Luminaires

Part 2-20: Particular requirements —
Lighting chains (IEC 60598-2-20:2014)
National foreword

This British Standard is the UK implementation of EN 60598-2-20:2015. It is identical to IEC 60598-2-20:2014, incorporating corrigendum December 2016. It supersedes BS EN 60598-2-20:2010, which will be withdrawn on 30 December 2017.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by IEC corrigendum December 2016 is indicated in the text by [AS] [AC].

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/4, Luminaires.

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

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Foreword


The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-09-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-12-30

This document supersedes EN 60598-2-20:2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60598-2-20:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60598-2-21 NOTE Harmonized as EN 60598-2-21.
Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

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LUMINAIRE

PART 2-20: PARTICULAR REQUIREMENTS – LIGHTING CHAINS

20.1 Scope

This part of IEC 60598 specifies requirements for lighting chains fitted with series, parallel or a combination of series/parallel connected light sources for use either indoors or outdoors on supply voltages not exceeding 250 V.

For combinations where rope lights (also known as sealed lighting chains) are included, see IEC 60598-2-21.

Lighting chains provided with fixed or detachable attachments e.g. ornamental or decorative, are considered to be covered by this standard.

For lighting chains fitted with lampholders of the push-in type, the appropriate requirements of this standard applies.

NOTE 1 A Christmas tree lighting chain is an example of a lighting chain fitted with series or series/parallel connected lamps. A chain for illuminating ski-tracks or promenades is an example of a lighting chain fitted with parallel connected lamps.

For lighting chains with non-standardised lamps (e.g. lamps of the push-in type) the lamps are regarded as a part of the lighting chain and consequently included in the testing.

NOTE 2 For products where the lighting chain is permanently fixed to a frame or pre-lit Christmas tree the relevant clauses of IEC 60598-2-4 and/or IEC 60598-2-7 can also apply.

NOTE 3 In some countries the term "strings" is used instead of "chains".

NOTE 4 Candlestick luminaires are tested according to IEC 60598-2-4.

20.2 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 60227-5:2011, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 5: Flexible cables (cords)

IEC 60238, Edison screw lampholders

IEC 60245-4:2011, Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 4: Cords and flexible cables

IEC 60320 (all parts), Appliance couplers for household and similar general purposes

IEC 60529, Degrees of protection provided by enclosures (IP Code)

IEC 60598-1, Luminaires – Part 1: General requirements and tests