enLighten | Innovation in Lighting Solutions

Chamaeleon Original

Case Study: Australian Technology Park, Sydney

Emergency lighting upgrade

Project Overview

Emergency LED Lighting retrofit delivers 91% energy savings for commercial office building at Sydney's Australian Technology Park.

The board of the Australian Technology Park Sydney Ltd approved a lighting upgrade to further improve the 5½ NABERS rating and achieve energy and maintenance cost savings.

Lighting technologies installed were pole mounted external induction lighting, LED tube lights for non emergency car park lighting and enLighten Australia's Chamaeleon emergency LED lights for fire stairs, car park and plant room areas.

The six story commercial office building was developed on the site in 2008. The building is tenanted by government agencies National Information & Communications Technology Australia (NICTA), which holds signage rights, Defence Science & Technology Organisation (DSTO) and NSW Roads & Maritime Services.

The NICTA building received a 4½ star NABERS energy rating in 2010, which improved to 5½ stars by 2012 following works to improve the BMS optimisation and air conditioning efficiency. In 2013 the board of Australian Technology Park Sydney Ltd approved a lighting upgrade to further improve the NABERS rating and achieve energy and maintenance cost savings

"The decision to go with the Chamaeleon light was as a result of the strong performance of the previous installation of Enlighten Australia's LED tubes in external walkways in late 2010. The LED lights are delivering energy savings of close to 60%, compared to the former fluorescent fittings."

Gary Love
Manager for Sustainability and Volunteering

FAST FACTS

Project Payback:

ROI: 1 year

Savings:

Energy Saved:

91%

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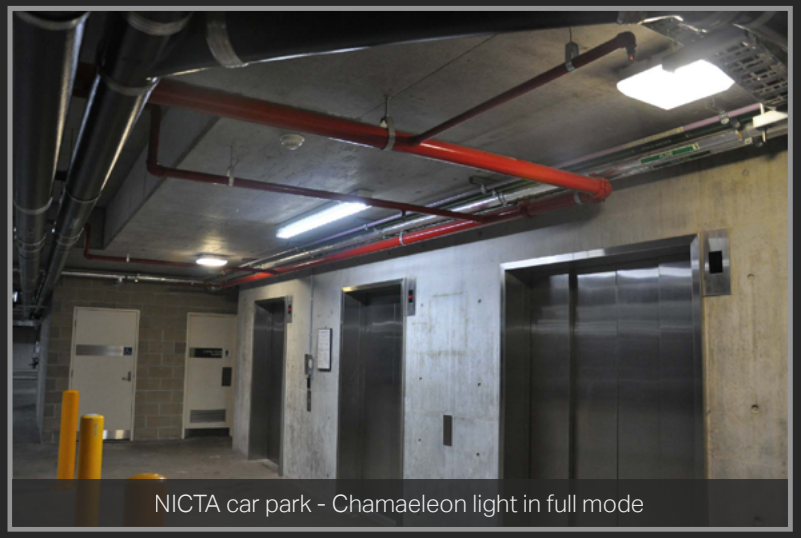
The Solution

In the fire stairs wall mounted 10 chip emergency Chamaeleon lights replaced existing twin 36 watt T8 fluorescent tube fittings, which operated 24/7 without any controls. Similarly, in the single level basement car park, ceiling mounted emergency Chamaeleon lights replaced existing emergency fluorescent tube lighting.



NICTA car park - Chamaeleon light in full mode

NICTA car park - Chamaeleon light in standby mode

A combination of standard and emergency Chamaeleon lights were installed in the roof-top plant rooms. The microwave sensor timer settings were increased to the maximum of 5 minutes by the installation contractor, as technicians were often in the area working for extended periods of time, compared with fire stair or car park visitations. The Chamaeleon's sensor settings allow for flexibility in timing and proximity to suit the area of use.

Chamaeleon light in rooftop plant room

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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