BS IEC 62341-6-7:2024

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Organic light emitting diode (OLED) display

Part 6-7: Measuring methods of optical characteristics
for display with under-screen feature

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The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio-visual equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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ORGANIC LIGHT EMITTING DIODE (OLED) DISPLAYS –

Part 6-7: Measuring methods of optical characteristics for display with under-screen feature

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INTRODUCTION

A display has originally been conceived to show content or images on the screen and been designed to be blocked on its back-plate, except for a transparent display. Along with advances in display technologies, various screen forms with the display are available, such as a notch type for the camera and sensors area, a pin-hole area, a teardrop shape, and a dual punch-hole for the front camera.

The display has changed and consistently improved its pixel structures to make it easier for a user to use multimedia without physical interference, for example, putting cameras and sensors under the display screen to achieve the functions of finger touch, taking photos, 3D sensing and so on; these technologies can be called under-screen features.

This document introduces mainly measuring conditions and measuring methods for the impact of these developing under-screen features.

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