







2015 Linear LED (TLED) and LED Retrofit Kit Products Policy Clarification

Clarification of linear LED lamps (TLED), LED tube solutions and LED retrofit kits.
 All projects that are exploring LED tube retrofit options are recommended to mock-up several solutions at the project site in order to attain the optimal design for customer approval.
 All TLED solutions must meet program criteria to be eligible for Energy Efficiency program incentives.
 Greater incentives may be available for comprehensive lighting and controls redesign.

Description	Image	Wiring Descriptor	DLC Technical Category	Supporting EE Program	Benefits	Challenges
Existing bi-pin sockets, integral LED driver, powered by existing FL ballast		Wired to existing FL ballast	#36, #37	Upstream	Immediate kWh savings Licensed electrician not required for install	Light output level vs. FLT8 Retains existing fixture and ballast Incompatibility with some FL ballasts "Snap back" to FL T8 possible Incompatibility with dimming controls
Existing bi-pin sockets, integral LED driver, wired directly to line voltage (single or double-end)		Wired to direct line voltage	#36, #37	Reviewed case-by-case via Downstream, Custom application	Immediate kWh savings	Light output level vs. FLT8 Retains existing fixture Potential risk if FL T8 installed (wired to line voltage) Incompatibility with dimming controls
LED tubes or light bars wired to separate LED driver		Wired to LED driver	#36, #37	Downstream Prescriptive, codes 81 and 81D	Immediate kWh savings Thermal management issues reduced No "snap back" to FL (T8) tubes	Light output levels Retains existing fixture Incompatibility with controls
LED Troffer Retrofit Kit - Modules wired to driver, with various lens and control options available		Wired to LED driver	#31, #32, #33	Downstream Prescriptive, code 88A	Highest incentives available Immediate kWh savings Thermal management issues removed Controls compatible Improved optical performance	Installed cost Incompatibility with existing fixture layout