

# Case Study

## CURRUMBIN RSL, QUEENSLAND

### CHALLENGE

Currumbin RSL is a community based organisation established to serve the interests of its members, veterans, the ex-service community and members of the Australian Defence Force. Established in 1947, the current two storey building opened in 1977. Currumbin RSL has been working with the local community for over 60 years.

In Jan 2010, Currumbin RSL embarked on a commitment to environmental sustainable business practices to provide environmental, social and economic benefits. The Club's Environmental Sustainability Officer, Brian Colwell, is responsible for this ongoing project.

"By reducing our energy, water and waste the club will 'future proof' itself at a time where these issues are becoming an important concern both locally and globally," said Brian. "We sought ways to reduce our environmental impact without compromising economic performance."

As part of this initiative, Currumbin RSL identified lighting as a key area for energy reductions.

### SOLUTION

In May of 2010 Ilum-a-Lite was engaged to implement energy saving measures throughout kitchens, storage areas and offices, saving a total of 8 tonnes of CO<sub>2</sub> per annum.

Soon after, Currumbin RSL and Ilum-a-Lite began discussing energy reduction lighting solutions for front of house. These discussions centered on LED replacements for all the 50 Watt downlights. Currumbin RSL saw these lamps as a major energy consumer and maintenance problem.

The club had strict criteria for the lamps and for approximately 6 months trialled a number of brands of LEDs with limited success. None met their specific requirements.

In October of 2010 Ilum-a-Lite presented Currumbin RSL with its 3W Dimmable LED which provided all the functionality required. The LED was compatible with the existing lamp holder and after extensive trials, the decision was made to proceed with the purchase and installation of these lamps in many of the public areas.

"The decision to purchase this particular lamp was based on suitability to the application, service, warranty and value for money," said Brian.

### RESULT

Installation was completed in March 2011, providing a saving of 82 tonnes of CO<sub>2</sub> and a financial return on investment of 14 months (supply only) including ongoing energy savings and a significant reduction in maintenance issues.



Approximate annual savings	\$14,800
Approximate investment	\$17,500
Approximate payback	14 months
Greenhouse gas savings per year	82 tonnes CO <sub>2</sub> equivalent



TOWARDS A MORE SUSTAINABLE WORLD