



enLighten

Innovation in Lighting Solutions

Chamaeleon
Original



Case Study: Iora Apartments, North Sydney

My Green Apartment car park & fire stair lighting upgrade

Project Overview

The Iora Apartments are a premium apartment complex on Sydney Harbour comprising of 81 apartments, townhouses & penthouses over four blocks in North Sydney.

In 2013 the Executive Committee members participated in a North Sydney Council run "My Green Apartment" program, which offered assistance in identifying opportunities for energy efficiency upgrades. Lighting design assistance was provided through the program.

The project was run in 2 stages - fire stair and car park driveways were completed in Nov 2014 with the individual garages completed in June 2015. The existing fluorescent

lighting in the underground car park driveways & lift lobby ran 24/7 without any controls and in the garages approximately 4 hours per day. Many fittings were de-lamped from a twin to a single batten

enLighten Australia was selected as the installation contractor and the Energy Savings Certificate process (generation and sale) was managed by Accredited Certificate Provider Ecovantage.

"The lighting upgrade project showed our building's electricity costs dropping by 50%, representing \$24K pa- a good set of numbers! This points to the old garage, foyer and fire stair lighting being a very large proportion of the old bills."

Bill Thomas
Former Executive Committee Chair

FAST FACTS

Project Payback:
ROI: 2.2 years

Savings:
EnergySaved:

90%

Electricity Saved:
120,236 kWh pa

Total: **\$414,630**
Energy & maintenance over 10 years

Savings per fitting:
\$215.90 pa
Avg annual energy & maintenance saving over 10 years

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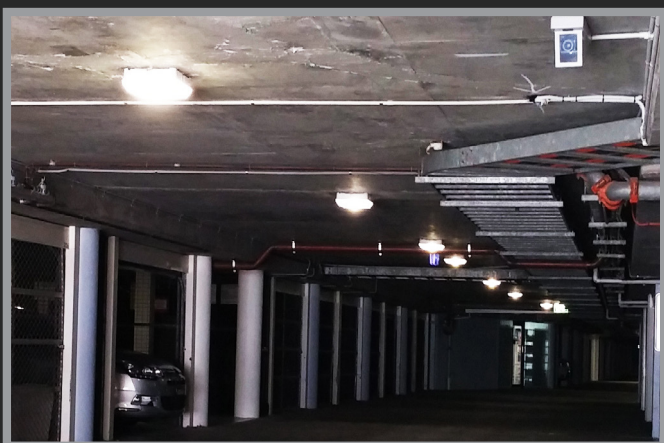


The Solution

An 8 chip emergency Chamaeleon light operating on full light output (28W) and standby (7.5w) was selected to replace twin 18W fluorescent battens that operated 24/7 without any control within the enclosed fire stairs.



Chamaeleon light in undercover car park lift lobby



Chamaeleon light operating in full light output (31W) in foreground & standby (7.5W) in background

The integrated motion sensor and a combination of 10 chip emergency & standard Chamaeleon lights for the car park entry, ramps & driveway areas replaced twin 36W fluorescent battens, of which around half had been delamped.

For the individual garages, a Chamaeleon light with no standby light output was selected



Chamaeleon light in undercover car park

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.

www.enlighten.com.au

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