

## Essay

### Things to know about LED lighting

#### Introduction

Imagine a home that is brightly lit all the time, yet consumes virtually no electricity and the people who live there rarely need to replace a light bulb. This may sound like science fiction, but more and more people are replacing their light bulbs with LEDs (Light Emitting Diodes) and benefitting from this remarkable technology. LEDs have many advantages over traditional incandescent light bulbs, including increased energy efficiency, longer lifespans, and improved safety.

#### Body Paragraph 1

LEDs are an efficient lighting solution that uses far less energy than incandescent light bulbs. In fact, compared to traditional incandescent light bulbs, LED lighting consumes up to 90% less power—making it one of the most efficient forms of lighting. As a result, an 8-watt LED can generate as much light as a 60-watt incandescent light bulb. This drastic increase in energy efficiency results in a drastic decrease in the size of electric bills.

#### Body Paragraph 2

Compared to other lights, LED lighting is safer—both for the home and the environment. LEDs generate virtually no heat and are safe to touch even after being left on for hours. This reduces the risk of burns and accidental fires. LEDs are also non-toxic and, unlike fluorescent lighting, do not contain mercury—meaning they are eco-friendly and do not pose a danger to the environment. LED lights also come in a wide-variety of fun colors!

#### Body Paragraph 3

The final advantage to LED lighting is that it lasts far longer than other types of light bulbs. An incandescent bulb has a 3,000-hour lifespan and compact fluorescent bulbs can last 15,000 hours; but LEDs can burn for 40,000 hours!

#### Conclusion

The use of LED lighting comes with many benefits. This form of lighting is vastly more energy efficient than traditional incandescent light bulbs, and lasts far longer. LEDs are also safer, both for the home and the planet. So, the next time a light bulb burns out consider replacing it with an LED.