



Energy Efficient Lighting Solutions

Who We Are



Abaco Lighting provides custom energy-efficient lighting solutions for commercial and industrial facilities seeking to reduce lighting energy consumption, improve light levels, and qualify for Energy Policy Act of 2005 tax incentives.

Our goal is to not only provide our customers with a light, but to offer solutions by designing energy saving systems that improve work conditions and reduce maintenance costs.

Customer Benefits



- Improved light levels
- Lower electric bill
- Reduced maintenance
- Improved productivity
- Reduce environmental impact
- Instant on



Why Lighting Retrofits?



- Quickest Return on Investment in terms of electrical savings according to DOE
- Proven to get up to \$0.60 per square foot tax deduction via EP Act of 2005



400W
Metal Halide

50% Savings in
Operating Cost



4-Lamp T5 HO High Bay



- Energy Policy Act of 2005 provides up to the entire cost of an interior energy efficient lighting upgrade to be deducted on the owners taxes.
- Maximum deduction of \$0.60 per square foot.
- Project must meet ASRAE 90.1 power density and include bi-level switching.
- Project must be certified by a licensed PE and certified on approved IRS software.
- Visit www.lightingtaxdeduction.org for more information.

What Are T5 Lights?



- T5 High Bay Lights are a direct replacement for traditional Metal Halide fixtures
- T5 High Bay Lights consume 50% less electricity than a standard 400W Metal Halide



T5 lights are the top fixture used in Energy Policy Act certifications

Induction Lamps



Induction lamps are one of the newest energy-saving lighting technologies developed in recent years. Induction lighting is based on a technology that is fundamentally different from that of traditional lighting products, e.g., fluorescent or high-intensity discharge (HID). With no filaments and electrodes to burn out, these unique lamps can last up to 100,000 hours, making them virtually maintenance free!



Induction & LED Products



The Math



- Annual Energy Savings

$$\frac{\text{Watts Saved} \times \text{Burn Hours} \times \text{Rate}}{1,000} = \text{Annual Savings}$$

(Ex.) $\frac{237\text{W} \times 2,860 \text{ hrs} \times \$0.11}{1,000} = \$94.06 \text{ per fixture}$

- Return on Investment

$$(\# \text{ Years} \times \text{Annual Savings}) - (\# \text{ Fixtures} \times \text{Cost per Fixture})$$

- Simple Payback Period

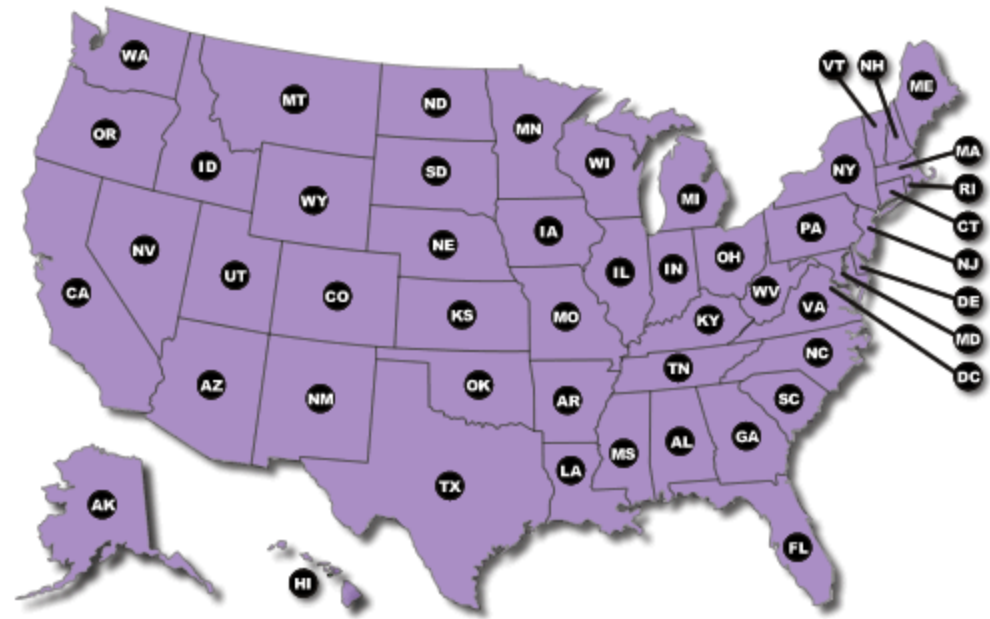
$$\frac{(\# \text{ Fixtures} \times \text{Cost per Fixture})}{\text{Annual Savings}} = \text{Payback Period (yrs.)}$$



