

EU Declaration of Conformity



Document number: 2017/9C1-3446765-EN-01

Manufacturer or representative: LEDVANCE GmbH

Address: Parkring 29-33
85748 Garching
Germany

Brand name or trade mark: LEDVANCE

Product type: Luminaire

Product designation: High bay

☒ 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 |
| ☐ | 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 |
| ☒ | 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 |
| ☐ | 1999/5/EC
and amendments | Directive of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity (applicable until 2017-06-12) |
| | 2014/53/EU | 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 signatures: Foshan/ Sep 8th, 2017

Signatures:

Quality Management

Quality Assurance

Names: Stella Zhou

Joe Hu

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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Annex

Document number: **Error! Reference source not found.1**

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 |

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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

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The conformity of the designated product(s) with the provisions of the European **Low Voltage Directive** 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: 2015	Assessment of lighting equipment related to human exposure to electromagnetic fields
☐	EN 62532: 2011	Fluorescent induction lamps — Safety specifications
☐	EN 62560: 2016-09	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
☐	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** 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 + A1:2015 | 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 |
| ☐ | | |

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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 |
| ☐ | | |

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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 |
|-------------------------------------|--------------------------|--|

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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 |
| ☐ | 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
☐	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

☐	EN 62493: 2015	Assessment of lighting equipment related to human exposure to electromagnetic fields
☐	EN 62532: 2011	Fluorescent induction lamps — Safety specifications
☐	EN 62560: 2016-09	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
☐	EN 55015: 2013 + A1:2015	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

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Attached list

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AB43615	HighBayLED 120W/4000K
AB43616	HighBayLED 200W/4000K
AC01048	HighBayLED 120W/6500K
AC01049	HighBayLED 200W/6500K
AC01468	HighBayLED 250W/4000K
AC01469	HighBayLED 250W/6500K
AC05300	HighBayLED 95W/4000K
AC05301	HighBayLED 95W/6500K
AC05302	HighBayLED 95W/4000K
AC05303	HighBayLED 165W/4000K
AC05304	HighBayLED 165W/6500K
AC05305	HighBayLED 200W/4000K