 60695-11-20
G60695.1 1.2	Power cables and cords Fire hazard testing. Test flames - 1000W	IEC / EN / NBN EN 60695-2-4
G60695.2.10	All, except power cables and cords and equipt for medical use. Fires hazard testing. Glow wire	IEC / EN / NBN EN 60695-2-10
G60695.1 0.2	All, except power cables and cords Fire hazard testing; Ball pressure testing	IEC / EN / NBN EN 60695-10-2
G62262	All, except power cables and cords Impact test (Code IK01 to IK10)	IEC / EN / NBN EN 62262



Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV

Signatory to the Multilateral Agreements of
EA, ILAC and IAF for Mutual Recognition

Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the certification body

DEKRA Certification GmbH
Handwerkstraße 15, 70565 Stuttgart

is competent under the terms of DIN EN ISO/IEC 17021:2011 to carry out certifications of management systems in the following fields:

- DIN EN ISO 14001:2009 Environmental Management Systems
- DIN EN ISO 9001:2008 Quality Management Systems
- Management requirements of the BGW for occupational health and safety (MAAS-BGW), Version 04/2013 – based on DIN EN ISO 9001:2008
- DIN EN ISO 50001:2011 Energy Management Systems (EnMS)
- DIN EN ISO 22000:2005 Certification of Food Safety Management Systems according to ISO/TS 22003:2007
- FSSC 22000 Certification scheme for food safety systems
- DIN ISO/IEC 27001:2013 Information technology - Security techniques - Information security management systems according to ISO/IEC 27006:2011
- BS OHSAS 18001:2007 Occupational Health and Safety Management Systems
- Normative SCC-Regelwerk: Version 2011 DGMK e.V. SHE-/SCC-Management Systems
- DIN ISO 29990:2010 Learning services for non-formal education and training – Basic requirements for service providers

The accreditation certificate shall only apply in connection with the notice of accreditation of 18.12.2014 with the accreditation number D-ZM-16029-01 and is valid until 17.12.2019. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 8 pages.

Registration number of the certificate: D-ZM-16029-01-01

Frankfurt am Main, 18.12.2014

Peter Hissnauer
Head of Division

This document is a translation. The definitive version is the original German accreditation certificate.
See notes overleaf.



Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-ZM-16029-01-01
according to DIN EN ISO/IEC 17021:2011

Period of validity: 18.12.2014 to 17.12.2019 Date of issue: 18.12.2014

Holder of certificate:

DEKRA Certification GmbH
Handwerkstraße 15, 70565 Stuttgart

Certifications of management systems in the fields:

DIN EN ISO 14001:2009 Environmental Management Systems

With the Branch Offices:

Cerdany 44
ES-08820 El Prat de Llobregat
Spain

265 West Street
Tuinhof Office Park, Karee Building
ZA-0157 Centurion
South Africa

Str. Constantin Brancusi Nr. 131
RO-400458 Cluj-Napoca
Romania

Via Fratelli Gracchi 27 – Torre Sud
IT-20092 Cinisello Balsamo (MI)
Italy

Türkova 1001/9
CZ-149 00 Praha 4
Czech Republic

Plac Solny 20
PL-50-063 Wroclaw
Poland



Subin

Annex to the Accreditation Certificate D-ZM-16029-01-01

Pannonhalmi út 14
HU-1118 Budapest
Hungary

Floor 14, International Sunyard
No. 1750 Jianghong Avenue
Binjiang District
310052 Hangzhou
China

Certification of management systems in the following fields:

DIN EN ISO 14001:2009 Environmental Management Systems

IAF/EA – Description of economic sectors
Scope

2	Mining and quarrying
3	Food products, beverages and tobacco
4	Textiles and textile products
6	Wood and wood products
7	Pulp, paper and paper products
8	Publishing companies
9	Printing companies
12	Chemical, chemical products and fibres
13	Pharmaceuticals
14	Rubber and plastic products
15	Non-metallic mineral products
16	Concrete, cement, lime, plaster, etc.
17/1	Basic metals
17/2	Fabricated metal products
18	Machinery and equipment
19	Electrical and optical equipment
22	Other transport equipment
23	Manufacturing of products not elsewhere classified
24	Recycling
25	Electricity supply
26	Gas supply
	Description of economic sectors

