# *EU Declaration of Conformity*

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| Document number: | 2022 / 9C1-4134631-EN-00 |
| Manufacturer or representative: | LEDVANCE GmbH |
| Address: | Parkring 29-33<br>85748 Garching<br>Germany |
| Brand name or trade mark: | LEDVANCE |
| Product type: | Luminaire |
| Product designation: | PANEL ESSENTIAL LUM |
| | ☒ See attached list |

The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation:

| | | |
|---|---|---|
| ☒ | **2014/35/EU** and amendments | **Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits** |
| ☒ | **2014/30/EU** and amendments | **Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility** |
| ☒ | **2009/125/EC** and amendments, incl. | **Directive of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products** |
| ☒ | **2019/2020** and amendments | **Commission Regulation (EU) 2019/2020 of 1 October 2019 laying down ecodesign requirements for light sources and separate control gears pursuant to Directive 2009/125/EC of the European Parliament and of the Council** |
| ☒ | **2019/2015** and amendments | **Commission Delegated Regulation (EU) 2019/2015 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of light sources and repealing Commission Delegated Regulation (EU) No 874/2012** |
| ☒ | **2011/65/EU** and amendments | **Directive of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment** |
| ☐ | **2014/53EU** and amendments | **Directive of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC** |

Last two digits of the year in which the CE marking was affixed: 22

Place and date of signatures: Sep.22,2022

| | Quality Management | Quality Assurance |
|---|---|---|
| Signatures: | | |
| Names: | Scheyer,Yannick | Shufen,Chen |

Customer service contact: LEDVANCE GmbH, Steinerne Furt 62, 86167 Augsburg, Deutschland

This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. It certifies compliance with the indicated Directives, but implies no warranty of properties





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The conformity of the designated product(s) with the provisions of the European **Low Voltage Directive 2014/35/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

| | | |
|---|---|---|
| ☐ | **EN 60155:** 1995 + A1:1995 + A2:2007 | Glow-starters for fluorescent lamps |
| ☐ | **EN 60432-1:** 2000 + A1:2005 + A2:2012 | Incandescent lamps — Safety specifications — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes |
| ☐ | **EN 60432-2:** 2000 + A1:2005 + A2:2012 | Incandescent lamps — Safety specifications — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes |
| ☐ | **EN 60432-3:** 2013 | Incandescent lamps — Safety specifications — Part 3: Tungsten halogen lamps (non-vehicle) |
| ☒ | **EN IEC 60598-1:** 2021 | Luminaires — Part 1: General requirements and tests |
| ☒ | **EN IEC 60598-2-1:** 2021 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose 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 60598-2-6:** 1994 + A1:1997 | Luminaires — Part 2-6: Particular requirements — Luminaires with built-in transformers for filament lamps |
| ☐ | **EN 60598-2-7:** 1989 + A2:1996 + A13:1997 | Luminaires — Part 2-7: Particular requirements — Portable luminaires for garden use |
| ☐ | **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 60598-2-12:** 2013 | Luminaires — Part 2-12: Particular requirements — Mains socket-outlet mounted nightlights |
| ☐ | **EN 60598-2-13:** 2006 + A1 2012 | Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires |
| ☐ | **EN 60598-2-20:** 2015 | Luminaires — Part 2-20: Particular requirements — Lighting chains |
| ☐ | **EN 60598-2-22:** 2014 | Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting |
| ☐ | **EN 60598-2-24:** 2013 | Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures |
| ☐ | **EN 60950-1:** 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 | Information technology equipment – Safety – Part 1: General requirements |
| ☐ | **EN 60968:** 2015 | Self-ballasted lamps for general lighting services — Safety requirements |
| ☐ | **EN 61195:** 1999 + A1:2013 + A2:2015 | Double-capped fluorescent lamps — Safety specifications |



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The conformity of the designated product(s) with the provisions of the European **Low Voltage Directive 2014/35/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

| | | |
|---|---|---|
| ☐ | **EN 61199:** 2011 + A2:2015 | Single-capped fluorescent lamps — Safety specifications |
| ☐ | **EN 61347-1:** 2015 | Lamp controlgear — Part 1: General and safety requirements |
| ☐ | **EN 61347-2-1:** 2001 + A1:2006 + A2:2014 | Lamp controlgear — Part 2-1: Particular requirements for starting devices (other than glow starters) |
| ☐ | **EN 61347-2-2:** 2012 | Lamp controlgear — Part 2-2: Particular requirements for d. c. or a. c. supplied electronic step-down convertors for filament lamps |
| ☐ | **EN 61347-2-3:** 2011 | Lamp controlgear — Part 2-3: Particular requirements for a. c. and/or d. c. supplied electronic ballasts for fluorescent lamps |
| ☐ | **EN 61347-2-7:** 2012 | Lamp controlgear — Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained) |
| ☐ | **EN 61347-2-8:** 2001 + A1:2006 | Lamp controlgear — Part 2-8: Particular requirements for ballasts for fluorescent lamps |
| ☐ | **EN 61347-2-9:** 2013 | Lamp controlgear — Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps) |
| ☐ | **EN 61347-2-10:** 2001 + A1:2009 | Lamp controlgear — Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes) |
| ☐ | **EN 61347-2-11:** 2001 | Lamp controlgear — Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires |
| ☐ | **EN 61347-2-12:** 2005 + A1:2010 | Lamp controlgear — Part 2-12: Particular requirements for d. c. or a. c. supplied electronic ballasts for discharge lamps (excluding fluorescent lamps) |
| ☐ | **EN 61347-2-13:** 2014 | Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules |
| ☐ | **EN 61549:** 2003 + A1:2005 + A2:2010 + A3:2012 | Miscellaneous lamps |
| ☐ | **EN 62031:** 2008 + A1:2013 + A2:2015 | LED modules for general lighting — Safety specifications |
| ☐ | **EN 62034:** 2012 | Automatic test systems for battery powered emergency escape lighting |
| ☐ | **EN 62035:** 2014 | Discharge lamps (excluding fluorescent lamps) — Safety specifications |
| ☐ | **EN 62368-1:** 2014 | Audio/video, information and communication technology equipment – Part 1: Safety requirements |
| ☐ | **EN 60669-1:** 2018 | Switches for household and similar fixed electrical installations - Part 1: General requirements |
| ☐ | **EN 60669-2-1:** 2004 + A1:2009 + A12:2010 | Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches |



