

EU Declaration of Conformity



Document number: 2020 / 9C1-3978170-EN-00
Manufacturer or representative: LEDVANCE GmbH
Address: Parkring 29-33
85748 Garching
Germany
Brand name or trade mark: OSRAM
Product type: Double-capped LED
Product designation: LED tube

See attached list

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

- | | | |
|-------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | 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 |
| <input checked="" type="checkbox"/> | 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 |
| <input checked="" type="checkbox"/> | 2009/125/EC
and amendments, incl.
2019/2020, Art. 7 | 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
Article 7 of 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 |
| <input checked="" type="checkbox"/> | 244/2009
and amendments | Commission Regulation (EC) implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for non-directional household lamps |
| <input type="checkbox"/> | 245/2009
and amendments | Commission Regulation (EC) implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such lamps |
| <input checked="" type="checkbox"/> | 1194/2012
and amendments | 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 ecodesign requirements for directional lamps, light emitting diode lamps and related equipment |
| <input checked="" type="checkbox"/> | 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 |
| <input type="checkbox"/> | 2014/53/EU
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: 20

Place and date of signatures: Feb.19,2020

Signatures:

Quality Management

Quality Assurance

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.

- | | | |
|--------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | EN 60155:
1995 + A1:1995 + A2:2007 | Glow-starters for fluorescent lamps |
| <input type="checkbox"/> | EN 60432-1:
2000 + A1:2005 + A2:2012 | Incandescent lamps — Safety specifications — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | EN 60432-2:
2000 + A1:2005 + A2:2012 | Incandescent lamps — Safety specifications — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | EN 60432-3:
2013 | Incandescent lamps — Safety specifications — Part 3: Tungsten halogen lamps (non-vehicle) |
| <input type="checkbox"/> | EN 60598-1:
2015 + A1:2018 | Luminaires — Part 1: General requirements and tests |
| <input type="checkbox"/> | EN 60598-2-1:
1989 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires |
| <input type="checkbox"/> | EN 60598-2-2:
2012 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-3:
2003 + A1:2011 | Luminaires — Part 2-3: Particular requirements — Luminaires for road and street lighting |
| <input type="checkbox"/> | EN 60598-2-4:
2018 | Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires |
| <input type="checkbox"/> | EN 60598-2-5:
2015 | Luminaires — Part 2-5: Particular requirements — Floodlights |
| <input type="checkbox"/> | EN 60598-2-6:
1994 + A1:1997 | Luminaires — Part 2-6: Particular requirements — Luminaires with built-in transformers for filament lamps |
| <input type="checkbox"/> | EN 60598-2-7:
1989 + A2:1996 + A13:1997 | Luminaires — Part 2-7: Particular requirements — Portable luminaires for garden use |
| <input type="checkbox"/> | EN 60598-2-8:
2013 | Luminaires — Part 2-8 : Particular requirements — Handlamps |
| <input type="checkbox"/> | EN 60598-2-10:
2003 | Luminaires — Part 2-10: Particular requirements — Portable luminaires for children |
| <input type="checkbox"/> | EN 60598-2-12:
2013 | Luminaires — Part 2-12: Particular requirements — Mains socket-outlet mounted nightlights |
| <input type="checkbox"/> | EN 60598-2-13:
2006 + A1 2012 | Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-20:
2015 | Luminaires — Part 2-20: Particular requirements — Lighting chains |
| <input type="checkbox"/> | EN 60598-2-22:
2014 | Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting |
| <input type="checkbox"/> | EN 60598-2-24:
2013 | Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures |
| <input type="checkbox"/> | EN 60950-1: 2006 +
A11:2009 + A1:2010 +
A12:2011 + A2:2013 | Information technology equipment – Safety – Part 1: General requirements |
| <input type="checkbox"/> | EN 60968:
2015 | Self-ballasted lamps for general lighting services — Safety requirements |
| <input type="checkbox"/> | EN 61195:
1999 + A1:2013 + A2:2015 | Double-capped fluorescent lamps — Safety specifications |

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<input type="checkbox"/>	EN 61199: 2011 + A2:2015	Single-capped fluorescent lamps — Safety specifications
<input type="checkbox"/>	EN 61347-1: 2015	Lamp controlgear — Part 1: General and safety requirements
<input type="checkbox"/>	EN 61347-2-1: 2001 + A1:2006 + A2:2014	Lamp controlgear — Part 2-1: Particular requirements for starting devices (other than glow starters)
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	EN 61347-2-7: 2012	Lamp controlgear — Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)
<input type="checkbox"/>	EN 61347-2-8: 2001 + A1:2006	Lamp controlgear — Part 2-8: Particular requirements for ballasts for fluorescent lamps
<input type="checkbox"/>	EN 61347-2-9: 2013	Lamp controlgear — Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)
<input type="checkbox"/>	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)
<input type="checkbox"/>	EN 61347-2-11: 2001	Lamp controlgear — Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires
<input type="checkbox"/>	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)
<input type="checkbox"/>	EN 61347-2-13: 2014	Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules
<input type="checkbox"/>	EN 61549: 2003 + A1:2005 + A2:2010 + A3:2012	Miscellaneous lamps
<input type="checkbox"/>	EN 62031: 2008 + A1:2013 + A2:2015	LED modules for general lighting — Safety specifications
<input type="checkbox"/>	EN 62034: 2012	Automatic test systems for battery powered emergency escape lighting
<input type="checkbox"/>	EN 62035: 2014	Discharge lamps (excluding fluorescent lamps) — Safety specifications
<input type="checkbox"/>	EN 62368-1: 2014	Audio/video, information and communication technology equipment – Part 1: Safety requirements

