



**enLighten**

Innovation in Lighting Solutions

Chamaeleon  
Original



Tauro Blu



## Case Study: Shopping Centres Australia

### Undercover car park LED lighting upgrade delivers results

#### Project Overview

Undercover car park LED lighting upgrade of twin T5 fluorescent battens delivers 77% energy savings in parking bays, driveways and car park entry areas.

The existing T5 fluorescent lighting in the undercover car park level of the Woolworths shopping centre in the South Eastern Brisbane suburb of Coorparoo operated 24/7 with no controls. Similarly in the car park entry, twin 28W T5 fittings were installed in the 10 year old centre, which had been retrofitted in 2012.

Operations Manager, James Dwyer of Jones Lang Lasalle (JLL) investigated lighting upgrade options when a large percentage of the T5 lights were failing. James was looking for a solution with a longer life span than the average 2 years for the T5 lighting, thereby reducing lamp replacement & maintenance costs.

*"The Chamaeleon fitting is perfectly suited to our undercover car park operation and I have received an immense amount of positive feedback from the tenants."*

*Completing the unbudgeted Capital Expense application was made extremely easy as Tony assisted with providing a very detailed ROI which in turn impressed the owners and my application was approved."*

*I am planning to retrofit another shopping centre's undercover carpark lighting with Chamaeleon fittings in early 2015."*

**James Dwyer**

**Operations Manager, Jones Lang Lasalle**

## FAST FACTS

**Project Payback:**

**ROI: 2.7 years**

**Savings:**

**Energy Saved:**

**77%**

**Electricity Saved:**

**30,504 kWh pa**

**Savings per fitting:**

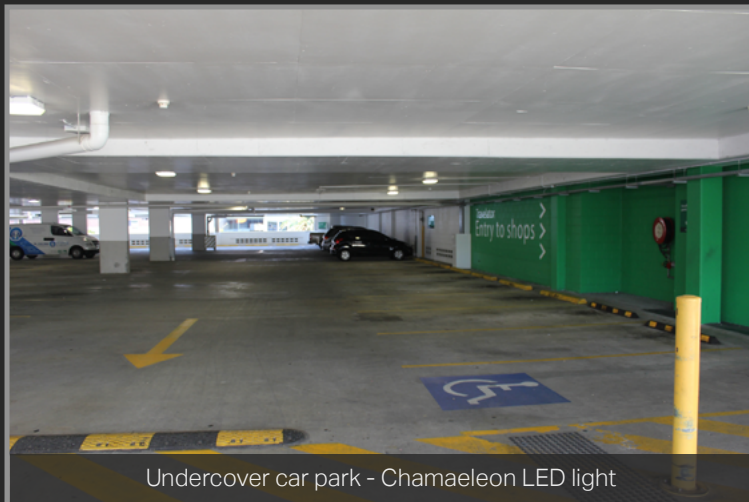
**\$45 pa**

**[www.enlighten.com.au](http://www.enlighten.com.au)**

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## The Solution

The patented Chamaeleon light, designed manufactured and supplied by enLighten Australia features an integral microwave motion sensor which instantly switches the light from standby light output (8 watts) to full light (35 watts) for a set period of time (15 seconds to 5 minutes) before returning to standby mode.



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A 12 chip standard Chamaeleon light was installed in all parking bays with additional permanently on models and lights with side emitting optical lenses to ensure good visibility installed on driveway areas approaching a turn. All lights were replaced on a 1 for 1 basis.

A 90W 2 module Tauro Blu LED low bay light from enLighten Australia was installed in the car park entry, which represented a net increase in energy consumption compared to the existing T5 fixture (68W including ballast). This was necessary to improve the light levels in this area.




## 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](http://www.enlighten.com.au)

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