

# CE-Declaration of Conformity

**Product designation:** FL Ballast

ESB114-35, ESB118-40, ESB149, ESB154-58, ESB180,  
ESB214-35, ESB218-40, ESB249, ESB254-58

**These designated products are in conformity with the provisions of the following European Directive.**

**2001/95/EC and amendments**

- Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001 on general product safety

**2011/65/EU and amendments**

- Directive 2011/65/EU 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.

**2014/30/EU and amendments**

- Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility.

**2014/35/EU and amendments**

- Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits

**2009/125/EC and amendments**

- Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of eco design requirements for energy-related products.

**(EC) 245/2009 and amendments**

- Commission Regulation (EC) No 245/2009 of 18 March 2009 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

**They have been tested with the following harmonised standards:**

**IEC 61347-1:2007+AMD1:2010+AMD2:2012**

- Lamp control gear – Part1 : General and safety requirements

**IEC61347-2-3:2011**

- Lamp controlgear -- Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps.

**CISPR 15 / EN 55015:2013+AMD1:2015**

- Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.

**IEC 61000-3-2:2014**

- Electromagnetic compatibility (EMC) Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

**IEC 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 ≤ 16A per phase and not subject to conditional connection

**IEC 61547:2009**

- Equipment for general lighting purposes - EMC immunity requirements

**IEC 62493:2015**

- Assessment of lighting equipment related to human exposure to electromagnetic fields

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**Signature:**

**Date:**

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