

Energy Efficient Office Lighting with LED T8 Lamps

Background

- On national average, lighting is the largest commercial building operation cost.
- For Pacific Northwest, lighting is the second largest commercial building operation cost, due to lower energy rates comparing to national rate.
- 65% commercial lighting uses troffer.
- Most popular fluorescent tube in use is 4-ft linear tube at 32W.



Energy Efficient Lighting Considerations

- Aleddra 4-ft **LED T8** tube consumes 18W, a **43% energy saving** to fluorescent T8 tube.
- Maintenance saving: A high quality LED T8 is rated at 50,000 hours, requiring less maintenance and replacement frequency than a standard fluorescent tube.
- Labor saving: the Aleddra **Double-ended** LED T8 will save 50-70% of installation time and labor cost, compared to the installation of single-ended LED T8.
- Installation safety: A **Double Safety Switch** LED T8 provides protection to installer from electric shock.
- UL standard: Aleddra meets the new **UL1598C** safety standard for LED retrofit lamps. This mandatory standard will take effect in February, 2013. To prevent the uncertainty in the future, use only UL1598C classified LED T8 lamps.
- Utility rebates: Use only the LED lamps approved by the **Lighting Design Lab**, Seattle, in order to receive rebates from your Pacific Northwest utility companies, including Seattle Light, Puget Sound Energy, Snohomish PUD, Tacoma Power.
- Federal Incentive: federal government provides tax incentive up to 60¢ per square foot for energy efficient lighting project that saves more than 20% of energy consumption. However, the project must be completed by **12/31/2013** to be qualified for the incentive.
- Incorporate occupancy sensors with LED lamps to increase energy saving and utility rebate.
- Low-cost financing is available from either your local utility companies or 3rd party financial companies, thus affording you cost effective solutions for implementing the energy efficient lighting project.

Aleddra Advantage

- **Aleddra LED Lighting**, headquartered in Renton, is a market leader in LED retrofit market.
- Aleddra warehouse is stocked locally and it can respond quickly with your need in Puget Sound area.
- It offers the *only* UL1598C classified double-ended LED T8 lamp for fluorescent tube retrofit.
- Its patented Double Safety Switch design protect installer from electric shock.
- Its 4-ft LED T8 is on LDL qualified LED product list for utility rebate.
- Its LED T8 comes with 5-year warranty and is rated up to 50,000 hours.

Contact us at (425) 430-4555 ext 233 or sales@aleddra.com, and we will help your company to achieve the best ROI (return on investment) on your energy efficient lighting project.