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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.

- | | | |
|-------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | EN 62493:
2015 | Assessment of lighting equipment related to human exposure to electromagnetic fields |
| <input type="checkbox"/> | EN 62532:
2011 | Fluorescent induction lamps — Safety specifications |
| <input type="checkbox"/> | EN 62560:
2012 + A1:2015 | Self-ballasted LED-lamps for general lighting services by voltage > 50 V — Safety specifications |
| <input type="checkbox"/> | 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
Consumer goods with a voltage below 50 V are dealt with by the General Product Safety Directive (GPSD) 2001/95/EC |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | EN 62471:
2008 | Photobiological safety of lamps and lamp systems |
| <input type="checkbox"/> | EN 62733:
2015 | Programmable components in electronic lamp controlgear |
| <input checked="" type="checkbox"/> | EN 62776:
2015 | Double-capped LED lamps designed to retrofit linear fluorescent lamps - Safety specifications |
| <input type="checkbox"/> | | |

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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.

- | | | |
|-------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | EN 55015:
2013 + A1:2015 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| <input checked="" type="checkbox"/> | EN 61000-3-2:
2014 | Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| <input checked="" type="checkbox"/> | EN 61000-3-3:
2013 | 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 |
| <input checked="" type="checkbox"/> | EN 61547:
2009 | Equipment for general lighting purposes — EMC immunity requirements |
| <input type="checkbox"/> | EN 50498: 2010 | Electromagnetic compatibility (EMC) –
Product family standard for aftermarket electronic equipment in vehicles |
| <input type="checkbox"/> | | |

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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.

- EN 50581:**
2012 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.

- | | | |
|--------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | EN 300 328 V2.1.1 | 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 |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | Draft ETSI EN 301 489-1 V2.2.0 | 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 |
| <input type="checkbox"/> | Draft 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 |
| <input type="checkbox"/> | Draft ETSI EN 301 489-17 V3.2.0 | 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 |
| <input type="checkbox"/> | 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) |
| <input type="checkbox"/> | | |

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Attached list

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Product list:

AC1797701ML----ST8V-1.5M 19,1W/865 220-240V EM 10X1OSRAM
AC1797601ML----ST8V-1.5M 19,1W/840 220-240V EM 10X1OSRAM
AC1797501ML----ST8V-1.5M 19,1W/830 220-240V EM 10X1OSRAM
AC1797401ML----ST8V-1.2M 16,2W/865 220-240V EM 10X1OSRAM
AC1797301ML----ST8V-1.2M 16,2W/840 220-240V EM 10X1OSRAM
AC1797201ML----ST8V-1.2M 16,2W/830 220-240V EM 10X1OSRAM
AC1797101ML----ST8V-0.6M 7,6W/865 220-240V EM 10X1OSRAM
AC1797001ML----ST8V-0.6M 7,6W/840 220-240V EM 10X1OSRAM
AC1796901ML----ST8V-0.6M 7,6W/830 220-240V EM 10X1OSRAM
AC17924002M----ST8FOOD-1.5M 17,9W/833 220-240V EM X1 OSRAM
AC17923002M----ST8FOOD-1.2M 11,6W/833 220-240V EM X1 OSRAM
AC17922002M----ST8FOOD-0.9M 7,9W/833 220-240V EM X1 OSRAM
AC17921002M----ST8MS-1.5M 20,6W/840 220-240V EM X1 OSRAM
AC17920002M----ST8MS-1.2M 14W/840 220-240V EM X1 OSRAM
AC17919002M----ST8MS-0.6M 7.3W/840 220-240V EM X1 OSRAM
AC17918002M----ST8A-1.5M 20,6W/865 220-240V EM X1 OSRAM
AC17909002M----ST8A-1.5M 20,6W/840 220-240V EM X1 OSRAM
AC17908002M----ST8A-1.2M 14W/865 220-240V EM X1 OSRAM
AC17907002M----ST8A-1.2M 14W/840 220-240V EM X1 OSRAM
AC17906002M----ST8A-0.9M 11,3W/865 220-240V EM X1 OSRAM
AC17904002M----ST8A-0.9M 11,3W/840 220-240V EM X1 OSRAM
AC17903002M----ST8A-0.6M 7,3W/865 220-240V EM X1 OSRAM
AC17902002M----ST8A-0.6M 7,3W/840 220-240V EM X1 OSRAM
AC17901002M----ST8AU-1.5M 22.4W/865 220-240V EM X1 OSRAM
AC17900002M----ST8AU-1.5M 22.4W/840 220-240V EM X1 OSRAM
AC17899002M----ST8AU-1.5M 22.4W/830 220-240V EM X1 OSRAM
AC17898002M----ST8AU-1.2M 15.1W/865 220-240V EM X1 OSRAM
AC17897002M----ST8AU-1.2M 15.1W/840 220-240V EM X1 OSRAM
AC17896002M----ST8AU-1.2M 15.1W/830 220-240V EM X1 OSRAM
AC1119002DC----ST5HE14-0.6M 7W/865 230V UN
AC1118904DC----ST5HE14-0.6M 7W/840 230V UN
AC1118802DC----ST5HE14-0.6M 7W/830 230V UN
AC1118702DC----ST5HE21-0.9M 10W/865 230V UN
AC1118602DC----ST5HE21-0.9M 10W/840 230V UN
AC1118502DC----ST5HE21-0.9M 10W/830 230V UN
AC1118402DC----ST5HE28-1.2M 17W/865 230V UN
AC1118304DC----ST5HE28-1.2M 17W/840 230V UN
AC1118202DC----ST5HE28-1.2M 17W/830 230V UN
AC1118102DC----ST5HE35-1.5M 18W/865 230V UN
AC1118004DC----ST5HE35-1.5M 18W/840 230V UN
AC1117902DC----ST5HE35-1.5M 18W/830 230V UN
AC1117802DC----ST5HO49-1.5M 26W/865 230V UN
AC1117704DC----ST5HO49-1.5M 26W/840 230V UN
AC1117602DC----ST5HO49-1.5M 26W/830 230V UN

