



## Ten Fun Facts about LED Lights *That You Probably Didn't Know*

Energy efficient lighting is becoming the “norm” in America. Not only are businesses implementing new efficient lighting technology, but these modern bulbs have moved into the homes of millions of Americans. LED bulbs are more energy efficient than other types of bulbs, such as incandescent bulbs. We’re hoping to expand that efficiency to the street lights in Upper Dublin Township. Take a look at these cool fun facts about LED lights:

1. The LED was invented by Nick Holonyak Jr. in 1963, while he was working for General Electric.
2. LED stands for *light-emitting diodes*, which LED bulbs use to produce light.
3. An incandescent lamp converts about 9-10% of the energy fed to it into light, whereas LEDs convert nearly 100% of the energy they consume as light.
4. According to the U.S. Department of Energy, the widespread installation of LED's can save 348 TWH of energy by the year 2027. That's enough energy to power 44 large electric power plants, saving more than \$30 billion dollars.
5. In 2012, 49 million LED bulbs were installed across America, accounting for energy savings of about \$675 million.
6. LEDs contain no mercury at all — and over 95% of an LED is recyclable.
7. Due to their compact size, stress-free upkeep, resistance to fracture and single-direction focus, LED's have the ability to be used in a variety of different products such as street lights, traffic signals and televisions.
8. LED's have a very long lifespan. In fact, if the same bulb was turned on and never turned off, it would take three years to burn out.
9. If an LED bulb is installed in a newborn baby's room today, then that bulb won't need to be changed for over 20 years, meaning that one bulb will last the child until he or she goes to college.
10. The celebrated New Year's Eve ball that drops in Times Square each year is made up of 32,256 individual LED lights.