

EC-Declaration of Conformity

Document number: 2012/16/1D 1/6
Manufacturer or representative: Radium
Address: Dr.-Eugen-Kersting-Straße 6
51688 Wipperfürth
Germany
Brand name or trade mark: Radium
Product type: Halogen lamp
Product designation: Tungsten Halogen Lamps
 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
-

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: -

Place and date of signatures: Wipperfürth 22.10.2012

Signatures:


Quality Management


Quality Assurance

Names: Yanninck Scheyer

Mr. Dirk Böhnke

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: **Fehler! Verweisquelle konnte nicht gefunden werden.**

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

- | | | |
|-------------------------------------|--|---|
| <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 checked="" 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 62471:**
2008 Photobiological safety of lamps and lamp systems
- IEC/TR 62471-2:**
2009 Photobiological safety of lamps and lamp systems — Part 2: Guidance on
manufacturing requirements relating to non-laser optical radiation safety
- 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
-

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). 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: 2012/16/1D

223 18031 RJH-A 30W/230/C/XE/E27
223 18032 RJH-A 46W/230/C/XE/E27
223 18033 RJH-A 57W/230/C/XE/E27
223 18034 RJH-A 77W/230/C/EX/E27
223 18035 RJH-A 116W/230/C/XE/E27

223 18036 RJH-A 30W/240/XE/B22D
223 18037 RJH-A 46W/240/C/XE/B22D
223 18038 RJH-A 57W/240/C/XE/E27
223 18039 RJH-A 57W/240/C/XE/B22D
223 18040 RJH-A 77W/240/C/XE/E27
223 18041 RJH-A 77W/240/XE/B22D
223 18042 RJH-A 116W/240/C/XE/E27
223 18043 RJH-A 116W/240/C/XE/B22D

223 18044 RJH-C 20W/230/C/XE/E14
223 18045 RJH-C 30W/230/C/XE/E14
223 18046 RJH-C 46W/230/C/XE/E14

223 18047 RJH-C 30W/240/C/XE/B22D

223 18048 RJH-CR 30W/230/C/XE/E14

124 05122 C15W/230/C/E14
124 12308 C25W/230/C/E14
124 12311 C40W/230/C/E14

223 18049 RJH-D 20W/230/C/XE/E14
223 18050 RJH-D 30W/230/C/XE/E14
223 18051 RJH-D 46W/230/C/XE/E14

223 18052 RJH-D 20W/230/C/XE/E27
223 18053 RJH-D 30W/230/C/XE/E27
223 18054 RJH-D 46W/230/C/XE/E27

223 18769 RJH-TD 25W/230/C/E14
223 18768 RJH-TD 40W/230/C/E14
223 11263 RJH-TD 60W/230/C/E14

223 18635 RJH-TD 70W/230/C/E27
223 18636 RJH-TD 100W/230/C/E27
223 18638 RJH-TD 205W/230/C/E27
223 18766 RJH-TD 205W/240/C/E27

223 18629 RJH-T 40W/230/C/B15D
223 18630 RJH-TK 60W/230/C/B15D
223 18631 RJH-T 60W/230/C/B15D
223 18632 RJH-T 70W/230/C/B15D
223 18633 RJH-T 100W/230/C/B15D
223 18634 RJH-TK 150W/230/C/B15D

223 18568 RJH-PIN 20W/230/C/XE/G9
223 18246 RJH-PIN 33W/230/C/XE/G9
223 18569 RJH-PIN 48W/230/C/XE/G9
223 18570 RJH-PIN 60W/230/C/XE/G9

223 12870 RJH-PIN 25W/230/C/G9
223 12872 RJH-PIN 40W/230/C/G9

223 15653 RJH-TS 48W/230C/XE/R7S
223 15570 RJH-TS 80W/230/C/XE/R7S
223 15571 RJH-TSK 120W/230/C/XE/R7S
223 15651 RJH-TS 120W/230/C/XE/R7S
223 15652 RJH-TS 160W/230/C/XE/R7S
223 15551 RJH-TS 230W/230/C/XE/R7S
223 15552 RJH-TS 400W/230/C/XE/R7S

223 09409 RJH-TS 750W/230/C/R7S
223 00317 RJH-TS 1000W/230/C/R7S
223 00604 RJH-TS 1500W/230/C/R7S
223 00605 RJH-TS 2000W/230/C/R7S

223 15687 RJH-TS 230W/240/C/XE/R7S
223 15688 RJH-TS 400W/240/C/XE/R7S

223 01620 RJH-TS 2000W/230/C/FA4/

223 08311 RJH-TS 1000W/240/C/R7S
223 08313 RJH-TS 1500W/240/C/R7S

223 14519 RJH-TS 1000W/230/F/R7S
223 14706 RJH-TS 1000W/240/F/R7S

223 15316 RJL-TS 400W/42/C/R7S