

# Down with Halogens!



Halogen downlights and spotlights (also known as dichroic lamps and low voltage lights) have spread rapidly in Australia due to the misconception that these lights are low energy.

Although often low voltage, the power consumption of these lights is huge, often many hundreds of watts per room. Amongst their many faults:

- Produce substantial heat, burdening air conditioning, damaging nearby product and increasing risk of fire;
- Low efficacy – using a lot of power relative to light produced;
- Narrow beam of light terrible for space lighting;
- High consumption per m<sup>2</sup> due to bulb and hidden transformer

Smart retailers, restaurants and home owners are quickly realising that halogen downlights are costing them and the environment too much.

A room with ten halogens turned on could be drawing as much as 700W, unnecessarily heating the room, and placing a burden on any air conditioners present. At the same time, the heat produced can create customer and staff discomfort, leading to poor productivity.

## Example 1: Busy Takeaway Restaurant

A restaurant seating area with ten standard halogen lights on for an average of 10 hours per day.

Power Costs:	Up to \$330 / year (based on 13c/kWh)	
Bulb Replacement:	3 times x 10 = \$60	
Bulb Changing Time	30 x 5mins x \$18/h = \$45	<b>TOTAL: \$435/pa</b>

Compact Fluorescent Downlights in the same space would cut the cost to approx. \$129 p.a.

