



## Featuring: Samuels & Associates – Van Ness

JLC-Tech's T-BAR ECO™ LED lighting solution helps Samuels and Associates in their quest to improve lighting while reducing energy costs at their Van Ness building.

T-BAR ECO™

### Background

Located in Boston's Fenway area, Samuels & Associates turn spaces into striking new developments, intelligent design into fast-paced innovation, bricks and mortar into memorable experiences, architectural visions into thriving communities. The shipping and receiving area of the building had inconsistent illuminance levels causing a concern for safety. In addition, this area operates on a 24-hour basis and there was a need to reduce energy consumption.

### Project Goals

For this project, JLC-Tech presented their T-BAR ECO product as the solution that would achieve Samuel's lighting project goals to:

1. Distribute even illuminance throughout the shipping and receiving area.
2. Reduce energy consumption at minimum 30%.
3. Utilize local energy efficiency rebates program for faster payback.
4. Achieve an investment payback less than 2 years.

*The T-BAR ECO replaces the cross tees in a suspended ceiling, offering a 50% reduction in installation time with its tool-free "snap-in" mounting system.*



### Project Scope

	Before Lighting Retrofit	After Lighting Retrofit
Fixtures	1x4' 32-watt single lamp troffer	4' T-BAR ECO 17.9 watts
Quantity	60	58
Total System Watts	1856	1038
Average Foot Candles	5	8.5
Average Operating Life	10,000 hours	50,000 hours

### Project Results

Item	Net Change with Retrofit
Installation time for new fixtures	50% less than a traditional troffer
Energy Consumption	46% reduction
Utility energy efficiency rebate	50% reduction in cost of fixtures
Projected payback	24 months