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Product list:

AC1117502DC----ST5HO54-1.2M 26W/865 230V UN
AC1117404DC----ST5HO54-1.2M 26W/840 230V UN
AC1117302DC----ST5HO54-1.2M 26W/830 230V UN
AC1117202DC----ST5HO80-1.5M 37W/865 230V UN
AC1117104DC----ST5HO80-1.5M 37W/840 230V UN
AC1117002DC----ST5HO80-1.5M 37W/830 230V UN
AC1116904DC----ST8V-1.5m-19W-865-UN
AC1116304DC----ST8V-1.5m-19W-840-UN
AC1116204DC----ST8V-1.5m-19W-830-UN
AC1116104DC----ST8V-1.2m-16W-865-UN
AC1116004DC----ST8V-1.2m-16W-840-UN
AC1115904DC----ST8V-1.2m-16W-830-UN
AC1115804DC----ST8V-0.6m-8W-865-UN
AC1115604DC----ST8V-0.6m-8W-840-UN
AC1114604DC----ST8V-0.6m-8W-830-UN
AC1114502DC----ST8A-1.5m-20W-865-UN
AC1114404DC----ST8A-1.5m-20W-840-UN
AC1114302DC----ST8A-1.5m-20W-830-UN
AC1114202DC----ST8A-1.2m-14W-865-UN
AC1114104DC----ST8A-1.2m-14W-840-UN
AC1114002DC----ST8A-1.2m-14W-830-UN
AC1113902DC----ST8A-0.6m-7,5W-865-UN
AC1113804DC----ST8A-0.6m-7,5W-840-UN
AC1113702DC----ST8A-0.6m-7,5W-830-UN
AC1113602DC----ST8AU-1.5m-23W-865-UN
AC1113502DC----ST8AU-1.5m-23W-840-UN
AC1113402DC----ST8AU-1.2m-15W-865-UN
AC1112102DC----ST8AU-1.2m-15W-840-UN
AC11636001T----ST9-22 12W/840 220-240V EM G10Q10X1OSRAM
AC11637001T----ST9-22 12W/865 220-240V EM G10Q10X1OSRAM
AC11638001T----ST9-32 20W/840 220-240V EM G10Q10X1OSRAM
AC11639001T----ST9-32 20W/865 220-240V EM G10Q10X1OSRAM
AC17989000K----ST8-U-Shape-0.3m-8W-840-EM
AC17990000K----ST8-U-Shape-0.6m-20W-840-EM
AC22637001T----ST8-U-Shape-0.3m-8W-840-EM
AC22638001T----ST8-U-Shape-0.6m-20W-840-EM
AC1290200DC----ST8AU-1.2m-16W-840-CON
AC1290300DC----ST8AU-1.2m-16W-865-CON
AC1290000DC----ST8AU-1.2m-7,5W-840-CON
AC1290100DC----ST8AU-1.2m-7,5W-865-CON
AC1290400DC----ST8AU-1.5m-24W-840-CON
AC1290500DC----ST8AU-1.5m-24W-865-CON