

The Industrial Environment (Lighting Guide)

Movement of electrons is what makes LED bulbs glow

LED's use semi conductor diodes which convert electricity into photons

LED's are an energy efficient and environment-friendly light source

LEDs do not have filament or mercury and are made out of plastic

LEDs last 60 times longer than traditional incandescent bulbs

LEDs can be used to generate lights of infrared, visible and close-to ultraviolet ray wavelength

LED Lighting vs Conventional Lighting

Incandescent bulbs have tungsten filaments inside

When electricity passes through filament, tungsten becomes hot and starts to emit light

Filament can be dangerous and potentially burn

In fluorescent light, electric arc is used to excite the mercury atoms. Mercury atoms emit UV radiation

Radiation strikes the phosphor coated inner surface of the tube and is converted into visible light

Mercury can result in environmental damage when exposed

MY LED LIGHTING GUIDE
YOUR GUIDE TO ENERGY EFFICIENT LED LIGHTING

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