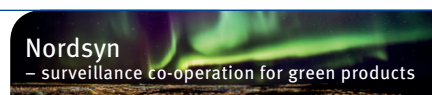




Content of Technical Documentation to provide to market surveillance authorities

**NORDSYN JUNE 2016**

*Fluorescent lamps without integrated ballast, high intensity discharge lamps, and ballasts and luminaires able to operate such lamps are covered by ecodesign requirements according to Regulation (EC) No 245/2009 and Regulation (EU) No 347/2010 (amendment to (EC) No 245/2009). The requirements only apply to lamps, ballasts and luminaires as described in Article 1 and 2 of Regulation (EC) No 245/2009 and with exceptions as mentioned in Annex I of Regulation (EC) No 245/2009 and in the Annex to Regulation (EU) No 347/2010. The documentation shall be produced before the lamp, ballast etc. is placed on the market. The technical documentation shall be sufficient to enable assessment of the conformity of the fluorescent lamps with the requirements. In this respect it is important that test reports are included in the technical documentation. Be aware that fluorescent lamps, high intensity discharge lamps, and luminaires also are covered by the energy labelling Regulation (EU) No 874/2012.**

Fluorescent lamps

without integrated ballast, high intensity discharge lamps, and ballasts and luminaires able to operate such lamps

This guide presents the technical documentation that you have to provide if the market surveillance authorities ask for it. There are however other information requirements and requirements on web-information that you always need to fulfil according to the regulations.

Technical documentation for Fluorescent lamps

Demands	How to comply
Name and address of supplier	Company name and complete address.
General description	Description of the model so that it is easily identified (model name and number, size etc.).
List of applied standards	Applied measurement standards (harmonised standards and/or other standards).
Identification and signature of the person empowered to bind the supplier	Name and signature of the person responsible for the product.
Product information requirements on lamps According to 245/2009/EC unless otherwise stated <i>The rated luminous efficacy shall comply with the requirements set out in the Regulation Annex III point 1.1.</i>	- Nominal and rated lamp wattage. - Nominal and rated lamp luminous flux. - Rated lamp efficacy at 100h in standard conditions (25 °C, for T5 lamps at 35 °C). - Rated lamp Lumen Maintenance Factor (LLMF) at following burning hours: 2,000h, 4,000h, 6,000h, 8,000h, 12,000h, 16,000h, and 20,000h. - Rated lamp Survival Factor (LSF) at following burning hours: 2,000h, 4,000h, 6,000h, 8,000h, 12,000h, 16,000h, and 20,000h. - Mercury content as X.X mg. - Colour Rendering Index (Ra). - Colour temperature. - Ambient temperature inside the luminaire at lamp's maximum luminous flux. If this temperature ≤ 0 or > 50 °C, it shall be stated that the lamp is not suitable for indoor use at standard room temperatures (according to Regulation 347/2010/EU). - For fluorescent lamps without integrated ballast, the energy efficiency index(es) of ballasts with which the lamp can operate (according to Regulation 347/2010/EU).
Product information requirements on ballasts <i>The EEI shall comply with the minimum energy requirements set out in the Regulation Annex III point 2.1.</i>	- For ballasts for fluorescent lamps, state energy efficiency index (EEI) class. - For non-dimmable ballasts, the classes (in descending order of efficiency) are A2 BAT, A2, A3, B1 and B2.

*Please see the separate guide with regards to energy labelling of lamps and luminaires.

Technical documentation for Fluorescent lamps

Demands	How to comply
	- For dimmable ballasts, the classes (in descending order of efficiency) are A1 BAT and A1. - For ballasts for high intensity discharge lamps, the efficiency of the ballast as defined in Annex II 1.d of Regulation 245/2009/EC shall be indicated.
Product information requirements on luminaires The luminaire shall comply with requirements regarding power consumption and compatibility set out in the Regulation Annex III point 3.1.	- Information on the efficiency of the ballast according to the Regulation Annex III point 2.2 should be provided, in accordance with the ballast manufacturer's data, if the luminaire is placed on the market together with the ballast. - Lamp efficacy (lm/W) of the lamp should be provided, in accordance with the lamp manufacturer's data, if the luminaire is placed on the market together with the lamp. - References must be provided on the types of lamps or ballasts compatible with the luminaire (e.g. ILCOS code for the lamps), if the luminaire is not placed on the market together with the ballast, or the lamp. - Maintenance instruction. - Disassembly instructions. - All luminaires for high intensity discharge lamps shall indicate that they are designed for either clear and/or coated lamps within the meaning of Annex II of the Regulation.
Copy of information	Copy of information that must be provided on free-access websites according to Regulation 245/2009/EC Annex III point 1.3 for lamps, point 2.2 for ballasts and point 3.2 for luminaires.

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.

COMMISSION REGULATION (EU) No 347/2010 of 21 April 2010 amending Commission Regulation (EC) No 245/2009 as regards the ecodesign requirements for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such lamps.

COMMISSION DELEGATED REGULATION (EU) No 874/2012 of 12 July 2012 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of electrical lamps and luminaires.

This guide presents the contents of the Regulations and is addressed to manufacturers, importers and others interested. The guide is not a substitution for the Regulations, and in any case of doubt, the Regulations are applicable. This guide is not legally binding as a binding interpretation can only be made by the EU court.

Equivalent product means a product model placed on the market with the same technical and performance characteristics, as another product placed on the market under a different commercial name by the same manufacturer.

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