

What is an LED?

A Light Emitting Diode is a semi-conductive material that produces light via Electroluminescence. This is an optical and electrical phenomenon in which light is emitted from a material when an electrical current or strong electrical field is passed through it.

The development of the high-power white-light LED for use in luminaires has led to the rapid replacement of incandescent and fluorescent lighting. The efficiency and light output of LEDs has risen exponentially, with a doubling occurring approximately every 36 months since the 1960s.