



BSI Standards Publication

Display lighting unit

Part 1-4: Glass light guide plate

National foreword

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TECHNICAL REPORT



Display lighting unit – Part 1-4: Glass light guide plate

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms, definitions and abbreviated terms	6
3.1 Terms and definitions.....	6
3.2 Abbreviated terms.....	6
4 Overview	7
4.1 General.....	7
4.2 Light guide plate technologies and its typical materials	7
4.3 Advantages of and issues with GLGP	8
5 Optical characteristics	9
5.1 Factors affecting optical characteristics of GLGP	9
5.2 Optical absorption of the glass materials for LGP.....	9
5.3 Optical absorption and scattering loss caused by the dot pattern	11
5.4 Incident loss	11
5.5 Effect of the reflection tapes	12
5.6 Discussions for possible future standardization.....	12
5.6.1 Applicability of existing standards	12
5.6.2 Mechanical structure and interface	13
5.6.3 Hotspot influence caused by LED light source	13
5.6.4 Non uniformity around edge.....	13
5.6.5 Optical absorption of glass materials for LGP	13
6 Mechanical and environmental characteristics	13
6.1 General.....	13
6.2 Rigidity	14
6.3 Thermal expansion and heat resistance/noninflammability	15
6.4 Humidity absorption	17
6.5 Impact resistance.....	18
6.6 Discussions for possible future standardization.....	19
7 Additional functions and possible future standardization	19
7.1 General.....	19
7.2 Local dimming for HDR TV.....	19
7.3 Curved GLGP for curved LCD	20
7.4 Quantum dot coating and quantum dot coated film LCD	21
7.5 Frontlight	21
7.6 Transparent LCD	21
7.7 Combination with PDLC	22
Bibliography.....	23
Figure 1 – Structure of edge-lit BLU and LGP	7
Figure 2 – Light propagation in LGP.....	8
Figure 3 – Examples of internal transmittance spectra at 50 cm in optical path length.....	10
Figure 4 – Chromaticity gradient against the distance from incident edge	10
Figure 5 – Variation of the relative BLU luminance against the thickness of the GLGP.....	12
Figure 6 – Weight /thickness dependence of the rigidity of PMMA and glass for LGPs	15

Figure 7 – Schematics of the simulation setup for the deformation calculation of the LGP by pulling up one corner and fixing the other three corners	15
Figure 8 – Horizontal bowing of polymeric LGPs under elevated temperature	16
Figure 9 – Simulated temperature distribution of (a) GLGP and (b) PMMA LGP	17
Figure 10 – Simulated thermal deformation of (a) GLGP and (b) PMMA LGP due to LED lighting	17
Figure 11 – Increase in the horizontal length of LGP with temperature change for a 65" diagonal LGP	18
Figure 12 – Example of curved LCD using a curved GLGP.....	20
Figure 13 – Example of transparent LCD	21
Figure 14 – Example of transparent LCD with GLGP including PDLC.....	22
Table 1 – Comparison between polymers and glasses for LGP	8
Table 2 – Physical properties of commercial glass for LGP and PMMA	14
Table 3 – Comparison of thickness, weight, and calculated deformation between GLGP, PMMA LGP, and PMMA combined with steel plate	15
Table 4 – Comparison of GLGP and polymer LGP in confined structure under humid condition	18
Table 5 – Impact resistance with different machining	19

INTERNATIONAL ELECTROTECHNICAL COMMISSION

DISPLAY LIGHTING UNIT –**Part 1-4: Glass light guide plate****FOREWORD**

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IEC TR 62595-1-4, which is a Technical Report, has been prepared by IEC technical committee 110: Electronic displays.

The text of this Technical Report is based on the following documents:

Enquiry draft	Report on voting
110/1174/DTR	110/1200/RVDTR

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 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
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DISPLAY LIGHTING UNIT –

Part 1-4: Glass light guide plate

1 Scope

This part of IEC 62595, which is a Technical Report, provides general information for judging the necessity of future standardization of glass light guide plates for display lighting units, which include backlight units for transmissive displays such as LCDs, and frontlight units for reflective displays.

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 62595-1-2:2016, *Display lighting unit – Part 1-2: Terminology and letter symbols*

3 Terms, definitions and abbreviated terms

For the purposes of this document, the following terms and definitions given in IEC 62595-1-2 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 Terms and definitions

3.1.1

glass light guide plate

GLGP

light guide plate whose optically transparent medium is made of glass material

Note 1 to entry: See IEC 62595-1-2:2016, 3.3.1. A GLGP includes optical elements for light guide plates, such as diffusion patterns, in addition to a glass sheet for light guide plates.

3.2 Abbreviated terms

BLU	backlight unit
CTE	coefficient of thermal expansion
DLU	display lighting unit
FLU	front lighting unit
FPC	flexible printed circuits
GLGP	glass light guide plate
HDR	high dynamic range
LC	liquid crystal