

Manufacturer's Declaration of Conformity with International Standards



Document number: 2015 / 9C1 3141939-EN-00
Manufacturer or representative: OSRAM GmbH
Address: Marcel-Breuer-Str. 6
80807 München
Germany

Brand name or trade mark: OSRAM GmbH
Product type: LED module
Product designation: BOXLED XS PLUS G15
 see attached list

Compliance with the International Standards marked in the **Annex** is confirmed.
NOTE: If no International Standard applies, regional or national standards may be referred to.

Place and date of signature Munich; 20.03.2015

Signatures:

LLS QM QMIP
Veser Alwin

Quality Management

QM&EHS LAB 1
Schemmel Bernhard

Quality Assurance

Names:

Mr. Alwin Veser

Mr. Bernhard Schemmel

This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. It confirms compliance with the indicated standards, but implies no warranty of properties.
This declaration is in conformity with the International Standard ISO/IEC 17050-1 "Conformity assessment — Supplier's declaration of conformity — Part 1: General requirements".
This declaration is valid until further notice.
NOTE: The "Manufacturer's Declaration of Conformity with International Standards" is independent of other declarations of conformity.

Manufacturer's Declaration of Conformity with International Standards Annex

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The designated product(s) comply with the following International Standard(s)

- | | | |
|--------------------------|---|---|
| <input type="checkbox"/> | CISPR 15:
2013 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| <input type="checkbox"/> | IEC 60064:
1993 + A1:2000 +
A2:2002 + A3:2005 +
A4:2007 + A5:2009 | Tungsten filament lamps for domestic and similar general lighting purposes — Performance specifications |
| <input type="checkbox"/> | IEC 60081:
1997 + A1:2000 +
A2:2003 + A3:2005 +
A4:2010 + A5:2013 | Double-capped fluorescent lamps — Performance specifications |
| <input type="checkbox"/> | IEC 60155:
1993 + A1:1995 +
A2:2006 | Glow-starters for fluorescent lamps |
| <input type="checkbox"/> | IEC 60188:
2001 | High-pressure mercury vapour lamps |
| <input type="checkbox"/> | IEC 60192:
2001 | Low pressure sodium vapour lamps — Performance specifications |
| <input type="checkbox"/> | IEC 60357:
2003 + A1:2006 +
A2:2008 + A3:2011 | Tungsten halogen lamps (non-vehicle) — Performance specifications |
| <input type="checkbox"/> | IEC 60432-1:
1999 + A1:2005 +
A2:2011 | Incandescent lamps — Safety specifications — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | IEC 60432-2:
1999 + A1:2005 +
A2:2012 | Incandescent lamps — Safety specifications — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | IEC 60432-3:
2012 | Incandescent lamps — Safety specifications — Part 3: Tungsten halogen lamps (non-vehicle) |
| <input type="checkbox"/> | IEC 60598-1:
2008 +
Corrigendum 1:2011 +
Corrigendum 2:2011 | Luminaires — Part 1: General requirements and tests |
| <input type="checkbox"/> | IEC 60598-2-1:
1979 + A1:1987 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires |
| <input type="checkbox"/> | IEC 60598-2-2:
2011 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| <input type="checkbox"/> | IEC 60598-2-3:
2002 + A1:2011 | Luminaires — Part 2-3: Particular requirements — Luminaires for road and street lighting |
| <input type="checkbox"/> | IEC 60598-2-4:
1997 | Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires |
| <input type="checkbox"/> | IEC 60598-2-5:
1998 | Luminaires — Part 2-5: Particular requirements — Floodlights |
| <input type="checkbox"/> | IEC 60598-2-6:
1994 + A1:1996 | Luminaires — Part 2-6: Particular requirements — Luminaires with built-in transformers for filament lamps |
| <input type="checkbox"/> | IEC 60598-2-7:
1982 + A1:1987 +
A2:1994 | Luminaires — Part 2-7: Particular requirements — Portable luminaires for garden use |

