

Light Emitting Diode (LED) Product Evaluation Checklist

The following checklist is meant to evaluate the performance of LED products. By using this checklist, LED products can be evaluated for consistent quality, reliable efficiency and performance, expected performance and product life, and overall lifetime energy savings. Emerald PUD may provide energy efficiency incentives to products meeting the criteria described below.

Commercial & Industrial Interior/Exterior Fixtures

- | YES | NO | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Listed as ENERGY STAR® Qualified Commercial LED Lighting Product
If YES, product is preliminary approved pending confirmation by EPUD Commercial Energy Services. If NO, fill in testing report numbers below and complete check list. Specification sheets may be required. |
| <input type="checkbox"/> | <input type="checkbox"/> | Photometric (IES LM-79-08) test report from approved independent testing lab. Enter test number here: _____. |
| <input type="checkbox"/> | <input type="checkbox"/> | Lumen maintenance (IES LM-80-08) test report from LED manufacturer or approved independent testing lab. |
| <input type="checkbox"/> | <input type="checkbox"/> | Color Rendering Index (CRI) of greater than 70: _____. |
| <input type="checkbox"/> | <input type="checkbox"/> | Luminaire Efficacy (lumens per Watt) of greater than 50: _____. |
| <input type="checkbox"/> | <input type="checkbox"/> | Lumen Maintenance (%) of greater than 70% at 50,000 hrs: _____. |
| <input type="checkbox"/> | <input type="checkbox"/> | Power Factor (%) of greater than 70%: _____. |
| <input type="checkbox"/> | <input type="checkbox"/> | Off State Power Requirement: Fixture shall not draw power in the off state; exception for integral controls – less than 0.5 Watts in the off state. |
| <input type="checkbox"/> | <input type="checkbox"/> | UL Listing |
| <input type="checkbox"/> | <input type="checkbox"/> | Product Warranty of not less than three years. |

