

EU Declaration of Conformity



Document number: 2018 / 9C1 3450794-EN-07
Manufacturer or representative: LEDVANCE GmbH
Address: Parkring 29-33
85748 Garching
Germany
Brand name or trade mark: OSRAM
Product type: Self-ballasted LED lamp
Product designation: LED PAR16
☒ See attached list

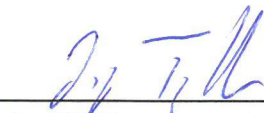
The designated product(s) is (are) in conformity with the relevant Union harmonisation legislation:

- | | |
|---|--|
| ☒ 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) |
| ☒ 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 |
| ☒ 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 |
| ☒ 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 |
| ☒ 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 |
| ☒ 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 |

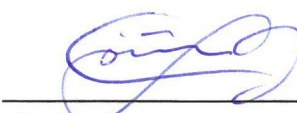
Last two digits of the year in which the CE marking was affixed: 18

Place and date of signatures: 08.02.2018

Signatures:


Quality Management

Diego Tranquillo on behalf of
Yannick Scheyer
Parkring 33
85748 Garching


Quality Assurance

Christoph Göring
Parkring 33
85748 Garching

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: 2018 / 9C1 3450794-EN-07

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.

☐	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 60598-1: 2015	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 60598-2-3: 2003 + A1:2011	Luminaires — Part 2-3: Particular requirements — Luminaires for road and street lighting
☐	EN 60598-2-4: 1997	Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires
☐	EN 60598-2-5: 1998	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: 2012	Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires
☐	EN 60598-2-20: 2010	Luminaires — Part 2-20: Particular requirements — Lighting chains
☐	EN 60598-2-22: 2014	Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting
☐	EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013	Information technology equipment – Safety – Part 1: General requirements
☐	EN 60968: 2013 + A11:2014	Self-ballasted lamps for general lighting services — Safety requirements
☐	EN 61195: 1999 + A1:2013	Double-capped fluorescent lamps — Safety specifications

EU Declaration of Conformity

Annex

Document number: 2018 / 9C1 3450794-EN-07

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.

- | | | |
|--------------------------|---|---|
| ☐ | EN 61199:
2011 + A1:2013 | Single-capped fluorescent lamps — Safety specifications |
| ☐ | EN 61347-1:
2015 | Lamp controlgear — Part 1: General and safety requirements |
| ☐ | 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) |
| ☐ | 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 + Corr. 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 + Corrigendum:
2003+ A1:2006
+ Corrigendum:2010 | 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 +
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) |
| ☐ | EN 61347-2-11:
2001 + Corrigendum:2002 +
Corrigendum:2010 | Lamp controlgear — Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires |
| ☐ | 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) |
| ☐ | 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: 2015-09 | Discharge lamps (excluding fluorescent lamps) — Safety specifications |
| ☐ | EN 62368-1: 2014 + AC:
2015 | Audio/video, information and communication technology equipment – Part 1: Safety requirements |

EU Declaration of Conformity

Annex

Document number: 2018 / 9C1 3450794-EN-07

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.

☒	EN 62493: 2010	Assessment of lighting equipment related to human exposure to electromagnetic fields
☐	EN 62532: 2011	Fluorescent induction lamps — Safety specifications
☒	EN 62560:2012+A1:2015	Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications
☐	EN 62838: 2016	Self-ballasted LED-lamps for general lighting services by voltage ≤ 50 V - Safety specifications
☐	EN 60669-2-1: 2004+A12009	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

EU Declaration of Conformity

Annex

Document number: 2018 / 9C1 3450794-EN-07

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

☒	EN 55015: 2013	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
☐	EN 61000-3-2: 2014	Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
☒	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
☒	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
☐		

EU Declaration of Conformity
Annex

Document number: 2018 / 9C1 3450794-EN-07

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.

- ☐ **EN 50294:** 1998 + A1:2001 + A2:2003 Measurement method of total input power of ballast-lamp circuits
- ☐ **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
- ☐ **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
- ☐ **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
- ☐

EU Declaration of Conformity
Annex

Document number: 2017 / 9C1 3450794-EN-07

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.

- ☒ **EN 50581:** 2013-02 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
- ☐

EU Declaration of Conformity

Annex

Document number: 2018 / 9C1 3450794-EN-07

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 300 220-1 V2.1.1: | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods |
| ☐ | ETSI EN 300 220-2 V2.1.2: | Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive |
| ☐ | ETSI EN 301 489-1 V1.8.1 | Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements |
| ☐ | ETSI EN 301 489-3 V1.4.1 | Electromagnetic compatibility and Radio spectrum Matters (ERM); 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 40 GHz |
| ☐ | EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013 | Information technology equipment – Safety – Part 1: General requirements |
| ☐ | EN 60825-1: 2014 | Safety of laser products - Part 1: Equipment classification and requirements (IEC 60825-1:2014) / Endorsement notice |
| ☐ | EN 60065: 2014 | Audio, video and similar electronic apparatus - Safety requirements |

EU Declaration of Conformity

Attached list

Document number:

2018 / 9C1 3450794-EN-07

Products list

	AC01183		Dim	PAR16	35	36°	2700K
	AC01185		Dim	PAR16	35	36°	3000K
	AC01181		Dim	PAR16	35	36°	4000K
	AC01184		Dim	PAR16	35	36°	2700K
	AC01182		Dim	PAR16	35	36°	3000K
	AC01192		Dim	PAR16	35	36°	4000K
	AC01187		Dim	PAR16	50	36°	2700K
	AC01193		Dim	PAR16	50	36°	3000K
	AC01194		Dim	PAR16	50	36°	4000K
	AC01188		--	PAR16	35	36°	2700K
	AC01189		--	PAR16	35	36°	3000K
	AC01195		--	PAR16	35	36°	4000K
	AC01190		--	PAR16	50	36°	2700K
	AC01196		--	PAR16	50	36°	3000K
	AC01186		--	PAR16	50	36°	4000K
	AC01197		--	PAR16	50	120°	2700K
	AC01201		--	PAR16	50	120°	3000K
	AC01204		--	PAR16	50	120°	4000K
	AC01531		--	PAR16	35	36°	2700K
	AC01532		--	PAR16	35	36°	4000K
	AC01534		--	PAR16	50	36°	2700K
	AC01535		--	PAR16	50	36°	4000K
	AC01536		--	PAR16	50	36°	6500K
	AC04134		Dim	PAR16	80	60°	2700K
	AC04135		Dim	PAR16	80	60°	3000K
	AC04136		Dim	PAR16	80	60°	4000K
	AC04225		--	PAR16	80	36°	2700K
	AC04221		--	PAR16	80	36°	3000K
	AC04226		--	PAR16	80	36°	4000K
	AC04224		--	PAR16	80	120°	4000K
	AC04558		--	PAR16	80	36°	2700K
	AC04559		--	PAR16	80	36°	3000K
	AC04560		--	PAR16	80	36°	4000K
	AC04561			PAR16	80	120°	2700K
	AC04562			PAR16	80	120°	3000K
	AC04563			PAR16	80	120°	4000K