

LCD Backlight Unit - Part 1-1: Generic specification (IEC 62595-1-1:2013)

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**LCD backlight unit -
Part 1-1: Generic specification
(IEC 62595-1-1:2013)**

Ecran LCD à rétroéclairage -
Partie 1-1 : Spécification générique
(CEI 62595-1-1:2013)

LCD-Hinterleuchtungseinheiten – Teil 1-1:
Allgemeine Anforderungen
(IEC 62595-1-1:2013)

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Foreword

The text of document 110/387/CDV, future edition 1 of IEC 62595-1-1, prepared by IEC/TC 110 "Electronic display devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62595-1-1:2013.

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) 2014-02-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-05-14

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The text of the International Standard IEC 62595-1-1:2013 was approved by CENELEC as a European Standard without any modification.

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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60027	all parts	Letter symbols to be used in electrical technology - Part 1: General	EN 60027	all parts
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60617	all parts	Graphical symbols for diagrams	-	-
IEC 60747-1 + corr. August	2006 2008	Semiconductor devices - Part 1: General	-	-
IEC 60747-10	1991	Semiconductor devices - Discrete 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 endurance	-	-
IEC 62595-1-2	2011	LCD backlight unit - Part 1-2: Terminology and letter symbols	EN 62595-1-2	2012
IEC 62595-2		LCD backlight unit - Part 2: Electro-optical measurement methods of LED backlight unit for liquid crystal displays	EN 62595-2	
ISO 80000-1	2009	Quantities and units - Part 1: General	EN ISO 80000-1	2013
IEC QC 001002-2	1998	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 2: Documentation	-	-
IEC QC 001002-3	2005	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 3: Approval procedures	-	-

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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