



enLighten

Innovation in Lighting Solutions

Chamaeleon
Original



Case Study: University of Technology Sydney City Campus

Retrofit delivers increased efficiency and power reductions

Project Overview

Replacement of T8 fluorescent with Chamaeleon multi function LED lights achieving a 92% energy saving and 1.4 year ROI.

The existing lighting in the Ultimo Campus Building 10 fire stairs was an emergency double 36W T8 fluorescent fixture driven by magnetic ballast. The lights operated 24/7 and had no energy saving controls.

The fire stairs were alarmed and were extremely low use areas visited primarily by security staff. The fire stairs accessed each floor and the car park and were ideally suited to the Chamaeleon light, which operates on a standby level of light during unoccupied periods.

"We were very pleased with the immediate energy savings and payback results from this project and have recommended specification of the Chamaeleon for fire stair retrofits across both the upcoming campus wide lighting upgrades and for the City Campus new buildings"

Facilities Management Office, UTS

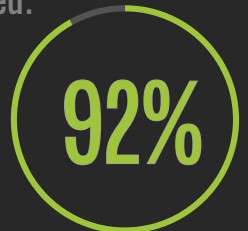
FAST FACTS

Project Payback:

ROI: 1.4 years
(including Energy Savings
Certificates)

Savings:


Energy Saved:



Electricity Saved:

23,715 kWh pa

www.enlighten.com.au

 1800 365 444



The Solution

T8 fluorescent fixtures were replaced with Chamaeleon emergency lights, generating average lighting levels of 95 lux, which were above Australian standard AS1680 requirements of 80 lux.

Electricity consumption data logged by enLighten Australia indicated a 92% reduction in electricity usage across the fire stairs.

The Chamaeleon installation also resulted in an average 6% increase in power factor. Power factor improvements indicate an

increased efficiency in the lighting circuit and translates into future reductions in the electricity network provider's kVA energy demand charge.

Based on the strength of the project results, UTS implemented a wider rollout of Chamaeleon retrofits of fire stairs and installations in new building construction across other buildings in the Ultimo Campus.

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.




Fire stair - Chamaeleon light in full light mode



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