

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**LCD backlight unit –
Part 1-1: Generic specification**

**Écran LCD à rétro-éclairage –
Partie 1-1: Spécification générique**



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LCD BACKLIGHT UNIT –

Part 1-1: Generic specification

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International Standard IEC 62595-1-1 has been prepared by IEC technical committee 110: Electronic display devices.

The text of this standard is based on the following documents:

CDV	Report on voting
110/387/CDV	110/440/RVC

Full information on the voting for the approval of this standard 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.

A list of all the parts in the IEC 62595 series, under the general title *LCD backlight unit*, can be found on the IEC website.

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- withdrawn,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
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LCD BACKLIGHT UNIT –

Part 1-1: Generic specification

1 Scope

This part of IEC 62595 is a generic specification for backlight unit (BLU) for liquid crystal displays. It defines general procedures for quality assessment and gives general rules for the measuring methods of electrical and optical characteristics, rules for climatic and mechanical tests, and rules for endurance tests.

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 60027 (all parts), *Letter symbols to be used in electrical technology*

IEC 60410:1973, *Sampling plans and procedures for inspection by attributes*

IEC 60617 (all parts), *Graphical symbols for diagrams*

IEC 60747-1:2006, *Semiconductor devices – Part 1: General*

IEC 60747-10:1991, *Semiconductor devices – Part 10: Generic specification for discrete devices and integrated circuits*

IEC 61747-10-2, *Liquid crystal display devices – Part 10-2: Environmental, endurance and mechanical test methods – Environmental and endurance¹*

IEC 62595-1-2:2012, *LCD backlight unit – Part 1-2: Terminology and letter symbols*

IEC 62595-2, *LCD backlight unit – Part 2: Electro-optical measurement methods of LED backlight unit*

IECQ QC 001002-2:1998, *IEC Quality Assessment System for Electronic Components (IECQ System) – Rules of Procedure – Part 2: Documentation*

IECQ QC 001002-3:2005, *IEC Quality Assessment System for Electronic Components (IECQ System) – Rules of Procedure – Part 3: Approval procedures*

ISO 80000-1:2009, *Quantities and units – Part 1: General*

¹ To be published