

## Top 10 Considerations for Energy-Efficient Lighting Implementation

The following considerations are drawn from successful energy-efficient lighting projects using LED T8 lamps to help facility managers and lighting contractors achieve a better ROI (return on investment) for their own projects:

- 1. Always use **UL 1598C** classified LED T8 retrofit lamps, as it becomes mandatory **February 2013** and supersedes UL 1598B for LED retrofit kits.
- 2. Use the **18W** 4-ft LED T8, which saves 18% more energy than the 22W T8.
- 3. When retrofitting existing fixtures, use an LED T8 that can support shunted tombstones (lamp holders), as an estimated 70% of existing fixtures in the U.S. use shunted tombstones. The Aledra **EasiRetrofit** LED T8 bypasses the tombstone question.
- 4. Remember that the use of the single-ended LED T8 for retrofitting an existing fixture requires extra wiring and possibly the installation of new tombstones, thus significantly increasing labor costs and extending the payback period.
- 5. Take advantage of the Aledra **EasiRetrofit** LED T8 to save 50-70% on installation time and labor costs.
- 6. Verify whether the LED T8 tubes are on utility's qualified LED product list for rebate.
- 7. Local utility companies will consider LED T8 lamps under a custom rebate program. Check with your utility and fill out all necessary paperwork. If you need help, your local utility is more than happy to assist you.
- 8. Apply for the Federal EPA act incentive (60 cents/square-foot) before it expires on **12/31/2013**.
- 9. Verify whether the new fixture is UL/ETL rated for the LED tube, because UL/ETL certification is needed for new LED tube fixtures. Using these fixtures insures installers' safety and peace of mind for building owners.
- 10. Use occupancy sensors (unlike HID lighting, LED lighting does not require "warm-up time").

Aledra **EasiRetrofit** LED T8 tube with the DSS (Double Safety Switch) is ideal for retrofitting existing fixtures. It is 1598C classified and supports both shunted and non-shunted tombstones. For new construction and complete fixture upgrades, Aledra also offers cost-effective single-ended LED tubes that can go into any fixture UL/ETL certified for LED tubes. The specifications of Aledra LED T8 are available [here](#).

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