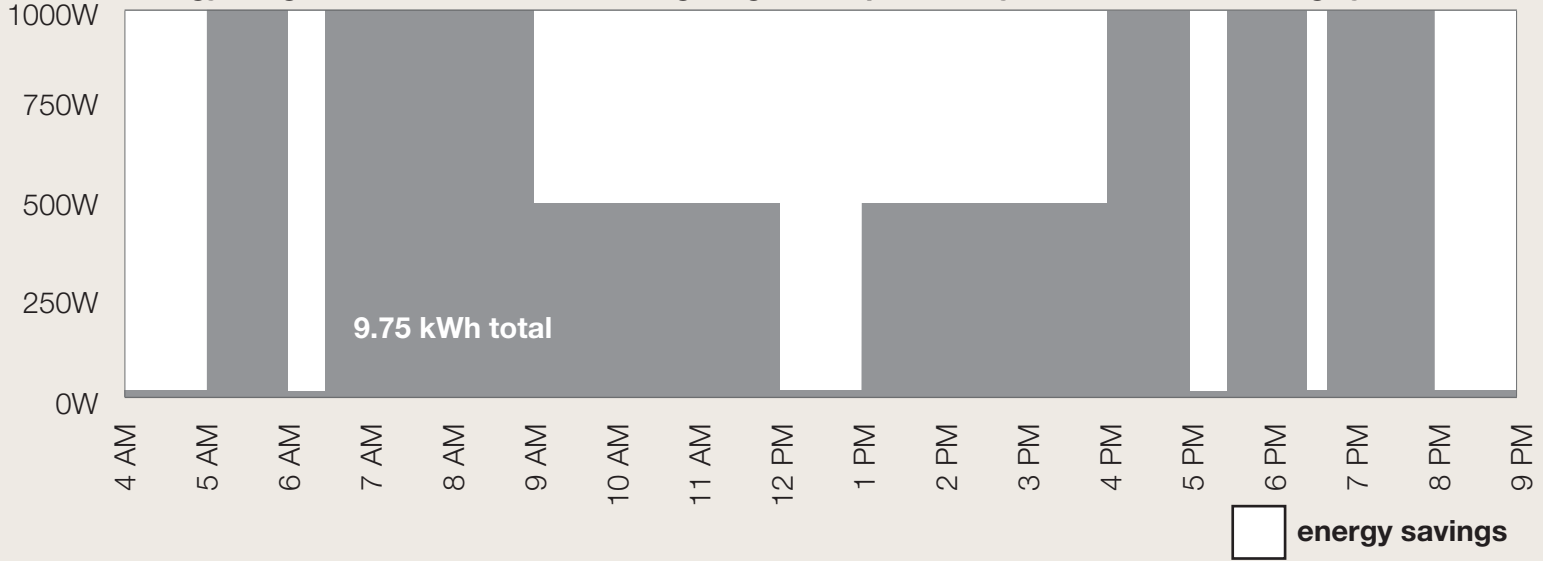


## Dimming systems save more energy than switching systems

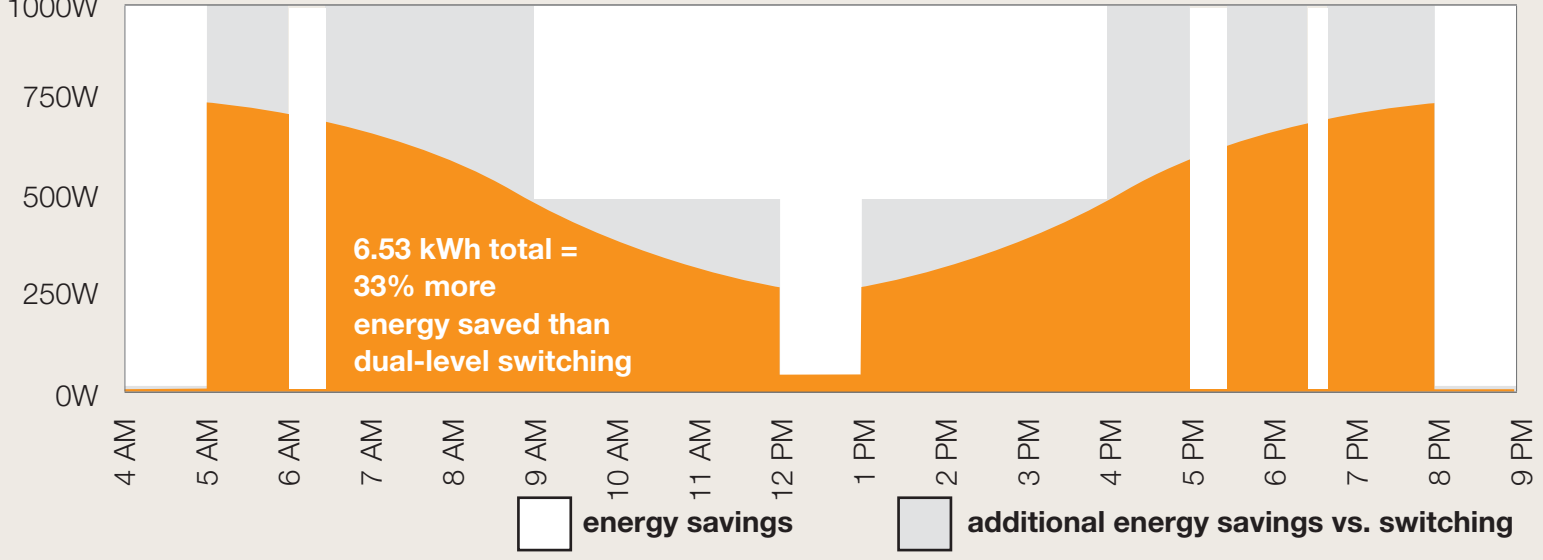
Energy usage of a room with a 1000W lighting load, operated by a dual-level switching system



Linked to daylight sensors, occupancy sensors, a timeclock and manual controls, dual-level switching systems can only step the lights from 100 percent to

50 percent, which means there are no energy savings until a major threshold is crossed. Plus, this kind of stepped switching can be distracting to occupants.

