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	Passive Matrix-Organic Light-emitting Display (PM-OLED); 8.2 Active-Matrix - Organic Light-Emitting Display (AM-OLED); 8.3 Full-Color OLED Displays; 9. Ongoing Challenges; 9.1 Flexible OLED; 9.2 Organic Light-Emitting Transistors 9.3 OLED for Lighting Applications10. OLED Market Trends and Outlook; 10.1 OLED Market Trends; 10.2 Outlook
Sommario/riassunto	Organic electroluminescence (OEL) is the phenomenon of electrically-driven emission of light from organic materials; including both fluorescent and phosphorescent organic solids. The organic light-emitting device (OLED), which exploits OEL emission from organic semiconducting thin films (with thicknesses of less than a few hundred nanometers), sandwiched between electrodes, has attracted keen interest in its application to flat-panel displays, due to its high luminous efficiency, low driving voltage, tunable colors as well as a convenient device-structure design and low fabrication costs when