

Manufacturer's Declaration of Conformity with European Standards



Document number: 2013 / ZCI 2886841-DOC-00
Manufacturer or representative: OSRAM GmbH
Address: Marcel-Breuer-Str. 6
80807 München
Germany
Product type: LED module
Product designation: LS_LL05CA2
 see attached list

Compliance with the European Directives and standards marked in the **Annex** is confirmed.

Place and date of signatures: .24.09.2013

Signatures:	signed Guenther Casper	
	Quality Management BU	Quality Management LAB
Names:	Guenther Casper	Bernhard Schemmel
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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 European Standard EN 17050-1 "Conformity assessment — Supplier's declaration of conformity — Part 1: General requirements".

This declaration is valid until further notice.

The "Manufacturer's Declaration of Conformity with European Standards" is independent of the "EC-Declaration of Conformity".

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Annex

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The designated product(s) comply with the following European Directive(s) and Regulation(s)

- | | | |
|-------------------------------------|--------------------------------------|---|
| <input checked="" 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 checked="" 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 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 |

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

- | | | |
|-------------------------------------|---|---|
| <input checked="" type="checkbox"/> | EN 62031:
2008 + A1:2013 | LED modules for general lighting — Safety specifications |
| <input checked="" type="checkbox"/> | 34A/1536/CDV: | (as far as photobiological safety is concerned) for Double capped LED lamps for general lighting services –Safety specifications |
| <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 \leq 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 \leq 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 |

Manufacturer's Declaration of Conformity with European Standards Attached list

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LF05CA2 (Test Report: ZRD 2886016 000 00, family code: 10393512)