Energy Efficient Lighting tips

One kWh is enough energy to run one 100 watt bulb for 10 hours. An average home has approximately 25 sockets and you can imagine how much energy is waster everyday.

Compact fluorescent bulbs are about 3 to 4 times more efficient than incandescent bulbs. Therefore if all 25 bulbs were replaced with 15 watt compact fluorescent bulbs, the energy and money savings will be much.

By switching from incandescent lighting to compact fluorescent lighting the average consumer can save 50% to 80% in electricity costs without any loss in lighting quality. The average compact fluorescent bulb lasts 8 to 10 times longer than any incandescent bulb.

The full purchase price of the bulb will be paid back well within the 3 to 5 year life expectancy.

First generation CFLs earned a bad name with inadequate technology. For this reason many people think of unnaturally bright lights and loud humming noises when they think of CFL lamps. Fortunately, CFL technology has greatly improved since those days.

Expert Tips for Saving Energy with Lighting

Lighting accounts for 5- 10 percent of total energy use in the average home and costs Rs. 50 to 250 per month in electricity. That's not a huge amount, but it's enough to justify doing something about - especially when the advantages of energy-efficient alternatives are considered.

Simple Solutions

MAKE USE OF NATURAL DAYLIGHT

Nothing is nicer than natural light, and in terms of energy use, nothing' is more efficient. A single skylight or properly positioned window can provide as much light as dozens of light bulbs during the daylight hours. To benefit more from natural lighting you may need to rearrange your rooms. For example putting your favorite reading chair over by the south window, or you may want to go to more effort and install one or more skylights. To help get that light deeper into the room, you can paint your walls a light color and use reflective louvers or Venetian blinds.

REDUCE BACKGROUND LIGHT LEVELS AND RELY MORE ON TASK LIGHTING

You can save a lot of energy by concentrating light just where it's needed and reducing background or ambient light levels. This strategy - called task lighting - is widely used in office buildings, but it makes just as much sense at home. Install track of lower-level lights to illuminate your desk or the kitchen table where you do the study/work, and keep the ceiling lights off.

SWITCH TO COMPACT FLUORESCENT LAMPS

Most of the lighting currently provided by incandescent lights can be provided just as well with compact fluorescent lamps. Replacing your incandescent lamps with compact fluorescents is the best way to save lighting energy in the average home.

USE TUBE FLUORSCENT LIGHTING

The best tube fluorescent lamps with new electronic ballasts are a far cry from what most of us think of as fluorescent lighting. In fact, they can provide very satisfactory (and energy-efficient) recessed lighting around the perimeter of a living room, or overhead lighting in kitchens and bathrooms.

USE INCANDESCENT LIGHTS WISELY

Higher-wattage incandescent light bulbs are more efficient than lower-wattage bulbs. It takes two 60-watt bulbs or four 40-watt bulbs to provide as much light as a single 100-watt bulb. In a fixture that holds several bulbs, you'll save by using a single higher-wattage bulb instead of several smaller bulbs.

QUICK SUGGESTIONS
* Turn lights off when you leave the room, or install occupancy sensors.
* Install Energy-saving floodlights outdoors.
* Use solar-powered lights outdoors.
* Buy energy-efficient lighting equipment.