Incentives



- Local utility rebates
- State tax rebates
- Loan programs
- Energy Policy Act



Visit www.dsireusa.org for a clickable map and a listing of all federal and state incentives for energy retrofits

T12 Phase out



T12 Lighting Phase Out > July 1, 2010



The U.S. Department of Energy's fluorescent lighting mandate is official. As of **July 1, 2010** magnetic ballasts most commonly used for the operation of T12 lamps will no longer be produced for commercial and industrial applications. Also many T12 lamps will be phased out of production starting July 2012.

What should I be prepared for?

- Manufacturers will be phasing out their production of T12 lamps and ballasts
- Progressively less availability of T12 lamps & ballasts
- Increased cost of T12 lamps and ballasts due to demand vs. limited supply
- To keep up with federal regulations for energy efficiency, manufacturers' technology and production will be focused on T8 and T5 systems.

What T12 lamps are affected by this phase out?

- T12 4-foot and 2-foot U-lamps lamps with bi-pin bases
 - + Majority of F40 and F34T12 lamps and all FB40 and FB34T12 U-lamps.
 - + 4-foot requires 3560 lumens @ 40W and 3030 @ 34W to pass @ 89 LPW
 - + 4-foot requires 3360 lumens @ 40W and 2856 @ 34W to pass @ 84 LPW
- T12 8-foot Slimline with single pin bases
 - + All 75W F96T12 lamps
 - + All 60W F96T12/ES lamps, except for the 800 Series
- T12 8-foot 800mA HO with RDC bases
 - + All 110W F96T12-HO lamps
 - + All 95W F96T12/ES HO lamps

Did you know?

Approximately 30% of all fluorescent lamps sold in the U.S. are still T12 technology. As a result of the T12 phase out, 70% of all T12 fluorescent lamps sold in the U.S. will be phased out come July 2012.

Why are the T12 fluorescent systems being phased out?

T12 lamps and magnetic ballasts are considered outdated compared to the far more energy efficient T8 and T5 fluorescent technologies now available. The Department of Energy's objective is to remove less efficient T12 fluorescent systems from the market, and thus increase lighting energy efficiency for organizations.

Are there some T12 systems that will continue to be manufactured?

- Yes, the following will continue to be manufactured:
- T12 fixtures designed to dim output more than 50% of their full output
 - T12 ballasts driving 8-foot, high-output fixtures designed for outdoor advertising
 - T12 ballasts designed and labeled for use in residential applications

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- Increased cost of T12 lamps and ballasts due to demand vs. limited supply.
- To keep up with federal regulations for energy efficiency, manufacturers' technology and production will be focused on T8 and T5 systems.

Now is the perfect time to upgrade your facilities lighting to a more energy efficient system. Call Motion Industries or Abaco Lighting at 877-337-4123 to learn about incentives in your area.



2411 NW 16 Lane #5, Pompano Beach, FL. 33064
Phone: 877-337-4123





**Directly from
a customer!**

Brighter, Cheaper and Greener Lights in Garland

Walked through the Garland Assembly Plant lately? If so you've probably noticed the improved lighting for employees building our customer's trucks. But what you can't see is the cost and environmental savings. By replacing 1,000 Metal Halide light fixtures with 900 T5 Bay Lights, we're consuming 50% less energy for lighting. That's a savings of \$143,000/year at the plant. Even more, the government tax credits and incentives added another \$200,000. All told, the payback has come in about year. By the way...it's reduced over 1,300 TONS of greenhouse gas emissions as well!



Look up for cash in
your ceiling!