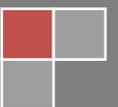
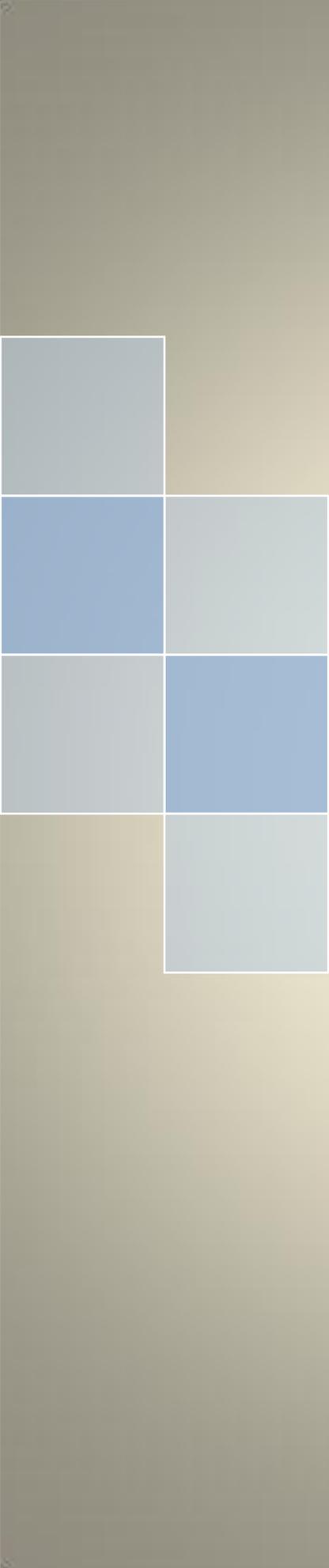


2012

Upgrading to Energy Efficient Spectralite LED Tube Lights

Ballast Free Fluorescent Replacements





INTRODUCTION

Spectralite Technologies is an American Supplier of LED Technologies, including LED Lighting and fluorescent replacement LED Lighting. Currently, American Companies and Government Facilities are upgrading their lighting to new higher efficiency fluorescents to include, T8 and T5 fluorescent units.

Upgrading to LED Fluorescent Replacement Tube lighting is significantly less expensive and offers a substantial savings in energy costs over all fluorescents. As an added bonus, LED lighting is the most efficient lighting source and offers a longer life than fluorescents.

PURPOSE

Currently, the US Government's Energy initiative includes incentives for American businesses to upgrade their facilities to Energy Efficient lighting. Adding incentives from State and local Power Companies, a business can recoup nearly 100% of its investment from rebates alone.

The initial investment in LED Fluorescent replacement can be recouped in less than 24 months through energy savings alone. As a result of the fifty to eighty thousand hour life of the LED units, costs associated with bulb and ballast replacement will be reduced one hundred percent, as well.

TECHNOLOGY and ADVANTAGES

Spectralite LED Tube Lights are designed to replace traditional and non-traditional fluorescent lighting. Unlike upgrading to T8 or T5 fluorescent bulbs, SpectraLite LED Tube lights can be used in current fixtures without a ballast; significantly reducing costs associated with fixture, bulb and ballast replacement.

Advantages of switching to LED Tube Lights:

- Plastic, shatterproof tubes
- No caustic or hazardous materials
- Brite White, Natural and Warm White Colors available
- No Ballast to change and great for cold locations
- 100% of light energy is focused toward the ground
- Easy Install, straight 110v power to one side
- Recyclable
- Greatly reduced residual heat signature
- Greatest available Energy reduction
- Certified Green Technology that qualifies for the highest credits according to EPCAct 2005.

Upgrading to LED tube lights is easier than changing a ballast. To upgrade, the current ballast in a fixture is removed and one side of the fixture is straight wired with 110 volt power. Upgrading to T5 and T8 fluorescents requires new fixtures, bulbs, ballasts and a substantial amount of labor. An LED tube light upgrade is fast, easy and less expensive than fluorescents while offering the greatest energy savings.

ENERGY EFFICIENCY and SAVINGS

Along with a 50 to 70% reduction in energy consumption, LED Tube Lights offer one hundred percent lighting efficiency. Unlike fluorescent lighting, LED tube lights focus all of its light towards the ground at a 120 degree angle.

The following is an example of the cost savings of switching to Spectralite LED Tube Lights.

Replacing 1000 40 watt fluorescent bulbs with 1000
15 watt LED Bulbs.

**Using 10 cents a Kilowatt hour as your energy cost.

The cost to run those bulbs 24 hrs a day for a year:

40 watt Fluorescent = \$35,040

15 watt LED = \$13,140

Savings = \$21,900 a year

Cost of 1000 LED Tubes, Special Pricing = \$31,500

Lifespan - 50,000 to 80,000 hrs, 5.5 to 9 years.

5 year savings minus bulb cost = \$78,000

The elimination of bulb and ballast replacement and the labor costs associated with it is another substantial savings for LED Lighting over fluorescents. Due to the lighting efficiency of LED tube lights, even greater energy savings can be achieved by replacing 4 bulb units with only 2 LED tubes lights.

Federal, state and local incentives can also reduce the cost to switch to high efficiency lighting. As an example, GulfPower and Southern Company's Earth Cents program offers thirty cents for every watt of energy saved by upgrading to LED lighting. This is a direct payment program and is only one of the programs to offset the investment costs.

SUMMARY

The Federal Energy Management Program illustrates the US Government's commitment to leadership in energy conservation and environmental stewardship. Congress' Eact 2005 provides the incentives for businesses to upgrade their facilities now.

Start saving your business money today with SpectraLite LED Lighting. Unlike fluorescents, this investment will pay for itself immediately.

http://www1.eere.energy.gov/femp/pdfs/femp_fs.pdf

<http://www.spectralitetechnology.com/ledtubelighting.html>



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