

# New T8 lighting **IMPROVED LIGHTING QUALITY** and saved money for Wallingford Dry Cleaners

## CASE STUDY: T12 TO T8 RETROFIT



Replacing a hodge-podge of ancient and differently colored T12 fluorescent tubes with state-of-the-art T8 fluorescent lighting made a dramatic difference for Wallingford Day Cleaners — and Seattle City Light helped pay for the project.

The owner of Wallingford Dry Cleaners thought he picked a prime location for his business on the corner of 45th and Wallingford, but he wasn't seeing the number of customers he expected. Last year, a lighting contractor suggested that dingy lighting might be part of the problem.

"I was skeptical," recalled Mr. Kim. "My lighting seemed fine." So he called Seattle City Light for a second opinion. The energy analyst who called on Mr. Kim agreed that his old T12 lighting gave everything a pinkish or greenish cast, and urged a lighting upgrade.

After the old lights and ballasts were swapped out, the lighting improvement was dramatic.

**"I was so surprised at how much brighter and cleaner everything looked. My business has improved, and I think my new lighting is one reason why."**

Mr. Kim, Owner  
Wallingford Dry Cleaners



Learn more about Seattle City Light cash rebates.  
Call (206) 684-3800 or visit [www.seattle.gov/light/conserve](http://www.seattle.gov/light/conserve).

## Energy savings with help from Seattle City Light rebates

In addition to improved lighting, Mr. Kim will save about \$250 in energy costs every year. And the rebate from Seattle City Light offset 60% of the cost of the project, so his initial out-of-pocket expense was minimized. The total replacement cost was \$1,364 with a rebate of \$825 from City Light.

### Every year Wallingford Dry Cleaners will save about \$250 in energy costs alone

Project	Replaced obsolete T12 fluorescent lighting with T8 lighting and new electronic ballasts
Estimated annual energy savings	3,800 kilowatt-hours (kWh)
Estimated annual cost savings (\$0.066 per kWh)	\$250

## Find out how you can save energy and money

Like Wallingford Dry Cleaners, you can take advantage of Seattle City Light rebates to improve the lighting quality throughout your business and lower your energy costs. Call us at (206) 684-3800 to schedule a free lighting assessment. We'll let you know how much energy and money you could save.

## T8 fluorescent lighting has many advantages

- **Energy efficiency.** T8 fluorescent lighting uses as much as 35% less energy than obsolete T12 lighting.
- **Less flickering.** Because electronic ballasts operate at higher frequency than magnetic ballasts in T12 lighting, they flicker less. Minimizing flickering reduces eyestrain, improving employee comfort and productivity.
- **Quieter operation.** T8 lighting operates more quietly than T12 systems, eliminating the annoying hum associated with old fluorescent lighting.

## Conservation is our most cost-effective energy resource

Seattle City Light offers incentives such as technical assistance and rebates to business and institutional customers to promote adoption of energy-saving technologies. We offer rebates because conservation is a more cost-effective way to meet our electricity needs than alternatives such as building new power plants.

## Reduce your carbon footprint

The City of Seattle is a national leader in protecting the environment. Seattle residents and businesses are joining in efforts to help reduce the negative impacts of climate change.



Seattle City Light is a publicly owned utility dedicated to exceeding our customers' expectations in producing and delivering low cost, reliable power in an environmentally responsible and safe way. We are committed to delivering the best customer service experience of any utility in the nation.

To qualify for a rebate, Seattle City Light must approve energy conservation projects prior to purchase or installation of equipment or materials. This program may change without notice and subject to the availability of funds.

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