



SAME RELIABLE LIGHTING NEW LED TECHNOLOGY



Annual Savings Per 100 Lamps: How much could your business save?

What can switching to Bright33® LED Lighting do for you? Our line of T8 replacement tubes provide the same bright task lighting as a classic fluorescent at a substantial energy cost savings to you, helping you hold on to your profits.

	FLUORESCENT	BRIGHT33 LED T8 LAMPS	
ENERGY USAGE	32w	14w	20w
ANNUAL ENERGY COST	\$1664	\$728	\$1040
TOTAL ANNUAL SAVINGS		\$936	\$624

Cost and savings are based on 100 lamps with the same light quality and brightness used for 16 hours per day, 5 days per week.

See the reverse of this flyer for our cost savings worksheet to guide you through calculating your potential savings across all Bright33 product categories.

Use this 3-part calculation to determine annual energy cost savings resulting from an upgrade of one lamp or system type throughout a facility. This annual cost savings figure may be compared with the cost of the upgrade to determine simple payback and return on investment.

1. Calculate the total power (kilowatts, kW) saved by upgrading older lamps to energy saving Bright33 LED replacements:

$$\frac{\text{Original Lamp Wattage}}{\text{W}} - \frac{\text{Bright33 Lamp Wattage}}{\text{W}} = \frac{\text{Watts Saved per Lamp}}{\text{W}} \times \frac{\text{\# of Lamps to Replace}}{\text{\# of Lamps to Replace}} = \frac{\text{Total Watts Saved}}{\text{Total Watts Saved}} / 1000 = \frac{\text{kW}}{\text{Total Kilowatts Saved}}$$

2. Calculate the total energy (kilowatt hours, kWh) saved annually by performing this upgrade:

$$\frac{\text{Total Kilowatts Saved}}{\text{kW}} \times \frac{\text{Hours of Use per Day}}{\text{hrs/day}} \times \frac{\text{Days of Use per Week}}{\text{days/wk}} \times \frac{\text{Weeks of Use per Year}}{\text{wks/yr}} = \frac{\text{Total kWh Saved per Year}}{\text{kWh/yr}}$$

3. Calculate the total energy cost savings per year:

$$\frac{\text{Total kWh Saved per Year}}{\text{kWh/yr}} \times \frac{\text{\$ Your Energy Cost per kWh (typically \$0.10)}}{\text{\$}} = \frac{\text{\$ Total Energy Cost Savings per Year}}{\text{\$}}$$

PAYBACK:

$$\frac{\text{Initial Cost of Lighting Upgrade}}{\text{Total Energy Cost Savings per Year}} = \frac{\text{years}}{\text{Payback}}$$

RETURN ON INVESTMENT (ROI):

$$100 / \frac{\text{Payback}}{\text{ROI}} = \frac{\%}{\text{ROI}}$$