



enLighten

Innovation in Lighting Solutions

Chamaeleon
Original



Case Study: Local Government

Parramatta eliminates lighting waste

Project Overview

Parramatta Council saves 88% in lighting energy consumption through replacement of T8 fluorescent tube lighting with Chamaeleon LED light with integral microwave sensor across four car parks and Administration building.

A Parramatta Council commissioned an independent Level 2 energy audit from Environ Australia listed three of Council's four multi-level carparks amongst Council's top ten energy using sites.

Traditional fluorescent lighting with simple on/off switches were the principal source of the car parks' energy consumption, and lights were frequently left on after closure. In the Council administration building fire stair, the emergency lighting consisted of one T8 and one T5, as twin T5s could not operate as emergency lighting.

"We were very happy with the energy savings results of the lighting upgrade. On the strength of the car park lighting upgrade results, we have since installed Chamaeleon lights in all four multilevel carparks, our main administration building and the Parramatta Library."

Councillor John Chedid
Lord Mayor

FAST FACTS

Project Payback:


ROI: 4.1 years
(excluding maintenance savings & Energy Savings Certificates)

Savings:

Energy Saved:

88%

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The Solution

Single ceiling mounted 10 chip emergency Chamaeleon lights were installed in the fire stairs, replacing twin 36watt T8 fluorescent tube fittings, operating 24/7 without controls. A total of 173 lights were installed across the 4 car parks in the car park fire stair areas.

The overall project lighting energy savings were 88%, representing a 4.1 year payback.

The payback figure calculation was inclusive of product supply and installation costs and exclusive of the maintenance savings and the value of potential Energy Savings Certificates generated by the project.

The energy savings are delivered by the Chamaeleon light's patented dual circuit design. This enables the light to operate on

a standby mode, drawing 7-9 watts, whilst the area is unoccupied, increasing to full light output (28-32 watts) once a presence is detected via an inbuilt microwave occupancy sensor. The Chamaeleon's adjustable inbuilt microwave sensor settings allow for flexibility in timing and proximity to suit the area of use.

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.



Hunter St car park fire stair - Chamaeleon light in full mode



Hunter St car park fire stair - Chamaeleon light in standby mode



Wentworth St car park fire stair - Chamaeleon light in full mode

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