

PD IEC/PAS 62815-1:2013



BSI Standards Publication

# Cold cathode fluorescent lamps

Part 1: Safety 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 80166 2  
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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**Cold cathode fluorescent lamps –  
Part 1: Safety specifications**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

PRICE CODE

**K**

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ICS 29.140.99

ISBN 978-2-8322-1124-3

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**COLD CATHODE FLUORESCENT LAMPS –**

**Part 1: Safety specifications**

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IEC/PAS 62815-1 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/1595/PAS	34A/1614/RVD

Following publication of this PAS, which is a pre-standard publication, the technical committee or subcommittee concerned may transform it into an International Standard.

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to a maximum of 3 years, at the end of which it shall be published as another type of normative document, or shall be withdrawn.

## COLD CATHODE FLUORESCENT LAMPS –

### Part 1: Safety specifications

#### 1 Scope

This part of IEC/PAS 62815 specifies the safety requirements for tubular type cold cathode fluorescent lamps for backlight unit purposes (used for 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 should 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.

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 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 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*

#### 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

##### **cold cathode fluorescent lamp**

fluorescent lamp with cold cathode, in which most light is emitted by the excitation of phosphors coated in the discharge vessel

##### 3.2

##### **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 PAS, or assigned by the manufacturer or responsible vendor.