

## Debunking LED Tube Myths

# MYTH versus REALITY

**MYTH:** LED TUBES CAN BE EASILY INSTALLED INTO AN EXISTING FLUORESCENT FIXTURE.

**REALITY:**



There are at least three different types of LED tubes (as defined by UL) with different wiring configurations and different ballast/driver/voltage requirements. In addition, many tubes require different sockets than those currently in your fixture. A mix-up can lead to expensive failures.

**MYTH:** LED TUBES PROVIDE THE SAME OPERATING LIFE AS INTEGRATED LED KITS.

**REALITY:**



POPULAR LED TUBE X 2

**25%**

LIGHT LOSS IN 1ST 4 YEARS



LBK 4FT 2 KIT

**5%**

LIGHT LOSS IN 1ST 4 YEARS

LED tubes confine heat-generating components inside a small plastic tube, which shortens life and reduces light output over time. In fact, an LED tube will typically lose light output at 5x the rate of integrated light bar kits over a 4yr period and could fail in about the same time as fluorescent tubes are today.

**MYTH:** LED TUBES ARE SAFE TO SWITCH OUT.

**REALITY:**



Fluorescent sockets were made for fluorescent lamps, not LED tubes! Not all existing fixture sockets will work with LED tubes, requiring replacement and rewiring that can void UL and most warranties. An LED tube installed incorrectly in a fluorescent socket can cause electrical arcing and fires.

**MYTH:** LED TUBES ARE LESS EXPENSIVE THAN RETROFITTING WITH AN INTEGRATED LED KIT.

**REALITY:**



**3X MAINTENANCE COST IN FIXTURE LIFETIME**

LED tubes may cost less up front, but the reality is there are hidden costs. Installation time and labor can be higher, and shorter life means increased maintenance that can interrupt the flow of business.

**MYTH:** LED TUBES OFFER THE SAME REBATES AS RELIGHT KITS OR FIXTURES.

**REALITY:**



**Less than 50%**

REBATE DOLLARS REALIZED

Not even close! Utilities can offer up to 2x more in rebates for more efficient, longer lasting integrated LED retrofit kits or fixtures than for tubes. Plus, an integrated kit can qualify for measurable tax benefits that make lifetime cost lower than tubes.

“CHOOSE BASED ON FACTS NOT MYTHS”