PD IEC TR 62595-1-3:2019

BSI Standards Publication

Display lighting unit

Part 1-3: Lighting units with arbitrary shapes

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National foreword

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Display lighting unit –
Part 1-3: Lighting units with arbitrary shapes

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DISPLAY LIGHTING UNIT –

Part 1-3: Lighting units with arbitrary shapes

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IEC TR 62595-1-3, 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
110/1018/DTR	110/1064/RVDTR

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.

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INTRODUCTION

Recent developments in materials for flexible lighting sources (FLSs) with arbitrary shapes such as organic light emitting devices (OLEDs) have boosted their fabrication process as well as expanding their applications in various fields, for example electronic displays and wearable display devices. Since FLSs can emit light in a curved and deformed shape even under external stress, which is different from that of the devices with rigid substrates, these characteristics and performances require new evaluation and measurement methods. This document focuses on common issues of light emission from FLSs such as spatial uniformity of luminance and colour, and angular distribution of luminance and colour. This document delivers an archetype of a curved FLS's light emission and its measurement. The intent of this document is to provide guidance for the development of future measurement standards.

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