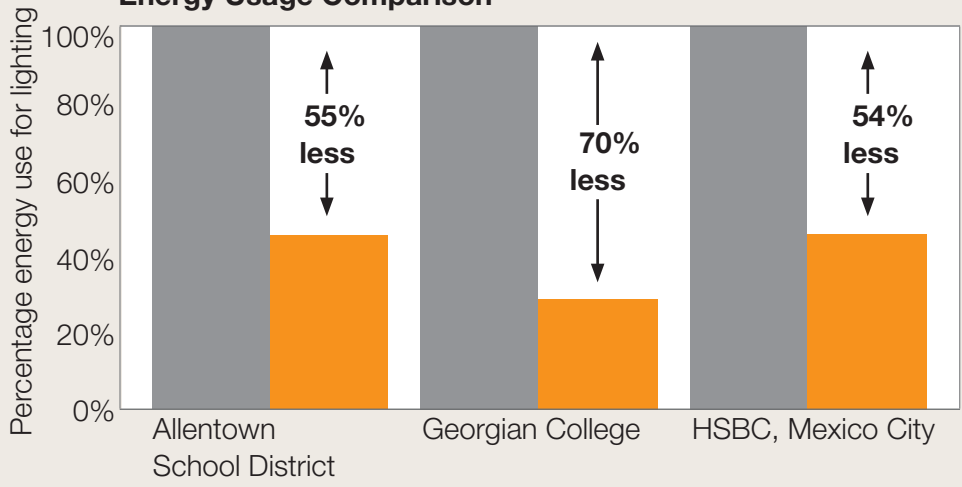
Energy usage of a room with a 1000W lighting load, operated by an EcoSystem™ dimming system



Using input from occupancy sensors, daylight sensors, timeclocks, and manual controls, microprocessors in **today's dimming ballasts drop electricity loads by a third or more** over

dual-level switching systems by providing smooth, unobtrusive dimming. For even greater savings, this system is tuned to 75% light output.

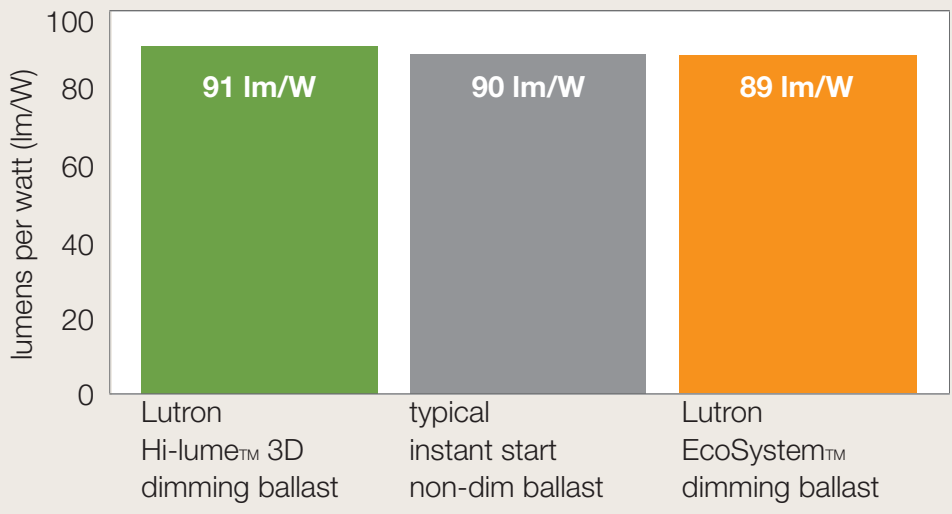
## Energy Usage Comparison



Energy usage of lighting control system using switching ballasts  
 Energy usage of lighting control system using EcoSystem™ dimming ballast

Today's dimming systems save a substantial amount of energy over switching systems. Visit [www.lutron.com/ecosystem](http://www.lutron.com/ecosystem) for more energy-saving case studies.

## Ballast Efficacy Comparison



T8 32W 2 Lamp 277V ballasts

It is a misconception that dimming ballasts today are materially less efficient than non-dim ballasts. **Current ballast efficiencies of fluorescent dimming ballasts and fluorescent switching ballasts are comparable—typically within 2 to 3 percent.**

### The Lutron dimming advantage

- Lutron dimming provides far more opportunities to save energy than stepped switching.
- Lutron tuning is an easy, virtually imperceptible way to deliver meaningful energy savings.
- Lutron dimming enhances the effectiveness of energy-saving devices like occupancy and daylight sensors.
- Lutron uses a patented method which allows for lowest cathode power at all light levels.
- Lutron dimming increases productivity and comfort of people in the space.



[www.lutron.com](http://www.lutron.com)