

# Why LED Lighting Make Sense

## What is LED?

- LED stands for Light Emitting Diode
- LEDs are small light sources(chips) that illuminate by the movement of electrons through a semi-conductor material, causing the electricity to convert to light. LED chips are clustered in a lamp to provide more light.

## Costs

- A Deluxe LED Light Kit from Vendors Exchange sells for \$140.
- Industry experts estimate the cost to replace fluorescent bulbs at \$60-\$90 each given the cost of the bulb, the technician's time and travel expenses.
- Fluorescent bulbs continuously lit have an average life span of 11-13 months. LED strips last from 7-10 years.
- The LED light kit pays for itself in less than the cost of 2 bulb replacements.

## Energy Efficiency and The Environment

- The chart below shows the cost to operate various machines using LEDs vs. Fluorescent bulbs.

**Cost of traditional fluorescent lighting versus LED Lighting**

Machine	LED Lights			Fluorescent BULBS		
	Wattage	Cost Per Month	Cost Per Year	Wattage	Cost Per Month	Cost Per Year
Snack	8W	\$2.68	\$32.16	15W	\$5.04	\$60.48
Food Machine	14W (2) LED strips	\$4.76	\$57.12	40W (2) bulbs	\$9.60	\$115.20

Notes:

1. These figures are based on PA Electric Co. (PECO) rates of .1483 cents per kw.
2. Savings will be even greater with Motion Sensor.

Source: AMOnline.com and NAMA WHITE PAPER: Green Vending - Energy Efficient Practices

- LED lighting gives off less heat. Less air conditioning is needed to cool space and there is less of a drain on non-renewable energy sources.
- LED lighting has no mercury. Thus, there is less environmental impact by hazardous chemicals, less landfill waste and reduced effect on global warming.

## Improved Sales

- The advantages of LED lighting can be used as a marketing tool in order to sell a new or existing location.
- A Deluxe LED light kit with multiple strips and reflectors provides superior brightness to traditional fluorescent bulbs. LED light cuts down on shadows particularly on lower shelves.
- Improved lighting attracts more customers and increases sales.



8700 Brookpark Road  
Cleveland, Ohio 44129  
Phone: 800.321.2311  
Fax: 800.249.1855  
www.veii.com