

EC-Declaration of Conformity

Document number: 2010/02 CFL 1/5
Manufacturer or representative: Radium
Address: Dr.-Eugen-Kersting-Straße 6
Brand name or trade mark: Radium
Product type: Single-capped fluorescent lamp
Product designation: Compact fluorescent 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
- 2000/55/EC** Directive of the European Parliament and of the Council of 18 September 2000 on energy efficiency requirements for ballasts for fluorescent lighting and amendments
(to be repealed by 13 April 2010)
- 2005/32/EC** Directive of the European Parliament and of the Council of 6 July 2005 establishing a framework for the setting of ecodesign requirements for energy-using 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 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: 1997

Place and date of signatures: Wipperfürth / 18.02.2010

Signatures:  
 Plant Manager Product Manager Quality Manager

Names and contact addresses: Mr. Matthias Nagel Mr. Dirk Böhnke
Dr.-Eugen-Kersting-Straße 6 Dr.-Eugen-Kersting-Straße 6
D-51688 Wipperfürth D-51688 Wipperfürth

This declaration certifies compliance with the indicated Directives, but implies no warranty of properties.

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Annex

Document number: 2010/02 CFL

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 filament lamps for domestic and similar general lighting purposes |
| <input type="checkbox"/> | EN 60432-3:
2003+A1:2005 | Incandescent lamps — Safety specifications — Part 3: Tungsten halogen lamps (non-vehicle) |
| <input type="checkbox"/> | EN 60598-1:
2008 | 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:
1996+A1 1997 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| <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 | Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-20:
1997 + A1:1998 +
A2:2004 | Luminaires — Part 2: Particular requirements — Lighting chains |
| <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 checked="" type="checkbox"/> | EN 61199:
1999 | Single-capped fluorescent lamps — Safety specifications |
| <input type="checkbox"/> | EN 61347-1:
2001 | Lamp controlgear — Part 1: General and safety requirements |
| <input type="checkbox"/> | EN 61347-2-2:
2001 + A1:2006 +
A2:2006 | Lamp controlgear — Part 2-2: Particular requirements for d. c. or a. c. supplied electronic step-down convertors for filament lamps |

- | | | |
|--------------------------|---|---|
| <input type="checkbox"/> | EN 61347-2-3:
2001+A1:2004 +
A2:2006 | Lamp controlgear — Part 2-3: Particular requirements for a. c. supplied electronic ballasts for fluorescent lamps |
| <input type="checkbox"/> | EN 61347-2-12:
2005 | Lamp controlgear — Part 2-12: Particular requirements for d. c. or a. c. supplied electronic ballasts for discharge lamps (excluding fluorescent lamps) |
| <input type="checkbox"/> | EN 61347-2-13:
2007 | Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules |
| <input type="checkbox"/> | EN 61549:
2003 + A1:2005 | Miscellaneous lamps |
| <input type="checkbox"/> | EN 62031:
2008 | LED modules for general lighting — Safety specifications |
| <input type="checkbox"/> | EN 62035:
2000 + A1:2003 | Discharge lamps (excluding fluorescent lamps) — Safety specifications |
| <input type="checkbox"/> | EN 62471:
2008 | Photobiological safety of lamps and lamp systems

NOTE: This is a horizontal standard. It is not applicable where photobiological safety is covered by product standards. |
| <input type="checkbox"/> | EN 62560:
XXXX | Self-ballasted LED-lamps for general lighting services by voltage > 50 V — Safety specifications |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |

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.

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|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | EN 55015:
2006 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| <input checked="" type="checkbox"/> | EN 61000-3-2:
2006 | Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| <input type="checkbox"/> | EN 61000-3-3:
1995 + A1:2001
+ A2:2005 | 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 |
| <input checked="" type="checkbox"/> | EN 61547:
1995 + A1:2000 | Equipment for general lighting purposes — EMC immunity requirements |
| <input type="checkbox"/> | | |

The conformity of the designated product(s) with the provisions of the European Directive **2000/55/EC** is given by the compliance with the following European Standard(s). If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

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| <input type="checkbox"/> | EN 50294:
1998 | Measurement method of total input power of ballast-lamp circuits |
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EC-Declaration of Conformity Attached list

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Ralux L (18W, 24W, 36W, 40W, 55W, 80W)

Ralux S (5W, 7W, 9W, 11W, 13W)

Ralux S/E (5W, 7W, 9W, 11W)

RX-D 10W/840/G24D

RX-D 10W/830/G24D

RX-D 10W/827/G24D

RX-D 13W/840/G24D

RX-D 13W/830/G24D

RX-D 13W/827/G24D

RX-D 18W/865/G24D

RX-D 18W/840/G24D

RX-D 18W/830/G24D

RX-D 18W/827/G24D

RX-D 26W/865/G24D

RX-D 26W/840/G24D

RX-D 26W/830/G24D

RX-D 26W/827/G24D

RX-D/E 10W/840/G24Q

RX-D/E 10W/830/G24Q

RX-D/E 10W/827/G24Q

RX-D/E 13W/840/G24Q

RX-D/E 13W/830/G24Q

RX-D/E 13W/827/G24Q

RX-D/E 18W/840/G24Q

RX-D/E 18W/830/G24Q

RX-D/E 18W/827/G24Q

RX-D/E 26W/840/G24Q

RX-D/E 26W/830/G24Q

RX-D/E 26W/827/G24Q

RX-T 18W/840/GX24D

RX-T 18W/830/GX24D

RX-T 18W/827/GX24D

RX-T 26W/840/GX24D

RX-T 26W/830/GX24D
RX-T 26W/827/GX24D
RX-T/E 18W/840/GX24Q
RX-T/E 18W/830/GX24Q
RX-T/E 26W/840/GX24Q
RX-T/E 26W/830/GX24Q
RX-T/E 32W/840/GX24Q
RX-T/E 32W/830/GX24Q
RX-T/E 42W/840/GX24Q
RX-T/E 42W/830/GX24Q
RX-LT 18W/830/2G11
RX-LT 24W/830/2G11
RX-TW 18W/840/2G10
RX-TW 18W/830/2G10
RX-TW 24W/840/2G10
RX-TW 24W/830/2G10
RX-TW 24W/827/2G10
RX-TW 36W/840/2G10
RX-TW 36W/830/2G10
RX-TW 36W/827/2G10