

EC-Declaration of Conformity



Document number: 2012 / QTP-FC_02

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Manufacturer or representative: OSRAM AG

Address: Hellabrunner Straße 1
81543 München
Germany

Brand name or trade mark: OSRAM

Product type: Lamp controlgear

Product designation: QUICKTRONIC

See attached list

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

- 2006/95/EC** 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 and amendments
- 2004/108/EC** 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 and amendments
- 2009/125/EC** 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 and amendments
- 244/2009** 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 and amendments
- 245/2009** 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 and amendments
- 2011/65/EU** 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 and amendments

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: 12

Place and date of signatures: München, 07.05.2012

Signatures:

PL QM-TLS B&LMS
Hr. Veser

Quality Manager

GL QM LAB M
Mr. Schemmel

LAB Manager

Names: Alwin Veser

Bernhard Schemmel

This declaration of conformity is issued under the sole responsibility of the manufacturer. 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 Directive **2006/95/EC** is given by the compliance with the following European Standard(s). If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

- | | | |
|-------------------------------------|--|---|
| <input checked="" type="checkbox"/> | EN 61347-1:
2008 + A1:2011 | Lamp controlgear — Part 1: General and safety requirements |
| <input type="checkbox"/> | EN 61347-2-1.
2001 +
Corrigendum:2003 +
A1:2006 +
Corrigendum:2006
Corrigendum:2010 | 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 checked="" type="checkbox"/> | EN 61347-2-3:
2011 | Lamp controlgear — Part 2-3: Particular requirements for a. 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:
2001 +
Corrigendum:2003 +
A1:2003 + A2:2006 +
Corrigendum:2010 | 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 | 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:
2006 | 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 | Miscellaneous lamps |
| <input type="checkbox"/> | EN 62031:
2008 | LED modules for general lighting — Safety specifications |
| <input type="checkbox"/> | EN 62034:
2006 | Automatic test systems for battery powered emergency escape lighting |
| <input type="checkbox"/> | EN 62035:
2000 + A1:2003 | Discharge lamps (excluding fluorescent lamps) — Safety specifications |
| <input type="checkbox"/> | EN 62471:
2008 | Photobiological safety of lamps and lamp systems |
| <input type="checkbox"/> | IEC/TR 62471-2:
2009 | Photobiological safety of lamps and lamp systems — Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety |

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- EN 62560:** Self-ballasted LED-lamps for general lighting services by voltage > 50 V —
XXXX 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). If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

- EN 55015:** Limits and methods of measurement of radio disturbance characteristics of electrical
2006 + A1:2007 lighting and similar equipment
+ A2:2009
- EN 61000-3-2:** Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current
2006 + A1:2009 emissions (equipment input current ≤ 16 A per phase)
+ A2:2009
- EN 61000-3-3:** Electromagnetic compatibility (EMC) — Part 3-3: Limits — Limitation of voltage
2008 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:** Equipment for general lighting purposes — EMC immunity requirements
2009
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The conformity of the designated product(s) with the provisions of the European Directive **1999/5/EC** 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
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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). If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

- EN 50294:** Measurement method of total input power of ballast-lamp circuits
1998 + A1:2001
+ A2:2003
 - EN 62442-1:** Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps -
2011 Method of measurement to determine the total input power of controlgear circuits and
the efficiency of the controlgear
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Attached list

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