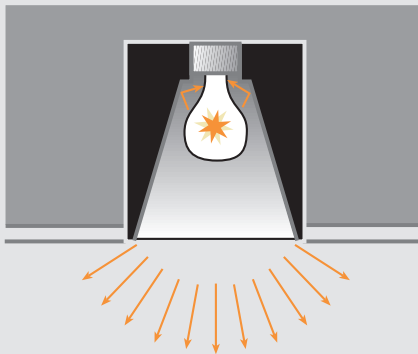


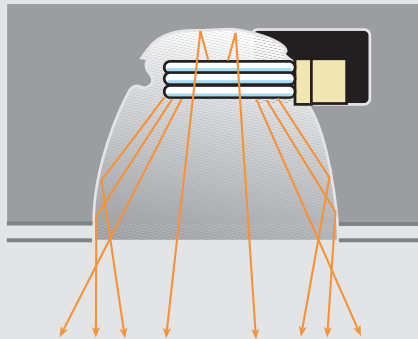


Compact Fluorescent Down-Lighting

Incandescent Down-Light



Compact Fluorescent Down-Light



Incandescent

- Incandescent bulbs produce 15-20 lumens of light per watt of electric power.
- More energy is lost to heat – adding to summer cooling load.
- Lamp life is short with bulbs lasting 750-1000 hours and spot lights or floods lasting 2000-3000 hours.
- The optics of older fixtures is poor – some light is trapped.

Compact Fluorescent

- Compact Fluorescent (CF) lamps provide 40-60 lumens per watt.
- Less energy is wasted to heat.
- CF lamps satisfy the efficiency standards of the 1992 Energy Policy Act.
- Lamp life is rated at 10,000 hours.
- Improved fixture optics trap less light.
- Rare-earth phosphor coatings provide improved color rendition.

Anticipated Savings

For a single compact down-light fixture, the expected savings over the old system are:

400 kWh and \$16 annually

Annual power plant emissions eliminated:

460 kg CO₂ 2.3 kg SO₂ 1.4 kg NO_x

