

EC-Declaration of Conformity



Document number: ZCI 2874588 02
Manufacturer or representative: OSRAM GmbH
Address: Hellabrunner Straße 1
81543 München
Germany

Brand name or trade mark: OSRAM
Product type: DALI Control System
Product designation: DALIeco

☒ See attached list

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

- | | | |
|-------------------------------------|--------------------------------------|---|
| ☒ | 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 |
| ☒ | 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 |
| ☐ | 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 |
| ☒ | 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 |
| ☐ | 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 |

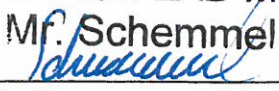
Further information regarding compliance with these Directives is given in the annex which constitutes a part of this declaration.

Last two digits of the year in which the CE marking was affixed: 13

Place and date of signatures: München, 12.02.2013

Signatures:


Quality Management EU

GL QM LAB M
Mr. Schemmel

Quality Management Q LAB

Names:

Alwin Vesper
Hellabrunner Str. 1
81543 München

Bernhard Schemmel
Hellabrunner Str. 1
81543 München

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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Annex

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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.

- | | | |
|-------------------------------------|--|---|
| ☐ | 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 61347-1:
2008 + A1:2011 | Lamp controlgear — Part 1: General and safety requirements |
| ☐ | 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) |
| ☐ | 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 | Lamp controlgear — Part 2-3: Particular requirements for a. 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:
2001 +
Corrigendum:2003 +
A1:2003 + A2:2006 +
Corrigendum:2010 | 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 | 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:
2006 | 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 | Miscellaneous lamps |
| ☐ | EN 62031:
2008 | LED modules for general lighting — Safety specifications |
| ☐ | EN 62034:
2006 | Automatic test systems for battery powered emergency escape lighting |
| ☐ | EN 62035:
2000 + A1:2003 | Discharge lamps (excluding fluorescent lamps) — Safety specifications |
| ☐ | EN 62471:
2008 | Photobiological safety of lamps and lamp systems |

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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: 2006** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
+A1:2007+
A2:2009
– for luminary integrated applications having no terminals for external sensors
- ☒ **EN 55015: 2006** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
+A1:2007+
A2:2009
with deviation, in conjunction with the Statement of a notified body
– for the independent use of sensor, push button and/or controller
- ☐ **EN 55022: 2006** Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
+A1:2007
- ☐ **EN 55024: 1998** Information technology equipment - Immunity characteristics - Limits and methods of measurement
+A1:2001+A2:2003
- ☒ **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)
- ☒ **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: 2009 + Corr.:2010** 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.

- ☐ **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

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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DALleco Control

DALleco LS/PD LI

DALleco Sensor KIT

ECO CI KIT

Y-Con. Screw

Y-Connector

Sensor Kit

DALleco Master Remote

DALleco User Remote