LED stands for Light Emitting Diode. Similar to a standard (incandescent) light bulb, which passes electricity through a burning filament, the LED creates light through a semi-conductor as current passes through. Unlike the standard bulb however, the LED itself can create the desired light color by changing the semi-conductor and current.

The LED is a much more efficient source of light versus the incandescent bulb which wastes 90% of its energy on heat. For this reason the LED costs less to operate and are easier to set up on circuits without blowing fuses. LED’s also last longer with C-9’s rated for 50,000 hrs and minis 200,000 hrs.

While there have been many advances in LED color technology, the price continues to be their biggest drawback to consumers. Quality LED’s can cost up to 10 times as much as comparable incandescent lights. But as LED’s fill up more shelf space in large stores, expect their prices to drop.

LED lights are also popular due to their low impact on the environment. Not only is the lower power consumption a great benefit, but since they last up to 15 times longer than incandescent light sets, there is much less need for disposal. The plastic outer shell of the LED is also more impact resistant than the glass of traditional bulbs and less prone to breakage.

There are many types of LED’s available on the market today and Klamfth. Inc focuses on two: the retrofit C9 and 5mm wide angle mini. Why? The answer is simple, QUALITY. Retrofit C9’s fit into our program of custom fitting strands to roof lines for a clean, professional look. The cheaper fused sets simply do not provide this quality look. The 5mm minis provide the brightest light of all minis due to the refractive shape of the bulb. With brighter light and less power consumption than its counterparts, it is easy to see why the 5mm wide angle is the mini of choice.