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PHOLEDs

TOLEDs

Overview

Transparent OLEDs

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TRANSPARENT OLEDs

For applications as diverse as architectural windows for home entertainment, retail advertising and illumination, to navigation/warning displays on windshields and heads-up helmet faceshields, TOLED™ technology can pave the way.

- Transparency: Capable of 70% to 85% transparency when turned off, TOLED pixels are nearly as clear as the glass or plastic substrate on which they are built. When used in an active-matrix OLED configuration, the effective transmission of the TOLED may, however, be somewhat reduced depending on the display resolution of the display and TFT design.
- **Bi-directional emission:** Typically, the light generated by the TOLED emits from both surfaces. <u>View a video.</u> Enhancement films and other optical treatments may be used to direct more of the light in one direction than the other.
- **Performance:** TOLEDs also offer excellent opto-electronic performance properties, i.e., spectral color emission, luminous efficiency and lifetime that compare well to those for bottom-emission OLEDs.

Continued product development may also enable a plethora of new applications in industry, transportation, medicine — even virtual reality. Tap into your own imagination to think where transparent displays or lighting can create value. Contact us to explore your ideas.

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