Period of validity: 18.12.2014 to 17.12.2019

Date of issue: 18.12.2014



IAF/EA – Description of economic sectors
Scope

27	Water supply
28	Construction
29/1	Wholesale and retail trade
29/2	Repair of motor vehicles, motorcycles and personal and household goods
30	Hotels and restaurants
31/1	Transport, storage and logistics
31/2	Communication
32	Financial intermediation, real estate, renting of equipment
33	Information technology
34	Research institutes; engineering and architect offices
35	Other services
36	Public administration
37	Education
38/1	Health / veterinarian
38/2	Social work
39	Other social services



Annex to the Accreditation Certificate D-ZM-16029-01-01

Certification of management systems in the following fields:

DIN EN ISO 9001:2008 Quality Management Systems

With the branch offices:

Cerdany 44
ES-08820 El Prat de Llobregat
Spain

265 West Street
Tuinhof Office Park, Karee Building
ZA-0157 Centurion
South Africa

Str. Constantin Brancusi Nr. 131
RO-400458 Cluj-Napoca
Romania

Via Fratelli Gracchi 27 – Torre Sud
IT-20092 Cinisello Balsamo (MI)
Italy

Türkova 1001/9
CZ-149 00 Praha 4
Czech Republic

Plac Solny 20
PL-50-063 Wroclaw
Poland

Pannonhalmi út 14
HU-1118 Budapest
Ungarn

Floor 14, International Sunyard
No. 1750 Jianghong Avenue
Binjiang District
310052 Hangzhou
China

Period of validity: 18.12.2014 to 17.12.2019

Date of issue: 18.12.2014



DIN EN ISO 9001:2008 Quality Management Systems

IAF/EA – Scope	Description of economic sectors
1	Agriculture, forestry and fishing
2	Mining and quarrying
3	Food products, beverages and tobacco
4	Textiles and textile products
5	Leather and leather products
6	Wood and wood products
7	Pulp, paper and paper products
8	Publishing companies
9	Printing companies
12	Chemical, chemical products and fibres
13	Pharmaceuticals
14	Rubber and plastic products
15	Non-metallic mineral products
16	Concrete, cement, lime, plaster, etc.
17	Basic metals and fabricated metal products
18	Machinery and equipment
19	Electrical and optical equipment
21	Aerospace
22	Other transport equipment
23	Manufacturing of products not elsewhere classified
24	Recycling
25	Electricity supply
26	Gas supply
27	Water supply
28	Construction
29/1	Wholesale and retail trade
29/2	Repair of motor vehicles, motorcycles and personal and household goods
30	Hotels and restaurants
31/1	Transport, storage and logistics
31/2	Communication
32/1	Financial intermediation, real estate
32/2	Renting of equipment
33	Information technology
34/1	Research institutes
34/2	Engineering and architect offices



Annex to the Accreditation Certificate D-ZM-16029-01-01

IAF/EA – Scope	Description of economic sectors
35	Other services
36	Public administration
37	Education
38/1	Health
38/2	Veterinarian
38/3	Social work
39	Other social services

Management requirements of the BGW for occupational health and safety (MAAS-BGW),
Version 04/2013 – based on DIN EN ISO 9001:2008

DIN EN ISO 22000:2005 Certification of Food Safety Management Systems according to
ISO/TS 22003:2007

DIN/ISO
TS 22003 Categories in accordance with Annex A ISO/TS 22003
Category

A	Farming 1 (Animals)
B	Farming 2 (Plants)
C	Processing 1 (Perishable animal products)
D	Processing 2 (Perishable vegetable products)
E	Processing 3 (Products with long shelf life at ambient temperature)
F	Feed production
G	Catering
H	Distribution
I	Services
J	Transport and Storage
K	Equipment manufacturing
L	(Bio-) chemical manufacturing
M	Packaging material manufacturing

Period of validity: 18.12.2014 to 17.12.2019

Date of issue: 18.12.2014



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FSSC 22000 Certification scheme for food safety systems according to ISO/TS 22003:2007

DIN/ISO

TS 22003 Categories in accordance with Annex A ISO/TS 22003

Category

C	Processing 1 (Perishable animal products)
D	Processing 2 (Perishable vegetable products)
E	Processing 3 (Products with long shelf life at ambient temperature)
L	(Bio-) chemical manufacturing
M	Packaging material manufacturing

DIN ISO/IEC 27001:2013 Information technology – Security techniques – Information security management systems according to ISO/IEC 27006:2011

DIN EN ISO 50001:2011 Energy Management Systems (EnMS)

Sector Description of economic sectors

A	Industrial EnMS (corresponds to EA-Scopes 1 – 28 and 29/2)
B	Non-industrial EnMS (corresponds to EA-Scopes 29/1 – 39)

