

EU Declaration of Conformity



Document number: 2017 / 9C1-3465148-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 Lamps
Product designation: SubstiTUBE® T8 Advanced UO HF; SubstiTUBE® T8 Advanced HF;
SubstiTUBE® T5 HO; SubstiTUBE® T5 HE; SubstiTUBE® ST5 Value HF;
SubstiTUBE® STAR PC
 See attached list

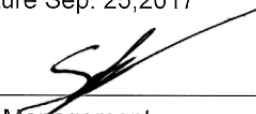
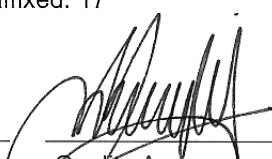
The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation:

- | | | |
|-------------------------------------|--------------------------------------|---|
| <input checked="" type="checkbox"/> | 2014/35/EU | 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; Official Journal of the EU L96, 29/03/2014, p. 357-374) |
| <input checked="" type="checkbox"/> | 2014/30/EU | 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; Official Journal of the EU L96, 29/03/2014, p. 79-106 |
| <input checked="" type="checkbox"/> | 2009/125/EC
and amendments | 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 |
| <input checked="" type="checkbox"/> | 244/2009
and amendments | Commission Regulation (EC) implementing Directive 2005/32/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 2005/32/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, and repealing Directive 2000/55/EC of the European Parliament and of the Council |
| <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; Official Journal of the EU L174, 1/07/2011, p. 88-110 |
| <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 (applicable from 2016-06-13) Official Journal of the 2015/ C226/ 07 |

Last two digits of the year in which the CE marking was affixed: 17

Place and date of signature Sep. 25, 2017

Signatures:

	
Quality Management	Quality Assurance
Scheyer, Yannick	Boon-seng Yong

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.

EU Declaration of Conformity

Annex

Document number: 2017 / 9C1-3465148-EN-00

The conformity of the designated product(s) with the provisions of the European **Low Voltage Directive** 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	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: 1997	Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires
<input type="checkbox"/>	EN 60598-2-5: 1998	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: 2012	Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires
<input type="checkbox"/>	EN 60598-2-20: 2010	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 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013	Information technology equipment – Safety – Part 1: General requirements
<input type="checkbox"/>	EN 60968: 2013 + A11:2014	Self-ballasted lamps for general lighting services — Safety requirements
<input type="checkbox"/>	EN 61195: 1999 + A1:2013	Double-capped fluorescent lamps — Safety specifications

EU Declaration of Conformity

Annex

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<input type="checkbox"/>	EN 61199: 2011 + A1:2013	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 + Corr. 2003 + A1:2006 + Corr. 2006 + Corr. 2010 + 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 + Corr. 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 + Corrigendum: 2003+ A1:2006 + Corrigendum:2010	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 + Corrigendum:2010	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 + Corrigendum:2002 + Corrigendum:2010	Lamp controlgear — Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires
<input type="checkbox"/>	EN 61347-2-12: 2005 + A1:2010 + Corr.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: 2015-09	Discharge lamps (excluding fluorescent lamps) — Safety specifications
<input type="checkbox"/>	EN 62368-1: 2014 + AC: 2015	Audio/video, information and communication technology equipment – Part 1: Safety requirements

EU Declaration of Conformity

Annex

Document number: 2017 / 9C1-3465148-EN-00

The conformity of the designated product(s) with the provisions of the European **Low Voltage Directive** 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: 2010	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 60669-2-1: 2004+A1:2009	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 checked="" 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

EU Declaration of Conformity

Annex

Document number: 2017 / 9C1-3465148-EN-00

The conformity of the designated product(s) with the provisions of the European **EMC Directive** 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 | 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"/> | | |

EU Declaration of Conformity Annex

Document number: 2017 / 9C1-3465148-EN-00

The conformity of the designated product(s) with the provisions of the European **eco design (ERP) Directive** 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 50294:
1998 + A1:2001 + A2:2003 | Measurement method of total input power of ballast-lamp circuits |
| <input type="checkbox"/> | EN 62442-1: 2011 | 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 |
| <input type="checkbox"/> | EN 62442-2: 2014 | 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 |
| <input type="checkbox"/> | EN 62442-3:
2014 | Energy performance of lamp controlgear – Part 3: Controlgear for halogen lamps and LED modules – Method of measurement to determine the efficiency of the controlgear |
| <input type="checkbox"/> | | |

EU Declaration of Conformity Annex

Document number: 2017 / 9C1-3465148-EN-00

The conformity of the designated product(s) with the provisions of the European Directive **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.

