

CASE STUDY

Product: Save It Easy® Inline T5 adaptor

Customer: Council of the City of Sydney

Customer Contact: Available upon request

Location: Town Hall House NSW 2060 Australia

Investment: AUD\$150,000 (including T5 lamps)

Annual Savings: AUD\$86,000

Return On Investment: 57.3% (simple payback = 21 months)

Greenhouse gas savings per year: 640 Tonnes of CO2 equivalent



Project Description:



The City of Sydney is one of the world's leading cities. The Council of the City of Sydney has embarked on a number of projects to ensure the city leads in energy efficiency and sustainability. One such project focussed on its own headquarters, the 100m, 23 storey Town Hall House in the CBD.

The City of Sydney has been a customer of Ilum-a-Lite since 2002 when Light Eco® energy controllers were installed in city underground parking. These units have been saving a minimum of 25% of the energy used by lighting and have repaid investment many times over. Consequently, Ilum-a-Lite was selected as a partner in

lighting upgrades to a number of sites using Save-it-Easy®. The upgrade was specified by leading Sydney consulting engineers, Cundalls and project managed by the Project Control Group (PCG) with CBD Mechanical & Electrical acting as the prime contractor.

The Save-it-Easy® in-line T5 upgrade was specified to retrofit all existing 58 Watt T8 fluorescent luminaires,



to 35 Watt T5 electronic lamps with a 45% energy saving. Many areas were able to de-lamp fittings as T5 lamps exhibit greater light efficacy and have lower lumen loss rates compared to T8 lamps. Delamping rates of up to 40% were achieved while remaining well within the Australian Standards for indoor lighting. Notably, Save-it-Easy® required no replacement of light fittings, no re-wiring and was completed with minimal delay and disruption...as simple as re-lamping!

The time taken from initial contract award to project completion took less than 3 weeks. All sites now enjoy the advantages of T5 fluorescent lighting and significant savings in energy, cost and greenhouse gas.

With the high level of savings and low cost of implementation the City of Sydney are now realising a high return on their wise investment in energy saving technology.



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