BS OHSAS 18001:2007 Occupational Health and Safety Management Systems

Normative SCC-Regelwerk: Version 2011 DGMK e.V. SHE-/SCC-Management Systems in folgenden Scopes:

SCC (Contractors / Industrial Enterprises)

SCP (Temporary Employment Agencies)

Safety-, Health- and Environment Protection- SHE/SCC- according to current DGMK e. V. – SCC-scheme

DIN ISO 29990:2010 Learning services for non-formal education and training – Basic requirements for service providers



Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
EA	European co-operation for Accreditation
EN	Europäische Norm
IAF	International Accreditation Forum
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
BS	British Standard
OHSAS	Occupational Health and Safety Assessment Series
SCC	Sicherheits Certifikat Contractoren
DGMK	Deutsche Wissenschaftliche Gesellschaft für Erdöl, Erdgas und Kohle e. V.



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Signatory to EA, ILAC and IAF
Multilateral Agreements

Organisme belge d'Accréditation
Belgische Accreditatie-instelling
Belgian Accreditation Body

Annexe au certificat d'accréditation
Bijlage bij accreditatie-certificaat
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

226-TEST

NBN EN ISO/IEC 17025:2005

Version/Versie/Version/Fassung	7
Date d'émission / Uitgiftedatum / Issue date / Ausgabedatum:	2016-05-19
Date limite de validité / Geldigheidsdatum / Validity date / Gültigkeitsdatum:	2021-05-27

Nicole Meurée-Vanlaethem

La Présidente du Bureau d'Accréditation
Voorzitter van het Accreditatiebureau
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

L'accréditation est délivrée à/ De accreditatie werd uitgereikt aan/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:

LABORATOIRE DE PHOTOMETRIE DE R-TECH
Rue de Mons, 3
4000 LIEGE

Secrétariat :
Service public fédéral Economie,
P.M.E., Classes moyennes et Energie
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II 16
1000 Bruxelles
Website : <http://economie.fgov.be>
Numéro d'entreprise : 0314.595.348

Accréditation BELAC Accreditation

Tel.: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: <http://belac.fgov.be>
E-mail: Belac@economie.fgov.be

Secretariaat:
Federale Overheidsdienst Economie,
K.M.O., Middenstand en Energie
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348



.be

BELAC BELAC BELAC

Code essai <i>Test Code</i>	Echantillons <i>Samples</i>	Caractéristique mesurée Gamme de mesure <i>Measurement Measurement range</i>	Description méthode d'essai Equipement <i>Testing Methodology Description Equipment</i>
PTP-01	Lampes à incandescence ou à décharge pour luminaires. <i>Incandescent or high intensity discharge lamp for luminaires.</i>	Flux lumineux exprimé en lumen (lm) <i>Luminous flux in lumen (lm)</i>	Mesure du flux lumineux en sphère d'Ulbricht selon la norme de référence EN 13032-1 § 6.1.2. Pour toutes lampes sauf les LED (Solid State Lighting) <i>Luminous flux measurement with Ulbright's sphere according to EN 13032 § 6.1.2 Standard for all light sources except LED (Solid State Lighting)</i>
PTP-01	Sources lumineuses de type LED pour luminaires. <i>Led light source for luminaires.</i>	Flux lumineux exprimé en lumen (lm) <i>Luminous flux in lumen (lm)</i>	Mesure du flux lumineux en sphère d'Ulbricht selon la norme de référence EN 13032-1 § 6.1.2 et IES LM79-08. Pour LEDs (Solid State Lighting) <i>Luminous flux measurement with Ulbright's sphere according to EN 13032 § 6.1.2 and IES LM79-08 Standard. For LED (Solid State Lighting)</i>
PTP-02	Luminaires pour lampes à incandescence ou à décharge <i>Luminaires for incandescent, HID lamp</i>	Distribution des intensités lumineuses exprimées en candela (cd) <i>Light distribution in candela (cd)</i>	Relevé photométrique au goniophotomètre selon la norme de référence EN 13032-1 et CIE 121-1996 Pour toutes lampes sauf les LED (Solid State Lighting) <i>Light distribution measurement with gonio according to EN 13032-1 and CIE 121-1996 Standard for all light sources except LED (Solid State Lighting)</i>
PTP-02	Luminaires à sources lumineuses de type LED pour luminaires. <i>Luminaires for LED light sources.</i>	Distribution des intensités lumineuses exprimées en candela (cd) <i>Light distribution in candela (cd)</i>	Relevé photométrique au goniophotomètre selon la norme de référence EN 13032-1, CIE 121-1996 et IES LM79-08 Pour les LED (Solid State Lighting) <i>Light distribution measurement with gonio according to EN 13032-1, CIE 121-1996 and IES LM79-08 Standard. For LED (Solid State Lighting)</i>



