

Goulburn Street
Fire stairs, Oct 2018



EXPERTISE AND KNOW-HOW

enLighten is an Australian-owned LED company formed in 2008. It is a multi-award winner for innovations in LED lighting and integrated controls. enLighten is a leading specialist lighting manufacturer and supplier, and, to date, it has helped save customers \$44.5 million in cumulative energy savings. enLighten is supporting Australian businesses through practical lighting innovations. Its solutions are designed to enhance safety, maximising energy savings and create lighting solutions that are easier to install and maintain.

Innovation is in the company's DNA and is reflected in everything it does. enLighten has helped shape the industry and has informed changes in the *Building Code of Australia*. Working at the forefront of innovation can have its drawbacks of being told initially it can't be done, but we all know innovation brings disruption with it.

"Using the principal of designing lights around how people interact with the space allowed us to achieve a unique product that reduced energy consumption by 93 per cent," enLighten CEO Steve Cahill explains.

"This achievement resonated more this year when the proposed 2019 update to the *Building Code of Australia* mandated sensor lights in fire stairs. This is a remarkable achievement when I recall introducing the Chamaeleon to the marketplace in 2010 and hearing people express concern about having sensor lights in fire stairs and whether or not it would comply."

enLighten has a customer-centric approach to selling lights. The company supports customers with training programs, spacing guides and technical information to help contractors easily

select the right lights for their projects. It has a dedicated in-house lighting design team that customises lighting designs, guaranteeing compliance with the Australian Standards while meeting or exceeding the customers' operational requirements.

enLighten has sales staff in Queensland, Victoria, New South Wales and South Australia, offering a lighting product range that is available nationally through all major electrical wholesalers. All products are covered by a minimum five-year warranty.

REVOLUTIONISING EMERGENCY LIGHTING

enLighten has redefined the way low-occupancy spaces are lit in order to gain maximum energy savings while maintaining safety and the emergency functionality. After two years of R&D and commercial trials, enLighten launched its patented Chamaeleon light in late 2010, which revolutionised emergency lighting in fire stairs, corridors and car parks.

"It is very satisfying to achieve what people said could not be done," Mr Cahill says.

"We were the first company in Australia to design and develop a standalone microwave motion detection emergency luminaire for low-occupancy

"Using the principal of designing lights around how people interact with the space allowed us to achieve a unique product that reduced energy consumption by 93 per cent."

spaces, which saw the launch of the Chamaeleon. These lights have been installed in thousands of high-rise properties across the country, delivering to our customers an early return on investment via the massive energy and maintenance savings, while helping to improve their safety and comfort."

SMART CONTROLS

In addition to emergency lighting, enLighten has continued to innovate across a broad range of lighting products. It focuses on maximising energy efficiency by incorporating controls in many of its products, while ensuring compliant lighting levels are always maintained.



LEADING THE WAY IN INNOVATION



Harbourside car park, Darling Harbour



Chamaeleon III



Chamaeleon Original



Chamaeleon Eco



Chamaeleon Deco

Smart lighting solutions for fire stairs, undercover car parks, corridors, lobbies

"Many of our clients find our sensor lights spend a large period of time either off or dimmed," Mr Cahill explains. "They have been designed

to utilise natural daylight and respond instantly to movement, making them ideal for areas that are occupied infrequently."

A good example of the incorporation of smart controls is the development of Australia's first wireless car park entry system. This solution provides a cost-effective way for building owners and managers to ensure the car park entry is compliant with AS1680.

Compliance in this area is often not fully understood. The lighting levels within the transition area need to be automated so they can deliver the appropriate level of light essential in maintaining safety during the transition into the car park from the outside. The *Building Code of Australia* recognises car park entrances as a dangerous place and, as a result, has specified lighting levels during the daylight time (800 lux) and at night (160 lux). This reduces the effects of temporary blindness as drivers enter the carpark.

Other examples are a high-bay workshop installation for TransGrid for its iDemand project. This project involved incorporating a wireless control and the connection of the lights directly to a DC electricity supply.

Another example is Harbourside Car park in Sydney, where a radar sensor

incorporated with wireless controls ensure that the lights in the carpark are effective in lighting the full length of the driveway in very large car parks.

HOW LONG DO LED LIGHTS LAST?

"One of the questions we repeatedly heard in 2009 when we were discussing LED lighting with clients was how long would they last," Mr Cahill says.

"At the time we thought it would be at least five years. One of the advantages in being a pioneer in the commercial LED lighting industry is that we have LED lights that were installed back in 2009 that are still operating. Goulburn Street car park fire stairs is an example of this. The first Chamaeleons were installed in February 2011 and eight-and-a-half years later they are still going strong."

WORKING WITH CONTRACTORS

enLighten's first fixture design included functionality to assist the contractor in easily installing the light. Contractor feedback is vitally important to enLighten; with this information it has been able to make its lighting range as easy, safe and cost-effective as possible during installation and commissioning of the controls.

Innovation is at the heart of every design. This can be seen in the SmartConnect base for the Chamaeleon, which has a battery drawer so the light does not need to be dismantled when

replacing the battery. The company uses large terminal blocks to assist with connecting multiple cables and gear trays that are simple to remove without specialist tools.

"To assist contractors in setting up the controls for the lights, we provide remote controls or apps for those with smartphones, so they don't need to adjust the control parameters directly within the light," Mr Cahill says.

enLighten holds regular training sessions for contractors at its head office in Artarmon, NSW, as well as at industry trade shows, seminars and in store at wholesale branches.

Spacing tables and heat maps have been developed to enable contractors to easily select the most appropriate lights for their clients, and enLighten's lighting designers are always available to provide that extra level of design support.

For more information or to see the company's full product range, visit www.enlighten.com.au. ■

Inhouse contractors event, March 2018



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