

## **LED LIGHTING**

LED is becoming a popular choice for lights. Well designed LED lighting fixtures are becoming increasingly more available in the lighting market. Below are just a few of the reasons to consider LED for your lighting needs.



**Significantly longer useful life** – It should last for years to come, some LED fixtures have an expected life of 30,000 to 50,000hrs on average. That's to say if you use your light for 5 hours every night, every day of the year, it would take 16 years to wear out an LED light with a 30,000 hour life expectancy.

**Energy Efficiency** – LED's have been tested to be up to 5 times more energy efficient than incandescent bulbs.

**No harsh chemicals or UV rays** – LED doesn't contain mercury like a common CFL bulb, it is environmentally friendly. It doesn't emit UV rays like other bulbs. UV rays are known to deteriorate, degrade, or fade materials.

**No heat, no infrared rays** – LED does not emit the same heat as other more common lights, they are safe to use in areas where another bulb may damage material too close to it. You can install an LED light under your cabinets, without the concern of overheating and distorting the cabinet finish.



**Performs well in extreme cold weather** – Fluorescent bulbs have a tendency to be harder to illuminate in cold weather. LED turns on instantly even in harsh conditions.

**Perform well in a tight space** – One popular LED lighting product right now is LED tape. It has adhesive on the back of the product, it can be mounted under a cabinet, to a tight ledge, or moldings very easily. The lower profile allows you to hide the fixture to add a more dramatic lighting effect.

Other important things about LED lights are following:

**It is directional lighting source** - Performs better in situations like recessed cans, reading lamps, under cabinet lighting, and cove lighting, however, the lighting industry is trying to create LED fixtures to adapt to all other situations.

**It can produce millions of colors** – It doesn't require color filter. A digital device for LED lighting systems can be calibrated to millions of colors or the right quality of white color for your lighting needs.