Annexe/Bijlage/Annex/Beilage

BELAC 226-TEST

Code essai Test Code	Echantillons Samples	Caractéristique mesurée Gamme de mesure Measurement Measurement range	Description méthode d'essai Equipment Testing Methodology Description Equipment
PTP-09	Lampes à incandescence ou à décharge pour luminaires ou luminaires associés. <i>Incandescent or high intensity discharge lamp for luminaires or associated luminaires.</i>	Données colorimétriques : IRC, T° de couleur, coordonnées trichromatiques, données spectrales (domaine du visible) <i>Colorimetric values, CRI, CCT, tristimulus values, spectrum (visible range)</i>	Relevé colorimétrique en sphère via spectromètre selon la norme de référence EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) Pour équipements lumineux sauf ceux incluant des LED (Solid State Lighting) <i>Colorimetric measurement with spectrometric sphere to EN 13032-1 and CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) Standard for all light equipment except LED (Solid State Lighting)</i>
PTP-09	Sources lumineuses de type LED pour luminaires ou luminaires associés. <i>Led light source for luminaires or associated luminaires.</i>	Données colorimétriques : IRC, T° de couleur, coordonnées trichromatiques, données spectrales (domaine du visible) <i>Colorimetric values, CRI, CCT, tristimulus values, spectrum (visible range)</i>	Relevé colorimétrique en sphère et spectromètre selon la norme de référence EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) et IES LM79-08 pour équipements lumineux à LED (Solid State Lighting) <i>Colorimetric measurement with spectrometric sphere according to EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) and IES LM79-08 Standard. For LED light equipment (Solid State Lighting)</i>



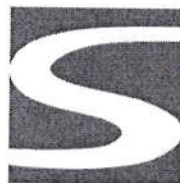
Annexe/Bijlage/Annex/Beilage

BELAC 226-TEST

V. 7 - 3/3

CERTIFICAT

Schröder



ISO 9001:2008

DEKRA Certification GmbH certifică prin aceasta că

Schröder Romania S.R.L.

Domeniul de certificare:

Proiectare luminotehnică și de sisteme de iluminat; comercializare echipamente electrice de iluminat

Locația certificată:

Str. Corneliu Coposu Nr.167A, RO-400228 Cluj-Napoca

a implementat și menține un sistem de management al calității, conform standardului menționat mai sus și aplică acest sistem în mod eficace. Certificatul a fost eliberat în urma parcurgerii auditului de certificare, raport nr. 314R1517.

Certificatul este valabil din: 18.05.2017 până în 19.04.2018

Nr. înregistrare certificat: 50415219

Lothar Weinhofen

Lothar Weinhofen
DEKRA Certification GmbH Stuttgart; 18.05.2017



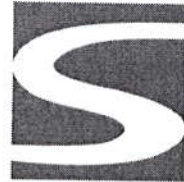
Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01



Lothar Weinhofen

CERTIFICAT

Schröder



ISO 14001:2004

DEKRA Certification GmbH certifică prin aceasta că

Schröder Romania S.R.L.

Domeniul de certificare:

Proiectare lumino-tehnică și de sisteme de iluminat; comercializare echipamente electrice de iluminat

Locația certificată:

Str. Corneliu Coposu Nr.167A, RO-400228 Cluj-Napoca

a implementat și menține un sistem de management de mediu, conform standardului menționat mai sus și aplică acest sistem în mod eficace. Certificatul a fost eliberat în urma parcurgerii auditului de certificare, raport nr. 314R1517.

Certificatul este valabil din 18.05.2017 în 19.04.2018

Nr. înregistrare certificat: 170415042

Lothar Weinofen

DEKRA Certification GmbH Stuttgart, 18.05.2017



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01



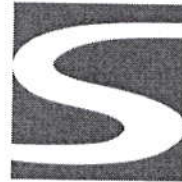
DEKRA Certification GmbH, Handwerkstraße 15, D-70565 Stuttgart, www.dekra-certification.de

pagina 1 din 1

[Signature]

CERTIFICAT

Schröder



BS OHSAS 18001:2007

DEKRA Certification GmbH certifică prin aceasta că

Schröder Romania S.R.L.

