

TECHNICAL REPORT

RAPPORT TECHNIQUE

Glass bulb designation system for lamps

Système de désignation des ampoules de verre pour lampes



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INTERNATIONAL
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ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

ICS 29.140.20

ISBN 978-2-88910-998-2

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

GLASS BULB DESIGNATION SYSTEM FOR LAMPS

FOREWORD

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IEC TR 60887, which is a technical report, has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

This third edition cancels and replaces the second edition, published in 2003. It constitutes a technical revision. The reason for this new edition is the addition of a new bulb type designation and drawing.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
34A/1386/DTR	34A/1391/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

GLASS BULB DESIGNATION SYSTEM FOR LAMPS

1 Scope

This technical report describes a system of nomenclature that provides designations of the glass bulbs used as envelopes for electric lamps. The application of such designations is directed towards the descriptions of finished lamps.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1 bulb

outer envelope of glass or other transparent or translucent material enclosing the essential components of an electric lamp

2.2 approximate reference line

construction line transverse to the axis through the neck of the bulb defining the approximate position at which the rim of a cap, such as an Edison screw cap, would meet the neck of a bulb

NOTE The sole purpose of the approximate reference line is to aid the establishment of technical definitions of bulb shapes. This line appears in Figures 1 and 2 as a C-D line. No such line exists for pressed glass bulbs.

3 Basic components of a designation

3.1 General

Glass bulbs should be described by a designation consisting of a sequence of letter and number symbols without spaces, as follows:

- a) a letter symbol consisting of up to three letters which describes the bulb shape. The letter or letters of this symbol may in some cases be a basic shape letter symbol only and in other cases it may be a combination of a basic shape symbol and a modifier or modifiers. Basic shapes, modifiers and special shapes are defined in Clause 4;
- b) a number symbol which states the major diameter (nominal) of the bulb, in millimetres.

NOTE In some countries, bulb diameter has been stated in multiples of 1/8 of an inch. This practice should be discouraged and preference given to millimetre units.

3.2 Rectangular bulbs

Rectangular glass bulbs should be described by the letter symbol REC followed by two sets of numbers. The first number should designate the dimension of the shorter side; the second number should designate the dimension of the longer side. These numbers should be separated by the multiplication symbol (×). The dimensions should be in millimetres.