

## Lighting Design Lab T8 & T5 Fluorescent Lamp Electronic Ballast Specifications

Seattle WA 98122.2360

Manufacturers must meet all of the following. All evaluations will be based upon manufacturer published data. Utilities can require independent verification of performance data for program participation.

t. 206.325.9711   f. 206.329.9532

1. Electronic ballasts covered by this specification shall meet ANSI C82.11-1993 (High-Frequency Fluorescent Lamp Ballasts).
2. All ballasts shall be Underwriters Laboratory (UL 935) listed, Class P, Type1 Outdoor, CSA Certified where applicable.
3. The manufacturer shall provide written warranty against defects in material or workmanship, including replacement, for five years from date of manufacture.
4. Ballast shall have a Class A sound rating.
5. Ballast shall be a high frequency electronic type and operate lamps at a frequency above 42kHz to avoid interference with Infrared devices.
6. Ballast shall comply with FCC Part 18 Non-Consumer Equipment, Class A for EMI (Conducted) and (Radiated).
7. Ballast shall not contain any PCB's (Polychlorinated Biphenyl).
8. Ballasts for T5 and T5HO lamps shall be "Program Start" with end-of-life detection.
9. The power factor (PF) for all ballasts shall be greater than 95%.
10. Total harmonic distortion (THD) of the input current shall not exceed 10% of the fundamental 60 Hz current for low and normal light output ballasts. 20% of the fundamental 60 Hz current for high light output ballasts (ballast factor greater than 1.0).

800.354.3864

[www.lightingdesignlab.com](http://www.lightingdesignlab.com)

### Approvals:

Product submittals must include PF (item 9), THD (item 10) and system watts for the specified system.

Updated January 2003

