Typical L.E.D. Terms

What are lumens?
Light that is emitted from the light source is measured in lumens. The higher the number, the brighter the source will be.

What is Kelvin?
The light appearance value on the light facts label indicates the hue and temperature of the color emitted within the light spectrum ranging from 2700 to 6500 Kelvin.

“Warm” colors have lower temperatures (2700-3500K). Warm/Soft LED’s create an inviting, comfortable, and relaxing atmosphere and highlight gold and red tones to add a peaceful aura to any space.

“Cool” colors have higher Kelvin temperatures (3600-5500K). Cool/Daylight LED’s create a bright, clean, and lively mood and inspire active areas in your home with intensively vibrant streams of light.

What are Watts?
Watts is a measurement of energy that is required to illuminate the light source. The lower the wattage, the less energy used.

What is color Rendering Index (CRI)?
Color reproduction is an important characteristic of any type of lighting, including LED lighting. Color reproduction is typically measured using the Color Rendering
Index (CRI) CRI is measured on a scale up to 100. The higher the CRI, the more accurately you will see the actual colors of objects that the bulb illuminates (i.e. reds will look red).

Daylight has the highest CRI(-100), with a 2700K incandescent bulb being relatively close, and fluorescent lighting being much less accurate (CRI 70-85). Certain types of specialized lighting, such as sodium lights (street lights with yellow orange colored light) exhibit a relatively low CRI (as low as about CRI 20-30). The Cree TW Series LED bulb has a high CRI of 93, unmatched for LED bulbs, making colors look the way they were intended.