

EC-Declaration of Conformity



Document number: 2012ZCI2866465LM
Manufacturer or representative: OSRAM AG
Address: Hellabrunner Straße 1
81543 München
Germany
Brand name or trade mark: OSRAM
Product type: LED module
Product designation: BoxLED

1/5

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
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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: Design Center Shenzhen

Signatures: Sgd, Guenther Casper
Quality Management

Dr. Frank Hoermann
何人傑
1. 2012-09-20
Quality Assurance
OSRAM

Names: Guenther Casper

Frank Hoermann

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

Document number: 2012ZCI2866465LM

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) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

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|--------------------------|--|---|
| <input type="checkbox"/> | EN 60155:
1995 + A1:1995 +
A2:2007 | Glow-starters for fluorescent lamps |
| <input type="checkbox"/> | EN 60432-1:
2000 + A1:2005 | Incandescent lamps — Safety specifications — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | EN 60432-2:
2000 + A1:2005 | Incandescent lamps — Safety specifications — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | EN 60432-3:
2003 + A1:2005 +
A2:2008 | Incandescent lamps — Safety specifications — Part 3: Tungsten halogen lamps (non-vehicle) |
| <input type="checkbox"/> | EN 60598-1:
2008 + A11:2009 | Luminaires — Part 1: General requirements and tests |
| <input type="checkbox"/> | EN 60598-2-1:
1989 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires |
| <input type="checkbox"/> | EN 60598-2-2:
2012 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-3:
2003 + A1:2011 | Luminaires — Part 2-3: Particular requirements — Luminaires for road and street lighting |
| <input type="checkbox"/> | EN 60598-2-4:
1997 | Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires |
| <input type="checkbox"/> | EN 60598-2-5:
1998 | Luminaires — Part 2-5: Particular requirements — Floodlights |
| <input type="checkbox"/> | EN 60598-2-6:
1994 + A1:1997 | Luminaires — Part 2-6: Particular requirements — Luminaires with built-in transformers for filament lamps |
| <input type="checkbox"/> | EN 60598-2-7:
1989 + A2:1996 +
A13:1997 | Luminaires — Part 2-7: Particular requirements — Portable luminaires for garden use |
| <input type="checkbox"/> | EN 60598-2-8:
1997+ A1:2000 +
A2:2008 | Luminaires — Part 2-8 : Particular requirements — Handlamps |
| <input type="checkbox"/> | EN 60598-2-10:
2003 | Luminaires — Part 2-10: Particular requirements — Portable luminaires for children |
| <input type="checkbox"/> | EN 60598-2-13:
2006 + A1:2012 | Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-20:
2010 | Luminaires — Part 2-20: Particular requirements — Lighting chains |
| <input type="checkbox"/> | EN 60598-2-22:
1998 + A1:2003 +
A2:2008 | Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting |
| <input type="checkbox"/> | EN 60968:
1990 + A1:1993 +
A2:1999 | Self-ballasted lamps for general lighting services — Safety requirements |
| <input type="checkbox"/> | EN 61195:
1999 | Double-capped fluorescent lamps — Safety specifications |
| <input type="checkbox"/> | EN 61199:
2011 | Single-capped fluorescent lamps — Safety specifications |

- 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 62493: 2010 Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 62532: 2011 Fluorescent induction lamps — Safety specifications
- EN 62560: XXXX Self-ballasted LED-lamps for general lighting services by voltage > 50 V — Safety specifications
- EN 62776: XXXX Double-capped LED lamps for general lighting services — 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) or other specifications. 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 lighting and similar equipment
2006 + A1:2007
+ A2:2009
- EN 61000-3-2:** Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
2006 + A1:2009
+ A2:2009
- EN 61000-3-3:** 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
2008
- EN 61547:** Equipment for general lighting purposes — EMC immunity requirements
2009
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EC-Declaration of Conformity Attached list

Document number: 2012ZCI2866465LM

BX06BAW4F-830 (Test report EDOS No., ZRD2834057, family code: 10387949)

BX06BAW4F-840 (Test report EDOS No., ZRD2834057, family code: 10387949)

BX06BAW4F-765 (Test report EDOS No., ZRD2834057, family code: 10387949)

BX06SAW4F-830 (Test report EDOS No., ZRD2834056, family code: 10367208)

BX06SAW4F-840 (Test report EDOS No., ZRD2834056, family code: 10367208)

BX06SAW4F-765 (Test report EDOS No., ZRD2834056, family code: 10367208)