Domeniul de certificare:

Proiectare lumino-tehnică și de sisteme de iluminat; comercializare echipamente electrice de iluminat

Locația certificată:

Str. Corneliu Coposu Nr.167A, RO-400228 Cluj-Napoca

a implementat și menține un sistem de management al sănătății și securității ocupaționale, conform standardului mai sus menționat și aplică acest sistem în mod eficace. Dovada a fost prezentată în cadrul auditului de certificare prin raportul nr. 314R1517.

Certificatul este valabil din 18.05.2017 până în 19.04.2018

Nr. înregistrare certificat: 270415022

Lothar Weinhofen

Lothar Weinhofen
DEKRA Certification GmbH Stuttgart, 18.05.2017



Deutsche
Akkreditierungsstelle
D-ZM-16029-01-01



DEKRA Certification GmbH, Handwerkstraße 15, D-70565 Stuttgart, www.dekra-certification.de

página 1 din 1

Lothar Weinhofen

SUPERVISED MANUFACTURER'S TESTING

Report nr. CEBEC-002B

SGS Belgium NV

Division SGS CEBEC

Business Riverside Park
Bld Internationalelaan, 55 Build. D
B-1070 Brussels - Belgium

Acting as national Certification Body participation in the Certification Bodies Scheme (CB Scheme) and the European Certification System (ECS) has recognized the following laboratory as

SMT laboratory nr. CEBEC-002

Operating in the framework of the IECEE CB-scheme and ECS certification system (CCA and ENEC).

Approved laboratory, name and address:

Service Laboratoire
R-TECH S.A.
Rue de Mons, 3
BE-4000 LIEGE

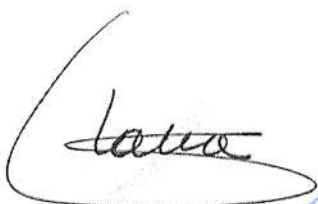
Manufacturing factories:

European Factories
Belonging to the
Schröder Group G.I.E.

Products covered by the contract:

<u>Category</u>	<u>Standards</u>	<u>Products</u>
LITE	IEC/EN 60598-1 IEC/EN 60598-2-1 IEC/EN 60598-2-3 IEC/EN 60598-2-5 IEC/EN 60598-2-13	Luminaires Fixed general purpose luminaires Luminaires for road and street lighting Floodlights Ground recessed luminaires

Brussels, 2013-02-01


ir. C. Lana,
Certification Manager



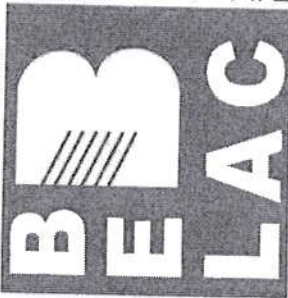
SGS Belgium NV

Division SGS CEBEC Bld Internationalelaan, 55 Build. D B-1070 Bruxelles/Brussel tel. +32 (0) 556 00 20 fax: +32 (0) 556 00 36 www.cebec.sgs.com
Siège Social/Maatschappelijke Zetel: SGS House Noorderlaan 87 B-2030 Antwerpen

Member of the SGS Group (Société Générale de Surveillance)

RPM/RPR Anvers/Antwerpen TVA/BTW BE 404.882.750 Dexia 550-3560000-93





Organisme belge d'Accréditation
 Belgische Accreditatieinstelling
 Belgische Akkreditierungsstelle
 Belgian Accreditation Body

Signatory to EA, ILAC and IAF
 Multilateral Agreements

Accreditation Certificate No. 226-TEST

In compliance with the provisions of the Royal Decree of 31 January 2006 setting up BELAC, the Accreditation Board hereby declares, that the test laboratory

LABORATOIRE DE PHOTOMETRIE DE R-TECH
Rue de Mons, 3
4000 LIEGE - Belgium

has the competence to perform the tests as described in the annex which is an integral part of the present certificate, in accordance with the requirements of the standard NBN EN ISO/IEC 17025:2005. The present accreditation is the subject of regular surveillance in order to confirm the compliance with the accreditation conditions.

The Chair of the Accreditation Board BELAC,

Nicole MEURÉE-VANLAETHEM

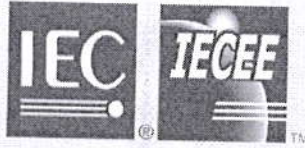
.be



Issue date : 2016-05-19

Validity date : 2021-05-27

Original version of this certificate is in French.



