

Quality Advocates Program & Lighting Facts™ Label

LED (light-emitting diode) lamps consume far less energy than other lamp options, providing outstanding energy cost savings. LEDs also provide long-term maintenance cost savings, with fewer lamp changeouts, easy disposal, have no filament or tube to break, and contain no mercury or halogen gas.

Grainger is partnered with the Department of Energy through the Solid-State Lighting Quality Advocates program. As a distributor partner, Grainger is urging our LED manufacturers to pledge, as a foundation for product quality, to

Light Output/Lumens

Measures light output. The higher the number, the more light is emitted.

Reported as "Total Integrated Flux (Lumens)" on LM-79 test report.

Watts

Measures the energy required to light the product. The lower the wattage, the less energy used.

Reported as "Input Power (Watts)" on LM-79 report.

Lumens per Watt/Efficacy

Measures efficiency. The higher the number, the more efficient the product.

Reported as "Efficacy" on LM-79 test report.

IESNA LM-79-2008

Industry standardized test procedure that measures performance qualities of LED luminaires and integral lamps. It allows for a true comparison of luminaires regardless of the light source.

report accurate and consistent product performance results. This SSL Quality Advocates program requires that IESNA LM-79-2008 test data be visibly published. LM-79 is the new industry standard for photometric performance measuring the following attributes: Light Output (Lumens), Watts, Lumens per Watt (Efficacy), Color Accuracy (CRI), and Correlated Color Temperature (CCT).

Grainger has "taken the pledge" in that all new LED lamps, ballasts, and fixture solutions will

include the new SSL Lighting Facts label. This label provides a snapshot of product performance data that will assist customers in making a buying decision and protects against any exaggerated claims.

This Lighting Facts label will only appear on LED lighting products including self-contained replacement lamps and fixture products that have been tested in accordance with the LM-79 standard. This label does not apply to packaged LED devices or LED indicator products such as flashlights, nightlights, or task lighting.

Grainger believes that delivering a consistent message to our customers that we sell quality LED products which meet customer expectations is essential to building confidence in the LED products we carry. For more information on the SSL Quality Advocates pledge, see www.lighting.facts.com.

Color Rendering Index (CRI)

Measures color accuracy.

Color rendition is the effect of the lamp's light spectrum on the color appearance of objects.

Correlated Color Temperature (CCT)

Measures light color.

"Cool" colors have higher Kelvin temperatures (3600–5500 K); "warm" colors have lower color temperatures (2700–3500 K). Color temperatures higher than 6500 are outside of the defined region for white light, but may be appropriate for outdoor applications.