- | | | |
|-------------------------------------|-----------------------|--|
| <input checked="" type="checkbox"/> | EN 50581: 2012 | Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances |
| <input type="checkbox"/> | | |

EU Declaration of Conformity

Annex

Document number: 2017 / 9C1-3465148-EN-00

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

- ETSI EN 300 328 V2.1.1:** 2016-11 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
- ETSI EN 301 489-1 V2.2.0:** 2017-03 ElectroMagnetic 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 301 489-17 V3.2.0:** 2017-03 ElectroMagnetic 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 Assesment 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)

EU Declaration of Conformity Attached list

Document number: 2017 / 9C1-3465148-EN-00

AC03166	ST8AU-1.2 m-15.5 W-840-HF
AC03167	ST8AU-1.2 m-15.5 W-865-HF
AC03168	ST8AU-1.5 m-23 W-840-HF
AC03169	ST8AU-1.5 m-23 W-865-HF
AC03172	ST8A-0.6 m-7.5 W-830-HF
AC03173	ST8A-0.6 m-7.5 W-840-HF
AC03174	ST8A-0.6 m-7.5 W-865-HF
AC03175	ST8A-1.2 m-14 W-830-HF
AC03176	ST8A-1.2 m-14 W-840-HF
AC03177	ST8A-1.2 m-14 W-865-HF
AC03178	ST8A-1.5 m-20.5 W-830-HF
AC03179	ST8A-1.5 m-20.5 W-840-HF
AC03180	ST8A-1.5 m-20.5 W-865-HF
AC03198	ST5HO49-1.5 m-26 W-830-HF
AC03199	ST5HO49-1.5 m-26 W-840-HF
AC03200	ST5HO49-1.5 m-26 W-865-HF
AC03201	ST5HO54-1.2 m-27 W-830-HF
AC03202	ST5HO54-1.2 m-27 W-840-HF
AC03203	ST5HO54-1.2 m-27 W-865-HF
AC03204	ST5HO80-1.5 m-37 W-830-HF
AC03205	ST5HO80-1.5 m-37 W-840-HF
AC03206	ST5HO80-1.5 m-37 W-865-HF
AC03227	ST5HE28-1.2 m-16 W-830-HF
AC03228	ST5HE28-1.2 m-16 W-840-HF
AC03229	ST5HE28-1.2 m-16 W-865-HF
AC03230	ST5HE35-1.5 m-18.5 W-830-HF
AC03231	ST5HE35-1.5 m-18.5 W-840-HF
AC03232	ST5HE35-1.5 m-18.5 W-865-HF
AC02470	ST5V-0.6 m-7W-840-HF

AC02471	ST5V-0.6 m-7W-865-HF
AC02472	ST5V-1.2 m-14W-840-HF
AC02485	ST5V-1.2 m-14W-865-HF
AC03233	ST5HO49-1.5 m-26 W-830-AC
AC03234	ST5HO49-1.5 m-26 W-840-AC
AC03235	ST5HO49-1.5 m-26 W-865-AC
AC03236	ST5HO54-1.2 m-27 W-830-AC
AC03237	ST5HO54-1.2 m-27 W-840-AC
AC03238	ST5HO54-1.2 m-27 W-865-AC
AC03242	ST5HE28-1.2 m-16 W-830-AC
AC03243	ST5HE28-1.2 m-16 W-840-AC
AC03244	ST5HE28-1.2 m-16 W-865-AC
AC03245	ST5HE35-1.5 m-18.5 W-830-AC
AC03246	ST5HE35-1.5 m-18.5 W-840-AC
AC03247	ST5HE35-1.5 m-18.5 W-865-AC
AC04708	ST8SP-1.8m-24W-840-EM
AC04710	ST8SP-1.8m-24W-865-EM