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External electrode fluorescent lamps – Part 1: Safety specifications

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

EXTERNAL ELECTRODE FLUORESCENT LAMPS –

Part 1: Safety specifications

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IEC/PAS 62816-1 has been processed by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

The text of this PAS is based on the following document:	This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document
Draft PAS	**Report on voting**
34A/1597/PAS	34A/1616/RVD

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EXTERNAL ELECTRODE FLUORESCENT LAMPS –

Part 1: Safety specifications

1 Scope

This part of IEC/PAS 62816 specifies the safety requirements for tubular type external electrode fluorescent lamps for backlight unit purposes used in flat panel displays such as TVs and monitors etc., hereafter called “lamps”. This PAS will be revised to include other types of lamp when a need for them is recognized.

It also specifies the method a manufacturer needs to use to show compliance with the requirements of this PAS on the basis of whole production appraisal in association with test records on finished products.

Details of a batch test procedure, which can be used to make limited assessment of batches are also given in this PAS.

NOTE Compliance with this PAS concerns only safety criteria and does not take into account the performance of cold cathode fluorescent lamps for general lighting purposes with respect to colour, starting and operational characteristics.

2 Normative reference

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050 (all parts), *International Electrotechnical Vocabulary* (available at <http://www.electropedia.org>)

IEC 60410, *Sampling planes and procedures for inspection by attributes*

IEC 60695-2-10: *Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure*

IEC 61195, *Double-capped fluorescent lamps – Safety specifications*