PD IEC/PAS 62816-2:2013

BSI Standards Publication

External electrode fluorescent lamps

Part 2: Performance specifications

bsi.

...making excellence a habit.™

Document Sharing Hub

National foreword

This Published Document is the UK implementation of IEC/PAS 62816-2:2013.

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.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2013

Published by BSI Standards Limited 2013

ISBN 978 0 580 80169 3

ICS 29.140.99

Compliance with a British Standard cannot confer immunity from legal obligations.

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

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: PD IEC/PAS 62816-2:2013

IEC/PAS 62816-2

Edition 1.0 2013-10

PUBLICLY AVAILABLE SPECIFICATION

PRE-STANDARD

External electrode fluorescent lamps –
Part 2: Performance specifications

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE P

ICS 29.140.99

ISBN 978-2-8322-1127-4

Warning! Make sure that you obtained this publication from an authorized distributor.

® Registered trademark of the International Electrotechnical Commission

Documents
Document Sharing Hub

Full document details: PD IEC/PAS 62816-2:2013

CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Terms and definitions 5
4 Classification 7
5 Lamp requirements 7
5.1 General 7
5.2 Tests 8
5.2.1 General 8
5.2.2 Construction 8
5.2.3 Starting characteristic 8
5.2.4 Luminance 8
5.2.5 Luminance uniformity 9
5.2.6 Effective luminance length (under consideration) 9
5.2.7 Chromaticity coordinates (under consideration) 9
5.2.8 Colour uniformity 9
5.2.9 Dark starting time 9
5.2.10 Tube surface temperature 9
5.2.11 Life (Reference) 9
5.3 Marking 10
Annex A (normative) Dimensions and criteria of EEFL 11
Annex B (normative) Measurement points of EEFL 12
Annex C (normative) Method of test for EEFL 13
Bibliography 15

Figure A.1 – Dimensions and criteria of EEFL 11
Figure B.1 – Measurement point division method of EEFL 12
Figure C.1 – Test circuit 14

Table 1 – Measurement items of test for life and criteria of failure 9
Table 2 – Assurance 10
Table 3 – Inspection levels and the criteria for decision 10

Documents
Document Sharing Hub
Full document details: PD IEC/PAS 62816-2:2013

INTERNATIONAL ELECTROTECHNICAL COMMISSION

EXTERNAL ELECTRODE FLUORESCENT LAMPS –

Part 2: Performance specifications

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

A PAS is a technical specification not fulfilling the requirements for a standard, but made available to the public.

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

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

Documents
Document Sharing Hub
Full document details: PD IEC/PAS 62816-2:2013

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.

Documents
Document Sharing Hub

Full document details: PD IEC/PAS 62816-2:2013