

Renovate Safely

- Be sure you or your contractor follow all local building codes, the Ontario Electrical Safety Code, bylaws and permit requirements.
- All electrical work must be inspected and approved by the Electrical Safety Authority. This inspection must be done prior to covering any wiring with drywall or any other wall/ceiling materials.
- Have a qualified electrician look at your electrical supply, panel and wiring to determine what alterations or additions may be required and make arrangements for an electrical inspection.
- New fixtures and switches should be wired by a qualified electrician whose work is inspected by the Electrical Safety Authority.
- Visit the Electrical Safety Authority's Web site at www.esasafe.com.

? For more energy efficiency information visit www.PowerSaver.ca or,

The Office of Energy Efficiency of Natural Resources Canada Web site at www.oeenrncan.gc.ca
 The Ontario Ministry of Energy Web site at www.energy.gov.on.ca

How to reach us

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Live Brightly, Save Energy Too



Using electricity more efficiently is good for all of us. Put these lighting tips to work to help save money and the environment.

- **No-cost low-cost lighting tips**
- **Invest to improve**
- **Shopping tips**

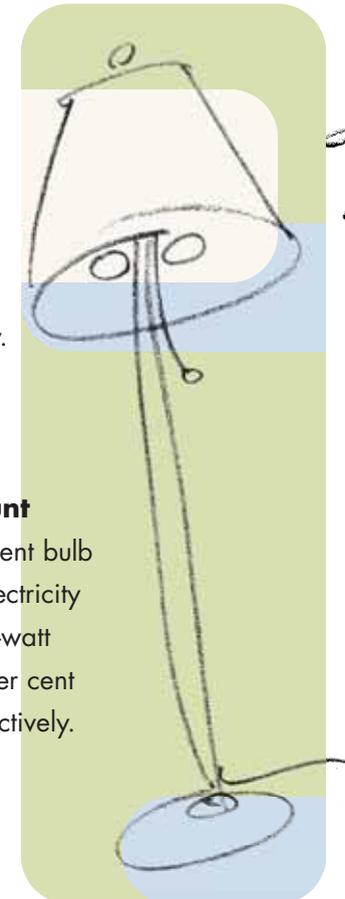
No-cost low-cost lighting tips

Lighting your home well makes it a pleasant place to live and uses electricity efficiently. Every light fixture in your home offers you an opportunity to save money on your electricity bill.

Lighting accounts for about 5 per cent of a home's electricity consumption.

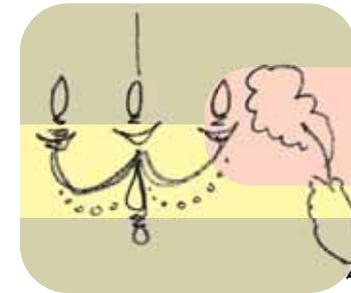
1 Location, location, location

Place your floor or table lamps in the corner of a room. The glow reflects off the walls and lights your room more effectively.

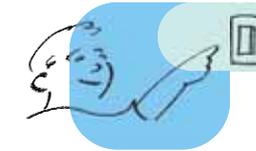


2 Lower your bulb count

One 100-watt incandescent bulb consumes the same amount of electricity as two 50-watt bulbs or four 25-watt bulbs, but gives off almost 20 per cent or 56 per cent more light, respectively.



3 Bust bulb dust
 Take the time to dust your light bulbs and clean your light fixtures often. Dirt on the surface of a bulb and a fixture can absorb up to half of the light and ruin the reflection factor.



4 Be switch smart
 Remember to turn off lights when you leave a room, even if it's just for a short while, and make sure your family does the same.



5 Right light for the job

Reading a book? A reading lamp is the best tool for the job. Lighting a high traffic area like a hallway or a kitchen? Consider using compact fluorescent light bulbs (CFLs), which use 75 per cent less energy and last up to 10 times as long as incandescent light bulbs.



? More details and tips

More details and additional no-cost low-cost tips are available at www.PowerSaver.ca



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Invest to improve

Investing in energy-efficient lighting pays dividends for years to come. Whether it's changing to energy-saving bulbs, or tackling bigger projects, you can take control of your lighting costs.

For projects that require a contractor, be sure to get a number of quotes and check references for appropriate qualifications. Also, find out about the EnergyGuide for Houses program by visiting the Natural Resources Canada Web site at www.see.nrcan.gc.ca.

The right bulb for the job = energy savings

Count the number of light fixtures in your home. In Ontario, the average home has around 30 – probably a lot more than you thought!

Every fixture in your home is a chance to save money on your electricity bill. Take the time to think about what each light is used for and how you can get the best use from it.

When comparing light bulbs, make sure you're looking at both the lumens and the watts. Lumens and watts don't mean the same thing. Lumens is a measure of the amount of light produced by each bulb, whereas a watt measures the amount of electricity used to produce light.



Use this handy lighting chart when you go shopping for bulbs.



Incandescent Light Bulbs

Watts	Lumens
25	270
40	510
52	780
60	860
90	1540
100	1680

Compact Fluorescent Light Bulbs

Watts	Lumens
5	250
7	400
9	600
15	900
18	1250
26	1800

Get CFLs on your team

More than 90 per cent of the energy that standard incandescent light bulbs use is lost as heat. The next time a 60W incandescent bulb burns out, consider using a 15W CFL. It provides the same amount of light, yet uses about 75 per cent less energy. If that 60 watt incandescent bulb is on for 10 hours a day, you'll save about \$1.30 a month by switching to a 15W CFL.

Light your way with motion

Equipping your outdoor lights with a motion sensor is a great way to welcome yourself and your guests at the door, without leaving lights on unnecessarily. They give you the safety of brightly lighting your path to the house without wasting electricity. Choose the amount of time you want them to stay on after they're triggered.

Timers are on your side

To make your home look occupied when you're out, consider installing programmable timers to switch selected lights on and off at specific times. Portable timers plug into a wall socket and operate lamps, while a permanent timer can replace the switch. Compact Fluorescent Light bulbs (CFLs) are an excellent choice for this task because of their energy efficiency.

Setting the mood for savings

Dimmer switches make regular incandescent bulbs more efficient by letting you find just the right spot between on and off. Turning down saves you money on electricity and extends bulb life.

Shopping Tips:

Compact Fluorescent Light Bulbs (CFLs)

CFLs do cost more to buy, but they use much less energy and last up to 10 times longer than regular bulbs! They're best suited to light fixtures that are used for three or more hours a day to achieve the best payback on their original cost. Most homes have at least four fixtures that would be great spots for CFLs like the kitchen, hallway, family room and front porch.

Remember:

- CFLs come in a range of shapes and sizes, be sure to measure the space available in your lamp or fixture.
- Many CFLs are made to work with various shapes and sizes of traditional fixtures.
- If you have a fixture with a dimmer switch, look for the CFL that's designed to work with dimmers or photo cells.
- There are CFLs that work for indoor and outdoor fixtures. Check the package for where to install the CFL.
- Not all CFLs are equal. CFLs that carry the ENERGY STAR symbol means that they are among the products that are the best, most energy-efficient on the market.



Ask for our other energy-saving brochures or visit www.PowerSaver.ca for more information.

