

What is Organic LED?

Organic LED, the commonly called OLED is a solid state semiconductor light emitting diode having a thickness of 100 to 500 nanometers. It is also called as **Organic Electro Luminescent Device (OELD)** These devices are currently used in small screen displays such as mobile screen, digital camera etc. The OLED display is much thinner than LCD and consumes less power. Research in the field of OLED is progressing and many manufacturers are trying to make OLED displays in TV, computer monitor etc

Organic LED is formed of aggregates of Amorphous and Crystalline molecules without definite arrangement. The OLED has many thin layers of organic material which emit light through the process of Electrophosphoresence. The organic material uses substances that can emit red, green blue and white lights. When a potential is applied to the cathode and anode, OLED creates light which appears as the display.

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