

Necessary content of Technical Documentation

Fluorescent lamps

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

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.

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

Technical documentation for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such 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 person responsible for the product.
Product information requirements on lamps According to 245/2009/EC unless otherwise stated	<ul style="list-style-type: none"> 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: 2000h, 4000h, 6000h, 8000h, 12000h, 16000h, and 20000h Rated lamp Survival Factor (LSF) at following burning hours: 2000h, 4000h, 6000h, 8000h, 12000h, 16000h, and 20000h 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).

The rated luminous efficacy shall comply with the requirements set out in the Regulation Annex III point 1.1.

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Demands	How to comply
Product information requirements on ballasts	<ul style="list-style-type: none"> 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 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	<ul style="list-style-type: none"> 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 according to Regulation 245/2009/EC Annex III point 1.3 for lamps, point 2.2 for ballasts and point 3.2 for luminaires.

The EEI shall comply with the minimum energy requirements set out in the Regulation Annex III point 2.1.

The luminaire shall comply with requirements regarding power consumption and compatibility set out in the Regulation Annex III point 3.1.

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.

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