



Chamaeleon
Original



Case Study: Southbank Apartments, Brisbane National Energy Efficiency Award Winning Project

Project Overview

A standard & emergency Chamaeleon LED light retrofit of T8 fluorescent batten lighting in the underground car park & fire stairs of the 93 apartment complex on the Brisbane River contributes to a National Energy Efficiency Award win for electrical contractor Briett Thiedeke.

Combined with a wider scope of upgrade works including lifts, exhaust fans, HVAC, pool pumps, garden & pool lighting a 30% reduction in TOTAL common area electricity usage was achieved from 2012-15.

The car park and fire stair lighting upgrade was part of a wider energy management project that was instigated by Brett Thiedeke.

Brett has been the site's electrical contractor for 10 years including planned & reactive electrical maintenance, which enabled him to develop a strong understanding of the building's operating costs and opportunities for improvement.

The extensive project which also included HVAC controls, data logging, car park exhaust fan timer clocks, garden & lobby lighting upgrades was recognised as State Energy Efficiency Project Winner by Master Electricians QLD in October 2015 and NATIONAL winner a month later.

"We are very pleased with the Chamaeleon light installation in the 4000m² underground car park of our South Brisbane apartment complex. In addition to the significant energy cost savings, the area is noticeably cooler."

George Hallinan,
Resident Manager

FAST FACTS

Project Payback:
ROI: 3.4 years

Savings:
Energy Saved:



Electricity Saved:
52,020 kWh pa

Total: **\$212,259**
Energy & maintenance over 10 years

Savings per fitting:
\$119 pa
Avg annual energy & maintenance saving over 10 years

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The Solution

No failures were recorded at the first 6 monthly emergency lighting battery discharge test since the lighting upgrade, which has delivered an annual \$10K saving in replacement parts & labour.

The Owners Corporation received an Energex Positive Reward payment of \$1771, in recognition of the site's contribution to peak load reduction across its network.

About enLighten

Our passion is delivering energy savings through intelligent LED lighting solutions.

We are a privately owned Australian innovation company. The enLighten product range is designed by us and manufactured exclusively for us.



National Energy Efficiency Project winners



Chamaeleon light in undercover car park

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Southbank apartments fire stair installation



National award winner - best energy efficiency project

