

1. Record Nr.	UNINA9910819532403321
Autore	Koden Mitsuhiro
Titolo	OLED display and lighting / / Mitsuhiro Koden
Pubbl/distr/stampa	Chichester, UK ; ; Hoboken, NJ : , : John Wiley & Sons, , 2016 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2017]
ISBN	1-119-04048-5 1-119-04050-7 1-119-04047-7
Descrizione fisica	1 online resource (361 pages) : illustrations (some color), photographs
Collana	Wiley - IEEE Wiley series in display technology
Disciplina	621.3815/22
Soggetti	Light emitting diodes Organic semiconductors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	History of OLED -- Fundamentals of OLED -- Light emission mechanism -- OLED materials -- OLED device -- OLED fabrication process -- Performances of OLED -- OLED display -- OLED lighting -- Flexible OLED -- New technologies.
Sommario/riassunto	Explains the fundamentals and practical applications of flat and flexible OLEDs for displays and lighting Organic light-emitting diodes (OLEDs) have emerged as the leading technology for the new display and lighting market. OLEDs are solid-state devices composed of thin films of organic molecules that create light with the application of electricity. OLEDs can provide brighter, crisper displays on electronic devices and use less power than conventional light-emitting diodes (LEDs) or liquid crystal displays (LCDs) used today. This book covers both the fundamentals and practical applications of flat and flexible OLEDs. Key features: . Covers all of the aspects necessary to the design and manufacturing of OLED displays and lighting.. Explains the fundamental basic technologies and also related technologies which might contribute to the next innovation in the industry.. Provides several indications for future innovation in the OLED industry.. Includes

coverage of OLED vacuum deposition type and solution type materials. The book is essential reading for early career engineers developing OLED devices and OLED related technologies in industrial companies, such as OLED device fabrication companies.
