



Chamaeleon
Original



Case Study: Abode Apartments
Fire stair & car park LED retrofit



Fire stair corridor chamaeleon lights

Project Overview

19 story luxury Sydney high rise residential strata complex achieves 91% energy savings in Chamaeleon retrofit of fire stairs and underground car park and is eligible for over 30% project funding rebate from NSW Energy Savings Scheme.

The existing lighting in the fire stair areas was a mixture of 36W single and double T8 fluorescent fixtures driven by electronic and magnetic ballasts. The lights operated 24/7 and had no energy saving controls. The majority of the existing car park lighting was fitted with occupancy sensors.

"We were very pleased with the immediate energy savings results from this project. Our residents were very keen to try the Chamaeleon and feedback has been that the light levels were better than they had anticipated."

Scott Adams
Building Manager

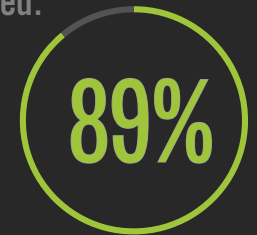
FAST FACTS

Project Payback:

ROI: 1.9 years
(with ESC certificates)

Savings:

Energy Saved:



Electricity Saved:

185,950 kWh pa

Total Energy & maintenance savings over 10 years:

\$114,937

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1800 365 444



The Solution

452 fluorescent tubes were replaced with 313 Chamaeleon lights. A combination of wall and ceiling mount emergency 10 chip Chamaeleon lights were installed in the fire stair areas which required 24 hour lighting and a mixture of standard and emergency Chamaeleon lights were installed in the car park.

Post installation lux level readings revealed an average lux level on the stair floor level in the painted basement fire stairs of 123 lux, well above the Standards requirement of 80 lux. Similarly, the average car park lux level was 71.3, almost double the standard 40 lux requirement for the car park parking bay areas.

Maintenance savings contribute to the project ROI and are calculated by costing maintenance access, no. of lamps replaced, no. of control components replaced (ballasts, starters, transformers), disposal and emergency battery costs.

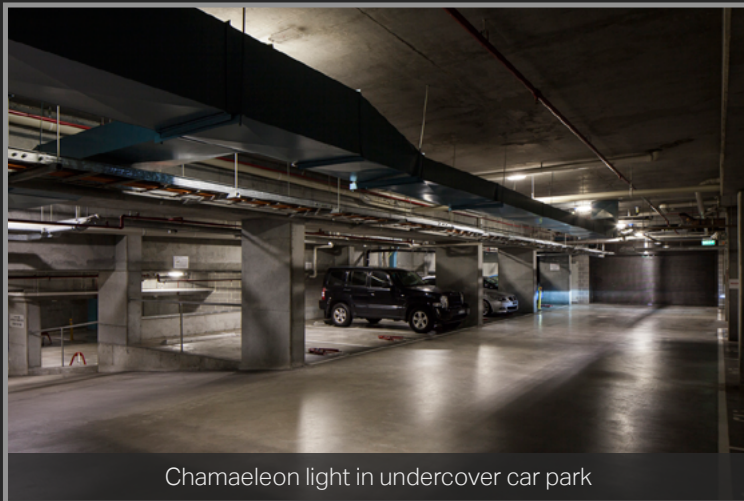
About enLighten

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.

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Chamaeleon light in undercover car park



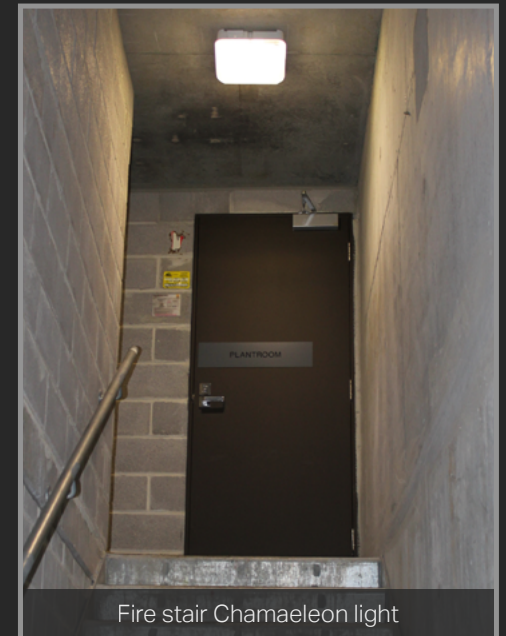
Chamaeleon light in full light mode



Car activates motion sensor to trigger Chamaeleon light



Chamaeleon light in standby mode



Fire stair Chamaeleon light

