

# CFL LIGHTING

## Which

Today's CFL bulbs are available in a variety of sizes, shapes and types.

- Standard bulbs - now available in the spiral ("bare") type bulbs, or "covered" bulbs that come in various shapes, including A-line which looks much like a traditional incandescent bulb
- Reflector bulbs\* - available for indoor or outdoor use; reflector bulbs are a better choice for recessed fixtures, because the reflector distributes the light more evenly to a specific area
- Bulbs for fixtures with dimmers or lights with three-way switches\*
- Colored bulbs

\*Bulb packaging will specify bulb type and/or applicable uses.

Most CFLs provide warm (or soft) white light, ideal for home lighting. However, cooler shades are also available for task lighting.



HOW TO CHOOSE THE RIGHT BULB FOR YOUR FIXTURE									
FOR THIS FIXTURE	CHOOSE THIS BULB								
HARP SHADE	CLAMP SHADE	PENDANT FIXTURE	CEILING FIXTURE	CEILING FAN	WALL SCONCE	RECESSED CAN	TRACK LIGHTING	OUTDOOR COVERED	OUTDOOR EXPOSED

NOTE: If your fixture is connected to a dimmer or three-way switch, do not place an ENERGY STAR qualified light bulb in the fixture unless it is labeled as appropriate for dimmer or three-way switches.



For more detailed information on Compact Fluorescent Light bulbs, visit the ENERGY STAR website at [www.energystar.gov/index.cfm](http://www.energystar.gov/index.cfm).

To learn about many more ways you can stop, think and conserve energy, visit PWC's website.



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## WATT a way to Save



SAVE ENERGY.  
SAVE MONEY.  
SAVE THE PLANET.



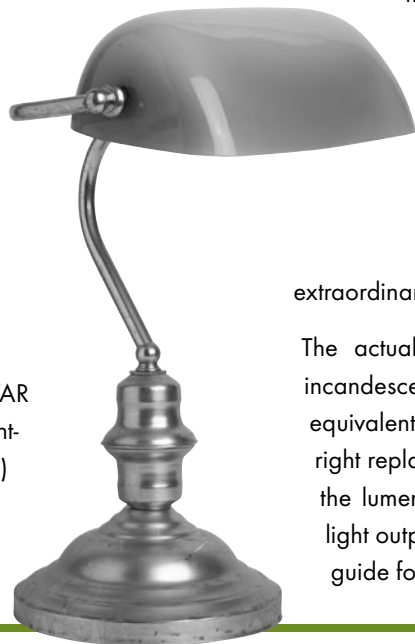
**SAVE ENERGY.  
SAVE MONEY.  
SAVE THE PLANET.**

You can do it all with Compact Fluorescent Light bulbs (CFLs). At PWC, we encourage everyone to stop ... think ... and conserve energy - by replacing "traditional" (incandescent) light bulbs with CFLs.

Think about this! If every household in America replaced just one incandescent bulb with a CFL, it would save enough energy to:

- Light more than 3 million homes for a year
- Reduce the nation's annual energy costs by more than \$600 million
- Prevent about one trillion pounds of greenhouse gases for the year (equivalent to the emissions from more than 800,000 cars)

Today's CFLs meet stringent ENERGY STAR standards. ENERGY STAR is a government-backed (U.S. Department of Energy/EPA) program established to help individuals and businesses protect our environment through greater energy efficiency.



### Closer to Home

As "great friends" of the environment, CFLs are a smart choice. But they're also a great choice for your household, because the more tangible, everyday benefits are significant. Compared to standard incandescent bulbs, Compact Fluorescent bulbs:

- Use about 75% less energy - resulting in considerable savings over the life of the bulb
- Last up to ten times as long
- Produce 75% less heat, so they're safer to operate (and, they can help you save on cooling costs)

CFL packaging will provide you with information, including bulb life (imagine a bulb that lasts for 9 years!), as well as the cost savings. Remember, multiply the savings by every bulb you use to gauge the true impact of using these energy-efficient bulbs.

### Light Lore - Watt

Compact Fluorescent bulbs function like "traditional" fluorescent lighting. However, in addition to their smaller size and greater variety, today's new generation CFLs don't have the "problems" associated with regular fluorescent bulbs. This includes humming, flickering and color appearance. CFLs produce high quality light, while achieving extraordinary energy savings.

The actual wattage on CFL bulbs is lower than incandescent bulbs. CFL packaging includes watt equivalent information and will help you select the right replacement bulb. You may also want to check the lumen rating to be sure your CFL has enough light output. The following chart provides a general guide for comparison.



### Light Levels and Lumens

Lumens represents the amount of light emitted by a light source, such as a light bulb. Following are typical lumens levels for various light (CFL) bulbs. Realize that recommended light levels will vary based on the person and the task. When purchasing light bulbs, however, don't assume that more watts means more light, more lumens means more light. The chart below will help you determine the most efficient light bulb for the amount of light you desire.

LUMENS		EFFICIENCY (lumens per watts)
<b>AMBIENT LIGHTING</b>		
400	9 watt CFL	44
460	40 watt incandescent	12
500	10 watt CFL	50
<b>GENERAL ROOM LIGHTING</b>		
890	60 watt incandescent	15
900	15 watt CFL	60
1,180	75 watt incandescent	16
1,200	20 watt CFL	60
1,380	23 watt CFL	60
<b>SUITABLE FOR READING</b>		
1,750	100 watt incandescent	17
1,750	29 watt CFL	60
2,780	39 watt CFL	71
2,780	150 watt incandescent	19

### Where

For maximum energy efficiency, CFLs are best used in lighting that stays on for several hours a day or for at least 15 minutes at a time. That means they're a great choice for just about any room or area - indoors or out - except places where lights are just turned on for short periods of time.

### When ...

... it's "finally" time to discard a CFL (remember, they last for years!), you should do so properly. These bulbs contain a very small amount of mercury (an average of 5 milligrams, which is about 1/100th of the amount found in older thermometers). In Cumberland County, residents should place CFLs in a plastic bag, seal and discard them in their regular trash.

### Why

As noted at the beginning of this brochure, switching to Compact Fluorescent Lights can have a huge impact on our environment, reducing the greenhouse gases that pollute our air. What's more, by reducing the energy you use in your home or business, CFLs will also save you money each month on your electricity bills.