

CASE STUDY

Product: *Save It Easy® Inline T5 adaptor*

Customer: *Department of Environment & Conservation, NSW*

Customer Contact: *Available upon request*

Location: *48-52 Wingewarra Street Dubbo NSW 2830 Australia*

Investment: *AUD\$11,000 (including T5 lamps)*

Annual Savings: *AUD\$3,300*

Return On Investment: *30% (simple payback = 40 months)*

Greenhouse gas savings per year: *18 Tonnes of CO2 equivalent*



Project Description:

The New South Wales Government is committed to reducing Greenhouse Gas and energy consumption.



Department of Environment and Conservation (NSW)

government occupied premises.

The NSW Department of Environment and Conservation (NSWDEC) engaged *Insight Projects* to design and manage the NSWDEC Dubbo office renovation. Part of the renovation project was to maximise the energy efficiency of an older styled building in Dubbo which the department had leased; the building was extensively fitted with electromagnetically ballasted T8 lamps. Consideration was given to converting the lighting to energy efficient T5 luminaires (light fittings), but this action was rejected as being uneconomical.

Faced with the challenge of an old and energy inefficient building and the need to present economically viable solutions, *Insight Projects* approached *Ilum-a-Lite* to specify its own unique solutions to achieve the T5 lighting upgrade required.

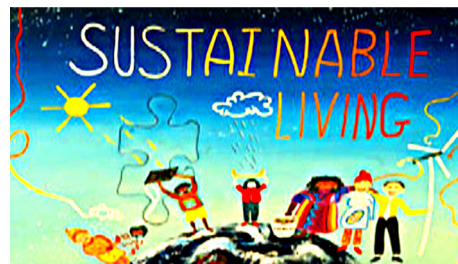
In 2004 the NSW Premier issued a Memorandum committing NSW State Government agencies to meet or exceed the Australian Building Greenhouse Rating (ABGR) star level ratings in

The *Save It Easy®* electronically ballasted in-line T5 upgrade system was specified. *Save It Easy®* enabled all the existing T8 fluorescent luminaires to be upgraded to hold the highly efficient electronically ballasted T5 lamps with 33% energy saving and corresponding reductions in Greenhouse Gas levels.

Most importantly however, the *Save It Easy®* solution required no replacement of light fittings, no re-wiring of existing fittings, no mess or disruption and could be completed immediately upon receipt of *Save It Easy®* devices and T5 lamps.

The time taken from initial specification to completion of the upgrade took less than three weeks and the tenancy now has all the advantages of energy saving long life T5 fluorescent tubes with added savings in maintenance cycles.

Through this upgrade NSWDEC demonstrated environmental leadership within its peer state government agencies, by improving the department's Greenhouse performance in a new tenancy which, under the Premier's guidelines, they were not necessarily obliged to do.



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