

ENERGY CONSERVATION TIPS FOR LIGHTING

TOTAL
ENERGY
CONSULTANT

- ✓ Reduce excessive illumination levels to standard levels using switching; delamping, etc. (Know the electrical effects before doing delamping.)
- ✓ Aggressively control lighting with clock timers, delay timers, photocells, and/or occupancy sensors.
- ✓ Install efficient alternatives to incandescent lighting, mercury vapor lighting, etc. Efficacy (lumens/watt) of various technologies range from best to worst approximately as follows: low pressure sodium, high pressure sodium, metal halide, fluorescent, mercury vapor, incandescent.
- ✓ Select ballasts and lamps carefully with high power factor and long-term efficiency in mind.
- ✓ Upgrade obsolete fluorescent systems to Compact fluorescents and electronic ballasts
- ✓ Consider day lighting, skylights, etc.
- ✓ Consider painting the walls a lighter color and using less lighting fixtures or lower wattages.
- ✓ Use task lighting and reduce background illumination.
- ✓ Re-evaluate exterior lighting strategy, type, and control. Control it aggressively.
- ✓ Change exit signs from incandescent to LED.