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## BSI Standards Publication

### Flexible display devices

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Part 5-4: Measuring method of blur in flexible transparent displays

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The UK participation in its preparation was entrusted to Technical Committee EPL/47, Semiconductors.

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# TECHNICAL SPECIFICATION



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## Flexible display devices – Part 5-4: Measuring method of blur in flexible transparent displays

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### FLEXIBLE DISPLAY DEVICES –

#### Part 5-4: Measuring method of blur in flexible transparent displays

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC TS 62715-5-4, which is a technical specification, has been prepared by IEC technical committee 110: Electronic displays.

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The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
110/1055/DTS	110/1084/RVTDS

Full information on the voting for the approval of this technical specification 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 62715 series, published under the general title *Flexible display devices*, 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- withdrawn,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.

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## FLEXIBLE DISPLAY DEVICES –

### Part 5-4: Measuring method of blur in flexible transparent displays

#### 1 Scope

This part of IEC 62715 specifies the measuring conditions and measuring methods for determining the blur of objects when viewed through a flexible transparent display. This document mainly applies to flexible transparent display modules that have a constant radius curvature about a single axis. The display is measured in a static mechanical state.

#### 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 62715-1-1, *Flexible display devices – Part 1-1: Terminology and letter symbols*

IEC 62715-5-1, *Flexible display devices – Part 5-1: Measuring methods of optical performance*

#### 3 Terms, definitions and abbreviated terms

For the purposes of this part of IEC 62715, the terms and definitions in IEC 62715-1-1 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

###### **blur**

unclear or indistinct outline of objects when they are viewed through a flexible transparent display

###### 3.1.2

###### **through-screen properties**

image quality attributes when the intended information is behind the display panel and is viewed through it

###### 3.1.3

###### **pixel**

smallest element of a picture that can be distinguished from its neighbouring elements

##### 3.2 Abbreviated terms

DUT device under test

LMD light measuring device

PPI pixels per inch