

EC-Declaration of Conformity



Document number: 2013/04 65
Manufacturer or representative: OSRAM S.A.S.U.
Address: 5, rue d'Altorf
67120 Molsheim
FRANCE

1/6

Brand name or trade mark: OSRAM
Product type: Halogen lamp
Product designation: HAL ECO PRO

See attached list

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

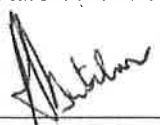
- 2006/95/EC** and amendments **Directive of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits**
- 2004/108/EC** and amendments **Directive of the European Parliament 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**

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: 08

Place and date of signatures: Molsheim 05/03/2013

Signatures:


Quality Management


Quality Assurance

Names: Arnaud Butscher

Stéphane Helbourg

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.

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|-------------------------------------|--|---|
| <input type="checkbox"/> | EN 60155:
1995 + A1:1995 +
A2:2007 | Glow-starters for fluorescent lamps |
| <input checked="" type="checkbox"/> | EN 60432-1:
2000 + A1:2005 +
A2:2012 | Incandescent lamps — Safety specifications — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes |
| <input checked="" type="checkbox"/> | EN 60432-2:
2000 + A1:2005 +
A2:2012 | 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 |

- 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:** 2012 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

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AA37109 64541 A PRO 20W 230V E27 ECO OSRAM
AA40839 64541 A PRO 20W 240V E27 ECO OSRAM
AA37110 64541 B PRO 20W 230V E14 ECO OSRAM
AA37111 64541 B PRO 20W 240V E14 ECO OSRAM
AA37112 64541 B PRO 20W 240V B22 ECO OSRAM
AA40840 64541 BW PRO 20W 240V E14 ECO OSRAM
AA37113 64541 P PRO 20W 230V E14 ECO OSRAM
AA37114 64541 P PRO 20W 230V E27 ECO OSRAM
AA40841 64541 P PRO 20W 240V E14 ECO OSRAM
AA40842 64541 P PRO 20W 240V E27 ECO OSRAM
AA35708 64542 A PRO 30W 230V E27 ECO OSRAM
AA35713 64542 A PRO 30W 240V E27 ECO OSRAM
AA36882 64542 A PRO 30W 240V B22 ECO OSRAM
AA35563 64542 B PRO 30W 230V E14 ECO OSRAM
AA36895 64542 B PRO 30W 230V E27 ECO OSRAM
AA35588 64542 BW PRO 30W 230V E14 ECO OSRAM
AA35573 64542 B PRO 30W 240V E14 ECO OSRAM
AA36897 64542 B PRO 30W 240V B22 ECO OSRAM
AA35590 64542 BW PRO 30W 240V E14 ECO OSRAM
AA36901 64542 BW PRO 30W 240V B22 ECO OSRAM
AA35550 64542 P PRO 30W 230V E14 ECO OSRAM
AA35551 64542 P PRO 30W 230V E27 ECO OSRAM
AA35555 64542 P PRO 30W 240V E14 ECO OSRAM
AA35556 64542 P PRO 30W 240V E27 ECO OSRAM
AA35557 64542 P PRO 30W 240V B22 ECO OSRAM
AA35709 64543 A PRO 46W 230V E27 ECO OSRAM
AA35717 64543 A PRO 46W 240V E27 ECO OSRAM
AA36885 64543 A PRO 46W 230V B22 ECO OSRAM
AA35568 64543 B PRO 46W 230V E14 ECO OSRAM
AA36896 64543 B PRO 46W 230V E27 ECO OSRAM
AA35589 64543 BW PRO 46W 230V E14 ECO OSRAM
AA35584 64543 B PRO 46W 240V E14 ECO OSRAM
AA36899 64543 B PRO 46W 240V B22 ECO OSRAM

AA35592 64543 BW PRO 46W 240V E14 ECO OSRAM
AA36902 64543 BW PRO 46W 240V B22 ECO OSRAM
AA35552 64543 P PRO 46W 230V E14 ECO OSRAM
AA35554 64543 P PRO 46W 230V E27 ECO OSRAM
AA35558 64543 P PRO 46W 240V E14 ECO OSRAM
AA35560 64543 P PRO 46W 240V E27 ECO OSRAM
AA35561 64543 P PRO 46W 240V B22 ECO OSRAM
AA35710 64544 A PRO 57W 230V E27 ECO OSRAM
AA35721 64544 A PRO 57W 240V E27 ECO OSRAM
AA36887 64544 A PRO 57W 240V B22 ECO OSRAM
AA35711 64547 A PRO 77W 230V E27 ECO OSRAM
AA35725 64547 A PRO 77W 240V E27 ECO OSRAM
AA36889 64547 A PRO 77W 240V B22 ECO OSRAM
A573718 64548 A PRO 105W 230V E27 ECO OSRAM
AA38414 64548 A PRO 105W 240V B22 ECO OSRAM
AA36881 64548 A PRO 116W 230V E27 ECO OSRAM
AA35729 64548 A PRO 116W 240V E27 ECO OSRAM
AA36893 64548 A PRO 116W 240V B22 ECO OSRAM