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INTERNATIONAL STANDARD



Display lighting unit – Part 2-2: Measuring methods of LED light bars used in LCD BLUs

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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DISPLAY LIGHTING UNIT –

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International Standard IEC 62595-2-2 has been prepared by IEC technical committee 110: Electronic display devices.

The text of this International Standard is based on the following documents:

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110/890/CDV	110/932A/RVC

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

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

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

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

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- withdrawn,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

A bilingual version of this publication may be issued at a later date.

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DISPLAY LIGHTING UNIT –

Part 2-2: Measuring methods of LED light bars used in LCD BLUs

1 Scope

This document specifies the standard measurement conditions and measuring methods for determining electrical and optical performances of LED light bars with white LEDs used in LCD backlight units.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62595-1-2, *Display lighting unit – Part 1-2: Terminology and letter symbols*

IEC 62595-2-1:2016, *Display lighting unit – Part 2-1: Electro-optical measuring methods of LED backlight unit*

ISO 11664-3, *Colorimetry – Part 3: CIE tristimulus values*

ISO/CIE 11664-5, *Colorimetry – Part 5: CIE 1976 $L^*u^*v^*$ colour space and u' , v' uniform chromaticity scale diagram*