

EC-Declaration of Conformity



Document number: 2012 / QT i -DALI-DIM_03 1/5
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. Vesper

Quality Manager

GL QM LAB M
Mr. Schemmel

LAB Manager

Names: Alwin Vesper

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.

EC-Declaration of Conformity

Annex

Document number: 2012 / QTi -DALI-DIM_03

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 |

EC-Declaration of Conformity

Annex

Document number: 2012 / QT*i* -DALI-DIM_03

-
- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | EN 62560:
XXXX | Self-ballasted LED-lamps for general lighting services by voltage > 50 V —
Safety specifications |
|--------------------------|--------------------------|---|
-

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.

- | | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | EN 55015:
2006 + A1:2007
+ A2:2009 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| <input checked="" type="checkbox"/> | EN 61000-3-2:
2006 + A1:2009
+ A2:2009 | 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:
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 |
| <input checked="" type="checkbox"/> | EN 61547:
2009 | Equipment for general lighting purposes — EMC immunity requirements |
-

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.

- | | | |
|--------------------------|----------------------------------|---|
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
-

EC-Declaration of Conformity

Annex

Document number: 2012 / QT_i -DALI-DIM_03

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
-

EC-Declaration of Conformity

Attached list

Document number: 2012 / QT*i* -DALI-DIM_03

QT*i* DALI 1x18 DIM
QT*i* DALI 1x36 DIM
QT*i* DALI 1x58 DIM
QT*i* DALI 1x14/24 DIM
QT*i* DALI 1x21/39 DIM
QT*i* DALI 1x28/54 DIM
QT*i* DALI 1x35/49/80 DIM
QT*i* DALI 2x18 DIM
QT*i* DALI 2x36 DIM
QT*i* DALI 2x58 DIM
QT*i* DALI 2x14/24 DIM
QT*i* DALI 2x21/39 DIM
QT*i* DALI 2x28/54 DIM
QT*i* DALI 2x35/49 DIM
QT*i* DALI 2x35/49/80 DIM
QT*i* DALI 3x18 DIM
QT*i* DALI 3x14/24 DIM
QT*i* DALI 4x18 DIM
QT*i* DALI 4x14/24 DIM
QT*i* DALI-T/E 1x18-57 DIM
QT*i* DALI-T/E 2x18-42 DIM

EC-Declaration of Conformity List of conformity documents (LOCD)

Document-No.: 2012 / QT*i* -DALI-DIM_03

Month/Year: 05/2012

Model	Basic code	EMC testreport / Certificate	Safety testreport / (ENEC) Certificate	CB-Certificate
QT <i>i</i> DALI 2x14/24 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 2x21/39 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 2x28/54 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 2x35/49 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 2x35/49/80 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 3x18 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 3x14/24 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 4x18 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI 4x14/24 DIM		40010256	ENEC 40021252	
QT <i>i</i> DALI-T/E 1x18-57 DIM		ZRD 2381476/ 40010256	ZRD 2381476/ ENEC 40021252	ZRD 2381476/ DE1-37311
QT <i>i</i> DALI-T/E 2x18-42 DIM		ZRD 2381460/ 40010256	ZRD 2381460/ ENEC 40021252	ZRD 2381460/ DE1-37976
Remarks:				