

PD IEC/PAS 62816-2:2013



BSI Standards Publication

# External electrode fluorescent lamps

Part 2: Performance specifications

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### **National foreword**

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The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/1, Electric lamps.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2013

ISBN 978 0 580 80169 3

ICS 29.140.99

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This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 November 2013.

### **Amendments/corrigenda issued since publication**

<b>Date</b>	<b>Text affected</b>
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# PUBLICLY AVAILABLE SPECIFICATION

## PRE-STANDARD

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### External electrode fluorescent lamps – Part 2: Performance specifications

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

PRICE CODE

**P**

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ICS 29.140.99

ISBN 978-2-8322-1127-4

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### EXTERNAL ELECTRODE FLUORESCENT LAMPS –

#### Part 2: Performance specifications

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IEC/PAS 62816-2 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/1598/PAS	34A/1617/RVD

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This PAS shall remain valid for an initial maximum period of 3 years starting from the publication date. The validity may be extended for a single period up to a maximum of 3 years, at the end of which it shall be published as another type of normative document, or shall be withdrawn.

## 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.