- IEC 60598-2-8:** 2013 Luminaires — Part 2-8: Particular requirements — Handlamps
- IEC 60598-2-10:** 2003 Luminaires — Part 2-10: Particular requirements — Portable luminaires for children
- IEC 60598-2-12:** 2013 Luminaires — Part 2-12: Particular requirements — Mains socket-outlet mounted nightlight
- IEC 60598-2-13:** 2006 + A1:2011 Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires
- IEC 60598-2-20:** 2010 Luminaires — Part 2-20: Particular requirements — Lighting chains
- IEC 60598-2-22:** 1997 + A1:2002 + A2:2008 Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting
- IEC 60662:** 2011 High-pressure sodium vapour lamps
- IEC 60809:** 1996 + A1:1996 + A2:2002 + A3:2004 + A4:2009 + A5:2012 Lamps for road vehicles — Dimensional, electrical and luminous requirements
- IEC 60810:** 2003 + A1:2008 + A2:2013 Lamps for road vehicles — Performance requirements
- IEC 60901:** 1996 + A1:1997 + A2:2000 + A3:2004 + A4:2007 + A5:2011 Single-capped fluorescent lamps — Performance specifications
- IEC 60921:** 2004 + A1:2006 Ballasts for tubular fluorescent lamps — Performance requirements
- IEC 60923:** 2005 + A1:2006 Auxiliaries for lamps — Ballasts for discharge lamps (excluding tubular fluorescent lamps) — Performance requirements
- IEC 60925:** 1989 + A1:1996 + A2:2001 D. C. supplied electronic ballasts for tubular fluorescent lamps — Performance requirements
- IEC 60927:** 2007 + A1:2013 Auxiliaries for lamps — Starting devices (other than glow starters) — Performance requirements
- IEC 60929:** 2011 AC-supplied electronic ballasts for tubular fluorescent lamps — Performance requirements
- IEC 60968:** 2012 Self-ballasted lamps for general lighting services — Safety requirements
- IEC 60969:** 1988 + A1:1991 + A2:2000 Self-ballasted lamps for general lighting services — Performance requirements
- IEC 60983:** 1995 + A1:2005 Miniature lamps
- IEC 61000-3-2:** 2005 + A1:2008 + A2:2009 Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- IEC 61000-3-3:** 2013 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
- IEC 61047:** 2004 DC or AC supplied electronic step-down convertors for filament lamps — Performance requirements
- IEC 61049:** 1991 Capacitors for use in tubular fluorescent and other discharge lamp circuits; Performance requirements
- IEC 61167:** 2011 Metal halide lamps — Performance specifications

- IEC 61195:** 1999 + A1:2012 Double-capped fluorescent lamps — Safety specifications
- IEC 61199:** 2011 + A1:2012 Single-capped fluorescent lamps — Safety specifications
- IEC 61228:** 2008 Method of measuring and specifying the UV-radiation of ultraviolet lamps used for sun-tanning
- IEC 61347-1:** 2007 + A1:2010 + A2:2012 Lamp controlgear — Part 1: General and safety requirements
- IEC 61347-2-2:** 2011 Lamp controlgear — Part 2-2: Particular requirements for d. c. or a. c. supplied electronic step-down convertors for filament lamps
- IEC 61347-2-3:** 2011 + Corrigendum 1:2011 Lamp controlgear — Part 2-3: Particular requirements for a. c. supplied electronic ballasts for fluorescent lamps
- IEC 61347-2-7:** 2011 Lamp controlgear — Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)
- IEC 61347-2-8:** 2000 + A1:2006 + Corr. 1:2012 Lamp controlgear — Part 2-8: Particular requirements for ballasts for fluorescent lamps
- IEC 61347-2-9:** 2000 + A1:2003 + A2:2006 Lamp controlgear — Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)
- IEC 61347-2-10:** 2000 + A1:2008 Lamp controlgear — Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes)
- IEC 61347-2-11:** 2001 + Corrigendum:2001 Lamp controlgear — Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires
- IEC 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)
- IEC 61347-2-13:** 2006 Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules
- IEC 61547:** 2009 + Corr. 1:2010 Equipment for general lighting purposes — EMC immunity requirements
- IEC 61549:** 2003 + A1:2005 + A2:2010 + A3:2012 Miscellaneous lamps
- IEC 62031:** 2008 LED modules for general lighting — Safety specifications
- IEC 62034:** 2012 Automatic test systems for battery powered emergency escape lighting
- IEC 62035:** 1999 + A1:2003 + A2:2012 Discharge lamps (excluding fluorescent lamps) — Safety specifications
- IEC 62384:** 2006 + A1:2009 DC or AC supplied electronic control gear for LED modules — Performance requirements
- IEC 62386-101:** 2009 Digital addressable lighting interface — Part 101: General requirements — System
- IEC 62386-102:** 2009 Digital addressable lighting interface — Part 102: General requirements — Control gear
- IEC 62386-103:** XXXX Digital addressable lighting interface — Part 103: General requirements — Control devices
- IEC 62386-201:** 2009 Digital addressable lighting interface — Part 201: Particular requirements for control gear — Fluorescent lamps (decive type 0)
- IEC 62386-202:** 2009 Digital addressable lighting interface — Part 202: Particular requirements for control gear — Self-contained emergency lighting (decive type 1)

