



BSI Standards Publication

# External electrode fluorescent lamps

Part 2: Performance specifications

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**National foreword**

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Part 2: Performance specifications**

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### EXTERNAL ELECTRODE FLUORESCENT LAMPS –

#### Part 2: Performance specifications

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## EXTERNAL ELECTRODE FLUORESCENT LAMPS –

### Part 2: Performance specifications

#### 1 Scope

This part of IEC/PAS 62816 specifies the performance 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”. The PAS will be revised to include other types of lamp when a need for them is recognized.

#### 2 Normative references

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 plans and procedures for inspection by attributes*

IEC/PAS 62816-1, *External Electrode Fluorescent Lamps – Part 1: Safety specifications*

#### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-845 and the following apply.

##### 3.1

##### **external electrode fluorescent lamp**

discharge lamp of gases, by the attached electrode outside the lamp, in which most of the light is emitted by the excitation of phosphors coated in glass tube

##### 3.2

##### **nominal value**

approximate quantity value used to designate or identify a lamp

##### 3.3

##### **rated value**

quantity value for a characteristic of a lamp for specified operating conditions

Note 1 to entry: The value and the conditions are specified in this standard, or assigned by the manufacturer or responsible vendor.

##### 3.4

##### **lumen maintenance**

ratio of the luminous flux of a lamp at a given time in its life to its initial luminous flux, the lamp being operated under specific conditions

Note 1 to entry: The ratio is generally expressed as a percentage.