

EC-Declaration of Conformity



Document number: 2010 / OT 6_200-240_CE-01 1/4
Manufacturer or representative: OSRAM GmbH
Address: Hellabrunner Str. 1, D- 81543 München, Germany
Brand name or trade mark: OSRAM
Product type: Lamp controlgear
Product designation: OPTOTRONIC
☒ See attached list

The designated product(s) is (are) in conformity with the provisions of the following European Directives.

- | | | |
|-------------------------------------|--------------------------------------|---|
| <input checked="" type="checkbox"/> | 2006/95/EC
and amendments | Directive of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits |
| <input checked="" type="checkbox"/> | 2004/108/EC
and amendments | Directive of the European Parliament and of the Council of 15 September 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility |
| <input 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 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 ... |

Further information regarding compliance with these Directives is given in the annex which constitutes a part of this declaration.

Last two digits of the year in which the CE marking was affixed: 10

Place and date of signatures: München, 27.09.2010

Signatures:

☒ Plant Manager ☐ Product Manager

Quality Manager

Names and
contact
addresses:

Dr. Olaf Hansen

Richard Köppl

Hellabrunner Str. 1

Hellabrunner Str. 1

D-81543 München, Germany

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This declaration certifies compliance with the indicated Directives, but implies no warranty of properties.

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Annex

Document-No.: 2010 / OT 6_200-240_CE-01

The conformity of the designated product(s) with the provisions of the European Directive **2006/95/EC** is given by the compliance with the following European Standard(s). The latest amendment applies, even if not mentioned below.

- | | | |
|-------------------------------------|--|---|
| <input checked="" type="checkbox"/> | EN 61347-1: 2008 | Lamp controlgear – Part 1: General and safety requirements |
| <input type="checkbox"/> | EN 61347-2-1: 2009 | Lamp controlgear – Part 2-1: Particular requirements for starting devices (other than glow starters) |
| <input type="checkbox"/> | EN 61347-2-2: 2001
+A1:2006 + A2:2006-06 | 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: 2001
+A1:2004+A2:2006 | Lamp controlgear – Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps |
| <input type="checkbox"/> | EN 61347-2-4: 2001 | Lamp controlgear - Part 2-4: Particular requirements for d.c. supplied electronic ballasts for general lighting |
| <input type="checkbox"/> | EN 61347-2-5: 2001 | Lamp controlgear - Part 2-5: Particular requirements for d.c. supplied electronic ballasts for public transport lighting |
| <input type="checkbox"/> | EN 61347-2-6: 2001 | Lamp controlgear - Part 2-6: Particular requirements for d.c. supplied electronic ballasts for aircraft lighting |
| <input type="checkbox"/> | EN 61347-2-7: 2006 | Lamp controlgear - Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting |
| <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: 2001
+A1:2003 + A2:2006 | 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
+ A1:2008 | Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires |
| <input type="checkbox"/> | EN 61347-2-12: 2005 | Lamp controlgear – Part 2-12: Particular requirements for d.c. or a.c. supplied electronic ballasts for discharge lamps (excluding fluorescent lamps) |
| <input checked="" type="checkbox"/> | EN 61347-2-13: 2007 | Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules |
| <input type="checkbox"/> | EN 60669-2-11: 2004 | Switches for husehold and similar fixed electrical installations – Part 2-1: Particular reqirements – Electronic switches |
| <input type="checkbox"/> | EN 60968: 1990
+A1:1993+A2:1999 | Self-ballasted lamps for general lighting services – Safety requirements |
| <input type="checkbox"/> | EN 62031: 2008 | LED modules for general lighting – Safety specifications |
| <input type="checkbox"/> | EN 62471: 2008 | Photobiological safety of lamps and lamp systems
NOTE: This is a horizontal standard. It is not applicable if photobiological safety is covered by product standard |
| <input type="checkbox"/> | EN 62560: 2010 | Self-ballasted LED-lamps for general lighting services by voltage 50 V - Safety specifications |

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The conformity of the designated product(s) with the provisions of the European Directive **2004/108/EC** is given by the compliance with the following European Standard(s). The latest amendment applies, even if not mentioned below.

- ☒ **EN 55015:** 2006 + A1:2007 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- ☒ **EN 61000-3-2:** 2006 Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- ☒ **EN 61000-3-3:** 2008 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:** 1995+A1:2000 Equipment for general lighting purposes — EMC immunity requirements

The conformity of the designated product(s) with the provisions of the European Directive **2009/125/EC** is given by the compliance with the following European Standard(s):

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

Document-No.: 2010 / OT 6_200-240_CE-01

Month/Year: 09/2010

OT 6/200-240/10 CE

OT 6/200-240/24 CE