- IEC 62386-203:**
2009 Digital addressable lighting interface — Part 203: Particular requirements for control gear — Discharge lamps (excluding fluorescent lamps) (decive type 2)
- IEC 62386-204:**
2009 Digital addressable lighting interface — Part 204: Particular requirements for control gear — Low voltage halogen lamps (decive type 3)
- IEC 62386-205:**
2009 Digital addressable lighting interface — Part 205: Particular requirements for control gear — Supply voltage controller for incandescent lmaps (decive type 4)
- IEC 62386-206:**
2009 Digital addressable lighting interface — Part 206: Particular requirements for control gear — Conversion from digital signal into d.c. voltage (decive type 5)
- IEC 62386-207:**
2009 Digital addressable lighting interface — Part 207: Particular requirements for control gear — LED modules (decive type 6)
- IEC 62386-208:**
2009 Digital addressable lighting interface — Part 208: Particular requirements for control gear — Switching function (decive type 7)
- IEC 62386-209:**
2011 Digital addressable lighting interface — Part 209: Particular requirements for control gear — Colour control (decive type 8)
- IEC 62386-210:**
2011 Digital addressable lighting interface — Part 210: Particular requirements for control gear — Sequencer (decive type 9)
- IEC 62386-211:**
XXXX Digital addressable lighting interface — Part 211: Particular requirements for control gear — Optical control (decive type 10)
- IEC 62493:**
2009 Assessment of lighting equipment related to human exposure to electromagnetic fields
- IEC 62532:**
2011 Fluorescent induction lamps — Safety specifications
- IEC 62560:**
2011 +
Corrigendum:2012 Self-ballasted LED-lamps for general lighting services by voltage > 50 V — Safety specifications
- IEC 62612:**
2013 Self-ballasted LED-lamps for general lighting services by voltage > 50 V — Performance specifications
- IEC 62639:**
2012 Fluorescent induction lamps — Performance specification
- IEC 62707-1:**
2013 LED — Binning — Part 1: General requirements and white grid
- IEC/PAS 62717:**
2011 LED modules for general lighting — Performance requirements
- IEC/PAS 62722-1:**
2011 Luminaire performance — Part 1: General requirements
- IEC/PAS 62722-2-1:**
2011 Luminaire performance — Part 2-1: Particular requirements for LED luminaires
- IEC/PAS 62815-1:**
2013 Cold cathode fluorescent lamps — Part 1: Safety specifications
- IEC/PAS 62815-2:**
2013 Cold cathode fluorescent lamps — Part 2: Performance specifications
- IEC/PAS 62816-1:**
2013 External electrode fluorescent lamps — Part 1: Safety specifications
- IEC/PAS 62816-2:**
2013 External electrode fluorescent lamps — Part 2: Performance specifications
- IEC 62471:**
2006 Photobiological safety of lamps and lamp systems
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Manufacturer's Declaration of Conformity with International Standards Attached list

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BX-XS-PL-XY

Name coding

BX-XS-PL-XY

X: Ra index, e.g. 8 = 80

YY: color temperature e.g. 30 = 3000K