Certificate of Acceptance

To participate
in the IECEE CB Scheme – IEC System of Conformity Assessment Schemes for Electrotechnical
Equipment and Components (IECEE)

SGS Belgium N.V. - Division SGS-CEBEC

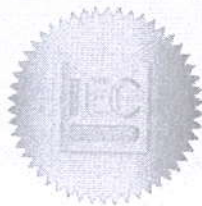
Business Riverside Park
Avenue Internationalelaan 55 Build. D
BE-1070 BRUSSEL
Belgium

has been assessed and determined to fully comply with the requirements of ISO/IEC 17065: 2012,
The Basic Rules, IECEE 01: 2016-10 and Rules of Procedure IECEE 02: 2017-06, and the relevant IECEE CB-Scheme
Operational Documents.

SGS Belgium N.V. - Division SGS-CEBEC

is therefore entitled to operate as an Issuing and Recognising National Certification Body (NCB)
within the IECEE CB Scheme for the Scope (Product Category(ies) and Standard(s)) as listed in the relevant part of the
IECEE Web Site at www.iecee.org, and is subject to all other terms as set forth in the IECEE Basic Rules
and Rules of Procedure.

The IECEE membership status of this NCB can be verified on the aforementioned site.



Date of Issue: 2017-09-01
CB002

Kerry McManama
IECEE Executive Secretary



SGS

TESTARE SUPERVIZATĂ DE PRODUCĂTOR

Raport nr. CEBEC-002B

SGS Belgia NV

Divizia SGS CEBEC

Business Riverside Park
Bld Internationalelaan, 55 Build. D
B-1070 Brussels - Belgium

Activând ca și Organism National de Certificare participare la Sistemul de Organisme de Certificare (CB Scheme) și Sistemul de certificare European (ECS), se recunoaște următorul laborator ca

SMT laboratory nr.CEBEC-002

operând în conformitate cu prescripțiile de certificare IECEE CB și sistemul de certificare ECS (CCA și ENEC).

Laborator aprobat, nume și adresă:

**Service laboratoire
R-TECH S.A.
Rue de Mons, 3
B-4000 LIEGE**

Fabricile producătorului:

**Fabrici Europene
aparținând
Schreder Group G.I.E.**

Produse menționate în contract:

Categorie	Standarde	Produse
LITE	IEC/EN 60598-1	Aparate de iluminat
	IEC/EN 60598-2-1	Aparate de iluminat de uz general
	IEC/EN 60598-2-3	Aparate de iluminat stradal
	IEC/EN 60598-2-5	Proiectoare
	IEC/EN 60598-2-5	Aparate de iluminat încastrate în sol

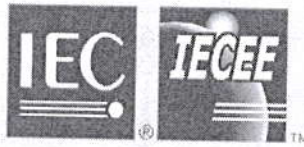
Brussels, 2013-02-01

SGS Belgium NV
CEBEC

ir. C. Lana,
Director de Certificare



Handwritten signature



Certificate of Acceptance

To participate
in the IECEE CB Scheme – IEC System of Conformity Assessment Schemes for Electrotechnical
Equipment and Components (IECEE)

SGS Belgium NV – Division SGS CEBEC

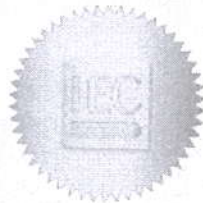
Riverside Business Park
Bld. Internationalelaan 55 Build. B1
BE-1070 Brussels
Belgium

has been assessed and determined to fully comply with the requirements of ISO/IEC 17025: 2005-05,
The Basic Rules, IECEE 01: 2016-10 and Rules of Procedure IECEE 02: 2017-06, and the relevant IECEE CB-Scheme
Operational Documents.

SGS Belgium NV – Division SGS CEBEC

is therefore entitled to operate as a CB Testing Laboratory (CBTL) under the responsibility of SGS Belgium N.V. - Division
SGS-CEBEC as National Certification Body (NCB) and to carry out testing within the IECEE CB Scheme for the Scope
(Product Category(ies) and Standard(s)) as listed in the relevant part of the IECEE Web Site at www.iecee.org, and
is subject to all other terms as set forth in the IECEE Basic Rules and Rules of Procedure

The IECEE membership status of this CBTL can be verified on the aforementioned site.



Kerry McManama

Date of Issue 2017-09-01
TL173

Kerry McManama
IECEE Executive Secretary



SGS