

Case Study

Avon Products



Avon's Calling for Energy Efficiency

Project Description:

Responding to a Demand Side Management program in the local area Avon Products Pty Ltd, the Australian arm of the giant multi-national, engaged Ilum-a-Lite to implement energy saving measures on the lighting.

Avon provides high quality products throughout the world and in Australia occupies a four-storey office and warehouse building on Sydney's Northern Beaches. Both Office and shipping areas are lit with more than 4000 fluorescent lights.

Ilum-a-Lite identified that **Light Eco** could save more than 25% of the energy used on all administration floors and a trial unit was installed.

After a successful trial authorisation was given to complete the installation of units on all floors.

Simultaneously Ilum-a-Lite and Avon's building Manager identified that the shipping area was Poorly lit with old fluorescent lighting. It was

suggested that a complete re-lamping take place whereby Ilum-a-Lite would replace twin 36-watt halophospor lamps with single 37-watt Quadphospor lamps.

The outcome would provide better light levels, reduce energy consumption by half and the new lamps would last more than twice the time of the old ones.

The Light Eco project was completed over two working days with minimal disruption to the very busy complex and the re-lamping was conducted over two weekends in order to avoid disruption of the shipping operation.

In addition to the saving shown in the table below, Avon contributed a saving of 74 KVA to the local Demand Side Management program helping the local electricity provider cope with increasing demand and attracting a financial bonus from the electricity company.

Summary of Results:

Annual savings	\$22,000
Demand rebate	\$7000
Investment	\$30,000 (Fully installed)
Internal Rate of Return	97% (simple pay-back = 13 months)
Greenhouse gas savings per year	270 tonnes CO ² equivalent

Project Bonus: Ilum-a-Lite presents to all clients one tree seedling for every tonne of CO² saved, thus significantly improving the environmental effect. Avon and Ilum-a-Lite will add to the environmental benefit by planting more than 270 native trees in the local area.