

EC-Declaration of Conformity



Document number: 2014 / ZCI-3118160-DOC-00
Manufacturer or representative: OSRAM GmbH
Address: Marcel-Breuer-Str. 6
80807 München
Germany
Brand name or trade mark: OSRAM
Product type: LED module
Product designation: BackLED XL PLUS G15
 See attached list

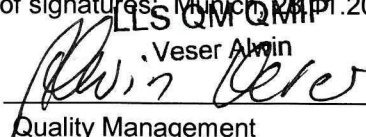
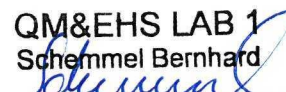
The designated product(s) is (are) in conformity with the provisions of the following European Directives.

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|-------------------------------------|--------------------------------------|--|
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
| <input type="checkbox"/> | 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 |
| <input checked="" type="checkbox"/> | 1194/2012
and amendments | Commission Regulation (EU) No 1194/2012 of 12 December 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for directional lamps, light emitting diode lamps and related equipment |
| <input checked="" type="checkbox"/> | 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 |
| <input type="checkbox"/> | | |

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: 14

Place and date of signatures: Munich, 28.01.2014

Signatures:	 Alwin Vesper Quality Management	 QM&EHS LAB 1 Schemmel Bernhard Quality Management Q LAB
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Names: Alwin Vesper

Bernhard Schemmel

This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. 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) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

- EN 60155:** 1995 + A1:1995 + A2:2007 Glow-starters for fluorescent lamps
- EN 60432-1:** 2000 + A1:2005 + A2:2012 Incandescent lamps — Safety specifications — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes
- EN 60432-2:** 2000 + A1:2005 + A2:2012 Incandescent lamps — Safety specifications — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes
- EN 60432-3:** 2013 Incandescent lamps — Safety specifications — Part 3: Tungsten halogen lamps (non-vehicle)
- EN 60598-1:** 2008 + A11:2009 Luminaires — Part 1: General requirements and tests
- EN 60598-2-1:** 1989 Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires
- EN 60598-2-2:** 2012 Luminaires — Part 2-2: Particular requirements — Recessed luminaires
- EN 60598-2-3:** 2003 + A1:2011 Luminaires — Part 2-3: Particular requirements — Luminaires for road and street lighting
- EN 60598-2-4:** 1997 Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires
- EN 60598-2-5:** 1998 Luminaires — Part 2-5: Particular requirements — Floodlights
- EN 60598-2-6:** 1994 + A1:1997 Luminaires — Part 2-6: Particular requirements — Luminaires with built-in transformers for filament lamps
- EN 60598-2-7:** 1989 + A2:1996 + A13:1997 Luminaires — Part 2-7: Particular requirements — Portable luminaires for garden use
- EN 60598-2-8:** 2013 Luminaires — Part 2-8 : Particular requirements — Handlamps
- EN 60598-2-10:** 2003 Luminaires — Part 2-10: Particular requirements — Portable luminaires for children
- EN 60598-2-12:** 2013 Luminaires — Part 2-12: Particular requirements — Mains socket-outlet mounted nightlights
- EN 60598-2-13:** 2006 + A1:2012 Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires
- EN 60598-2-20:** 2010 Luminaires — Part 2-20: Particular requirements — Lighting chains
- EN 60598-2-22:** 1998 + A1:2003 + A2:2008 Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting
- EN 60968:** 2013 Self-ballasted lamps for general lighting services — Safety requirements
- EN 61195:** 1999 + A1:2013 Double-capped fluorescent lamps — Safety specifications

- EN 61199:** Single-capped fluorescent lamps — Safety specifications
2011 + A1:2013
- EN 61347-1:** Lamp controlgear — Part 1: General and safety requirements
2008 + A1:2011 +
A2:2013
- EN 61347-2-1.** Lamp controlgear — Part 2-1: Particular requirements for starting devices (other
2001 + than glow starters)
Corrigendum:2003 +
A1:2006 +
Corrigendum:2006
Corrigendum:2010
- EN 61347-2-2:** Lamp controlgear — Part 2-2: Particular requirements for d. c. or a. c. supplied
2012 electronic step-down convertors for filament lamps
- EN 61347-2-3:** Lamp controlgear — Part 2-3: Particular requirements for a. c. supplied
2011 electronic ballasts for fluorescent lamps
- EN 61347-2-7:** Lamp controlgear — Part 2-7: Particular requirements for battery supplied
2012 electronic controlgear for emergency lighting (self-contained)
- EN 61347-2-8:** Lamp controlgear — Part 2-8: Particular requirements for ballasts for fluorescent
2001 + lamps
Corrigendum:2003 +
A1:2006 +
Corrigendum:2010
- EN 61347-2-9:** Lamp controlgear — Part 2-9: Particular requirements for ballasts for discharge
2013 lamps (excluding fluorescent lamps)
- EN 61347-2-10:** Lamp controlgear — Part 2-10: Particular requirements for electronic invertors
2001 + A1:2009 + and convertors for high-frequency operation of cold start tubular discharge
Corrigendum:2010 lamps (neon tubes)
- EN 61347-2-11:** Lamp controlgear — Part 2-11: Particular requirements for miscellaneous
2001 + electronic circuits used with luminaires
Corrigendum:2002 +
Corrigendum:2010
- EN 61347-2-12:** Lamp controlgear — Part 2-12: Particular requirements for d. c. or a. c. supplied
2005 + A1:2010 electronic ballasts for discharge lamps (excluding fluorescent lamps)
- EN 61347-2-13:** Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied
2006 electronic controlgear for LED modules
- EN 61549:** Miscellaneous lamps
2003 + A1:2005 +
A2:2010 + A3:2012
- EN 62031:** LED modules for general lighting — Safety specifications
2008 + A1:2013
- EN 62034:** Automatic test systems for battery powered emergency escape lighting
2012
- EN 62035:** Discharge lamps (excluding fluorescent lamps) — Safety specifications
2000 + A1:2003 +
A2:2012
- EN 62493:** Assessment of lighting equipment related to human exposure to
2010 electromagnetic fields
- EN 62532:** Fluorescent induction lamps — Safety specifications
2011
- EN 62560:** Self-ballasted LED-lamps for general lighting services by voltage > 50 V —
2012 Safety specifications
- EN 62776:** Double-capped LED lamps for general lighting services — Safety specifications
XXXX
- 34D/1064/CDV:** (as far as photobiological safety is concerned) together with
34A/PRESKO(ASZ)101 – Attachment 06 (for LED luminaires)
IEC 60598-1 ed 8: Luminaires - Part 1: General requirements and tests
- 34A/1554/CD:** LED modules for general lighting — Safety specifications (as far as
photobiological safety)

- IEC 60432-2:** (as far as photobiological safety is concerned) for Self-ballasted LED-lamps, by A2 :2012 Safety specifications
 - 34A/1536/CDV:** (as far as photobiological safety is concerned) for Double capped LED lamps for general lighting services –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) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

- EN 55015:** 2013 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
 - 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:** 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
 - EN 61547:** 2009 Equipment for general lighting purposes — EMC immunity requirements
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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:** 1998 + A1:2001 + A2:2003 Measurement method of total input power of ballast-lamp circuits
 - EN 62442-1:** 2011 Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear
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EC-Declaration of Conformity Attached list

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BA-XL-PL-XYX

Product name :

BA-XL-PL-XYX

BA-XL-PL-: BACKLED XL PLUS

XYX:

X : Ra index e.g.: 7 = Ra 70

YY : color temperature , e.g.: 27 = 2700 K
e.g.: 60 = 6000 K