

Chamaeleon III



Case Study: SA Pathology: Hansen Institute for Cancer Research

Fire stair lighting upgrade

Project Overview

Adelaide Consultants Sustainable Focus advised SA Pathology on energy efficient lighting upgrade options for the existing single and twin T8 fluorescent tube lighting in the fire stairs and plant rooms of their Adelaide clinical laboratory & research facilities. The Chamaeleon III light was selected over LED battens with microwave sensor due to its energy savings and the additional features of self test.

Adelaide's Hansen Institute for Cancer Research, owned and managed by SA Pathology and housing clinical laboratory and research facilities, is among the first customers of enLighten's new

Chamaeleon III light.

Adelaide consultants Sustainable Focus, who have extensive knowledge of Energy System Optimisation, advised SA Pathology on energy efficient lighting upgrade options. Lighting and Energy Consultant, Matthew Martin assessed a number of LED technologies for the fire stair and plant room upgrade of existing standard and emergency fluorescent batten technology.

Existing lighting in the stairwells were separate general and emergency luminaires installed next to each other on each landing level. The stairwells were used regularly between 9-5.

"We went with the Chamaeleon light over lower cost options due to the maintenance features, Our ability to carry spares and have an on-site handyman replace the light fittings or emergency battery without having to disconnect the power was a great tick for us & a future proofing of the lighting system."

We researched the company & had confidence in their Australian presence as the manufacturer, that they would be around to service / support our investment in the long term."

Matthew Martin
Lighting & Energy Consultant

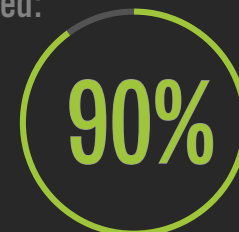
FAST FACTS

Project Payback:

ROI: 2.4 years

Savings:

Energy Saved:



Total Energy & maintenance savings over 10 years:

\$148,215

Savings per fitting:

\$188 pa

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 1800 365 444



The Solution

66 standard & emergency Chamaeleon III's were installed, replacing 103 fluorescent fittings (including 27 non maintained 10W T8 battens) & meeting the 80 lux requirements for AS 1680 compliance.

The Chamaeleon III's additional self test features enables each emergency light to run a monthly battery discharge test without interrupting the normal operation of the light. The test status is

visible via a multicolour indicator & allows the building manager easier scheduling of battery changeover within the 6 monthly reporting requirements.

The project offered an attractive payback as there was a 1 for 2 replacement of light fittings in the fire stairs which halved the number of luminaires, resulting in ongoing energy and maintenance savings.

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.

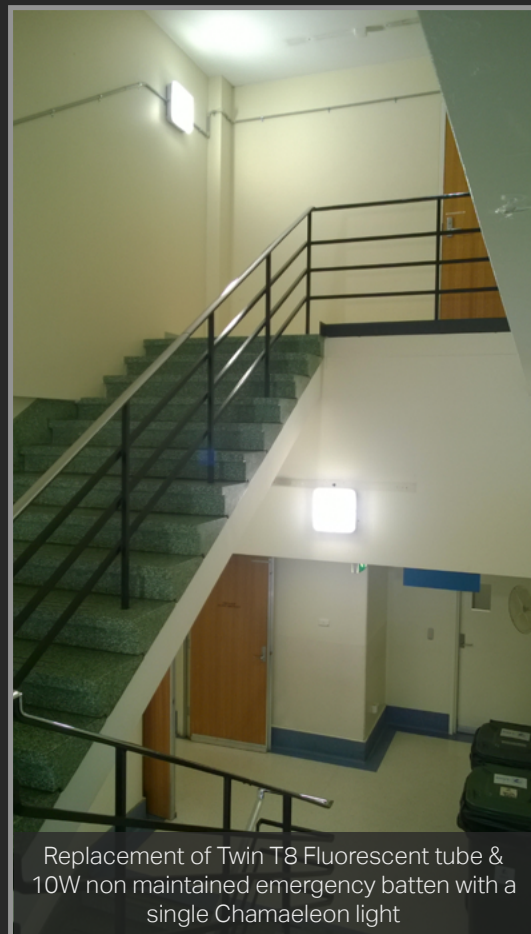
Chamaeleon III wins IES Award of Excellence



2015
NSW Award of Excellence
Luminaire Design

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Replacement of Twin T8 Fluorescent tube & 10W non maintained emergency batten with a single Chamaeleon light



Internal fire stair with Chamaeleon LED light



Hansen Institute for Cancer Research

