

LEDS - GREEN DEVICES OF LIGHTING TECHNOLOGY

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LEOs (light emitting diodes) had been the real heroes in the electronics world, but now they are emerging to take a leading role in the lighting world as well. Lighting systems based on LEDs are extremely energy efficient. They are indeed the green devices of lighting technology. They not only consume less electricity but also have very long life. This is the reason why LEDs find potential applications in a variety of display devices. Early LEDs were often used as indicator lamps, replacing small incandescent bulbs. Recent developments have produced high-output white light LEDs suitable for room and outdoor area lighting. LEDs have led to new displays and sensors, while their high switching rates are useful in advanced communications technology. Infrared (IR) LEDs find use in remote controls of TVs and air conditioners. Coloured LEDs are used in advertisement and sign displays. They are also used to form images on a gigantic TV screens. LED rope lights and strips are a common sight these days. They are used for a variety of purposes including wedding decorations, concerts, etc.