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The conformity of the designated product(s) with the provisions of the European **Low Voltage Directive 2014/35/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

| | | |
|---|---|---|
| ☒ | **EN 62493:** 2015 | Assessment of lighting equipment related to human exposure to electromagnetic fields |
| ☐ | **EN 62532:** 2011 | Fluorescent induction lamps — Safety specifications |
| ☐ | **EN 62560:** 2012 + A1:2015 + A11:2019 | Self-ballasted LED-lamps for general lighting services by voltage > 50 V — Safety specifications |
| ☐ | **EN 62838:** 2016 | 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<br>Consumer goods with a voltage below 50 V are dealt with by the General Product Safety Directive (GPSD) 2001/95/EC |
| ☐ | **EN 60669-2-1:** 2004 + A1:2009 + A12:2010 | Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches (IEC 60669-2-1:2002, modified) / Corrected and reprinted in 2007-12 |
| ☒ | **EN 62471:** 2008 | Photobiological safety of lamps and lamp systems |
| ☐ | **EN 62733:** 2015 | Programmable components in electronic lamp controlgear |
| ☐ | **EN 62776:** 2015 | Double-capped LED lamps designed to retrofit linear fluorescent lamps - Safety specifications |
| ☐ | | |



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The conformity of the designated product(s) with the provisions of the European **EMC Directive, 2014/30/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

| | | |
|---|---|---|
| ☒ | **EN IEC 55015:** 2019 + A11:2020 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| ☒ | **EN IEC 61000-3-2:** 2019 + A1:2021 | Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| ☒ | **EN 61000-3-3:** 2013 + A1:2019 + A2:2021 | Electromagnetic compatibility (EMC) — Part 3-3: 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 subjected to conditional connection |
| ☒ | **EN 61547:** 2009 | Equipment for general lighting purposes — EMC immunity requirements |
| ☐ | **EN 50498:** 2010 | Electromagnetic compatibility (EMC) – Product family standard for aftermarket electronic equipment in vehicles |
| ☐ | | |



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The conformity of the designated product(s) with the provisions of the European **eco design (ERP) Directive 2009/125/EC** is given by the compliance with the following European Standard(s). If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

| | | |
|---|---|---|
| ☐ | **EN 62442-1:** 2018 | Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear |
| ☐ | **EN IEC 62442-2:** 2019 | Energy performance of lamp controlgear – Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) – Method of measurement to determine the efficiency of the controlgear |
| ☐ | **EN IEC 62442-3:** 2019 | Energy performance of lamp controlgear – Part 3: Controlgear for halogen lamps and LED modules – Method of measurement to determine the efficiency of the controlgear |
| ☐ | | |


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The conformity of the designated product(s) with the provisions of the European Directive **2011/65/EU (RoHS)** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

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|---|---|---|
| ☒ | **EN IEC 63000:** 2018 | Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances |
| ☐ | | |


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The conformity of the designated product(s) with the provisions of the European **Radio Equipment Directive 2014/53EU** is given by the compliance with the following European Standard(s). If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

| | | |
|---|---|---|
| ☐ | **EN 300 328 V2.2.2** | Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |
| ☐ | **EN 300 440 V2.1.1&V2.2.** | Short Range Devices (SRD) ; Radio equipment to be used in the 1GHz to 40GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |
| ☐ | **ETSI EN 301 489-1 V2.2.3** | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU |
| ☐ | **ETSI EN 301 489-3 V2.1.1** | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU |
| ☐ | **ETSI EN 301 489-17 V3.2.4** | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU |
| ☐ | **EN 62479: 2010** | Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) |
| ☐ | **EN 50663: 2017** | Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz) |
| ☐ | **EN 50665: 2017** | Generic standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz) |
| ☐ | **EN IEC 62311: 2020** | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz) |
| ☐ | **EN 60598-1:** 2015 + A1:2018 | Luminaires — Part 1: General requirements and tests |
| ☐ | **EN 60598-2-1:** 1989 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires |
| ☐ | **EN 60598-2-2:** 2012 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| ☐ | **EN 60598-2-4:** 2018 | Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires |
| ☐ | **EN 62493:** 2015 | 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 61000-3-2:** 2019 | Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| ☐ | **EN 61000-3-3:** 2013 + A1:2019 | Electromagnetic compatibility (EMC) — Part 3-3: 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 subjected to conditional connection |
| ☐ | **EN 61547:** 2009 | Equipment for general lighting purposes — EMC immunity requirements |



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# EU Declaration of Conformity
# Attached list

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Product list:

AC40782----PANEL ESSENTIAL 60X60CM 36W 840 WT

AC40783----PANEL ESSENTIAL 60X60CM 36W 865 WT





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