

Bright Ideas For Your Business



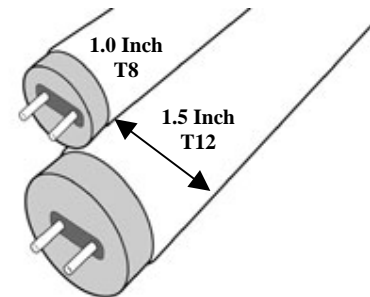
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What's new in lighting

Times have changed since fluorescent lights were first introduced, and today's fluorescents are of a much higher quality compared to just five years ago. High-Performance T8 (HP T8) lights with electronic ballasts have been available for the past five years and they are superior to old T12 lights in many ways, providing quieter, more efficient lighting. In fact, there are many differences between the systems, which have allowed HP T8 lamps to become the new industry standard.

Size matters

While all fluorescent tubes, properly called lamps, may look the same from a distance, a close inspection shows that T8 lamps are considerably thinner than the old-style T12 lamps. The designation reflects the diameter of the lamp in eighths of an inch. So, a T8 is one-inch, while the T12 is one-and-a-half inches. The lamps also require different ballasts, the device inside the fixture that controls the lamps.



Cost comparison

A typical two lamp T12 fixture uses 82 Watts, while a HP T8 system uses less than 50 Watts. That's a savings of around 40 percent while providing the same amount of light. In addition to better initial efficiency, T8 lamps stay brighter over their life, so you can get by with lower wattage systems. To assist with the conversion, EWEB provides cash rebates for upgrading to more efficient lights. This means you can have better lighting installed today, and the savings on your electric bill can pay back any additional costs of the install in about a year. After that, you'll enjoy a new, better lighting system and reduced power bills.

Higher quality lighting

In the past, older fluorescent lighting was distracting, because it sometimes had a noticeable "flicker" or "humming sound." However, today's electronic ballasts operate at a much higher frequency and operate noiselessly. This results in a quiet work environment with a steady light output.

Other great features

HP T8 lamps have rare earth phosphors providing excellent color quality. HP T8 lamps are available in four different colors. They range from 3000k, which is equivalent to warm white light, to 5000k, which simulates daylight. HP T8 lamps also last up to 30 percent longer, which means you won't need to replace burnt out lamps as often. In addition, HP T8 systems produce less heat than T12 systems, which creates savings on the cost of cooling workspaces.

Making the switch

Replacing your old T12 system with a HP T8 system will produce better-quality light, while saving energy and lowering your electric bill. Ultimately, quieter, high-efficiency lighting equals higher productivity and happier customers. Where do you start? The process to upgrade is simpler than ever, just call a contractor that you like working with and start saving today. For more information, call the Eugene Water and Electric Board at 484-1125 and ask to speak with an energy representative. You can also visit us on the web at www.eweb.org under the "For your Business" tab.

High-Performance T8 Systems Help Save You Money



It's no surprise that many businesses in Eugene have saved money by upgrading their existing lighting to High-Performance T8 (HP T8) systems. However, what is surprising is how easily you can adapt HP T8 lighting to meet the specific needs of varying types of businesses.

Because of its versatility and wide array of features, the types of businesses that use HP T8 range from large industrial warehouses to casual, small retail businesses. When it comes to HP T8 lights, there are many great options for saving money.

Small Office Lighting

Either you work in an office, or you know someone who does. It's one of the most common business types in Eugene. To be successful, you need good lighting to keep your employees happy and productive. With EWEB Rebates, you can improve your lighting, reduce your electric bill and see a return on your investment at the same time. Your existing 4' light fixtures can be upgraded to efficient fixtures by a simple change out of the ballast and new lamps.

This small insurance office retrofitted their old T12 fixtures with HP T8 fixtures.



Project Summary

Measure Cost	\$4310
EWEB Rebate	\$(2060)
Oregon Tax Credit	<u>\$(1500)</u>
Net Cost	\$750
Annual Savings	\$800
Simple Payback	<1 Year

Repair Shop Lighting

Without adequate lighting you run the risk of substandard repairs and callbacks. By replacing your old 8' T12 fixtures with a new 4-lamp 4' HPT8 system your light levels will increase, while your energy bill decreases. HP T8 lamps last twice as long as the old T12 lamps, so you don't have to replace them as often, reducing your maintenance cost.

This repair shop replaced their 8' T12 fixtures with new 8' fixtures with reflectors, T8 high efficiency ballasts, and four high-lumen HP T8 lamps.



Project Summary

Measure Cost	\$2670
EWEB Rebate	\$(1730)
Oregon Tax Credit	<u>\$(830)</u>
Net Cost	\$110
Annual Savings	\$550
Simple Payback	<3 Month

Small Retail Lighting

Specialty stores need adequate lighting to accent products and provide general illumination for other tasks. By using the most efficient light sources, HP T8 for ambient illumination and highlighting with compact fluorescent or metal halide, energy efficient appealing and effective lighting can be achieved with fewer watts. This calculates into the most light for the least amount of money.

This pro shop upgraded their 2'x4' recessed fixtures with a HP T8 system and replaced the incandescent track heads with compact fluorescents.



Project Summary

Measure Cost	\$1730
EWEB Rebate	\$(750)
Oregon Tax Credit	<u>\$(600)</u>
Net Cost	\$380
Annual Savings	\$400
Simple Payback	<1 Year