



Case Study

The Background

Mezzo Sydney is a residential development located in the suburb of Glebe, which includes a large underground carpark. The existing fluorescent 2x28W T5 battens that were installed in the carpark were inefficient and the maintenance cost were growing due to the NiCd batteries used in the emergency fittings.

The Building Manager Constantine Ponus called Clevertronics for a solution and QSX worked together with Clevertronics to provide a proposal on upgrading the Standard and Emergency Lighting. The upgrade requirements included LED Weatherproof battens with motion sensors, lithium battery technology and IPART approval.

The Challenge

One of the major challenges the speed of installation required due to the Australian Fire Safety Statement needing to be renewed in 3 weeks and significant maintenance cost were required on the existing system. QSX Project Management and Clevertronics quickly understood the clients' requirements and detailed a plan with the correct product selection and installation and testing requirements.

The Solution

The solution was a full carpark and fire stair upgrade using the Argo range of LED battens in standard and emergency versions within the required 3-week time frame. The client required a product that had the same lumen output as the standard 2x28W T5 Batten, and the ARGO product was perfectly suited to provide this lighting outcome. The Clevertronics LED Argo battens ticked all the boxes and also had the IPART approval to provide savings through the NSW energy credit scheme.

One key criterion was the lithium batteries and Constantine was impressed with the increased service life capabilities of the EL Argo battens compared to the regular maintenance of the NiCd battery. The maintenance savings for this project, which was detailed in the Clevertronics cost savings

Project Name

Mezzo

Location

Sydney, NSW, Australia

Industry Application

Multi-level

Project Type

New Emergency Lighting Installation

Year

2020

Construction Consultant

QSX

Product Range

Economy

Products Featured

Argo Weatherproof Batten/Linears

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calculator tool was \$141,000 over a seven-year period.

The Result

Now installed and operating as expected, the energy savings realised from the LED lamps and motion Sensors is 35%. The battens for the carpark were set to turn off after dimming and the driveway dimmed at 10% so there is enough light in the carpark when occupants are arriving or leaving. The emergency Battens from Ni-Cad batteries to Lithium will provide significant maintenance and replacement saving over the seven-year timeframe.

Find Out More

Mezzo is another quality project delivered by Clevertronics. If you would like further information about this case study or are interested in understanding more about Emergency and Exit lighting within your building, contact Clevertronics for a site audit, demonstration, and cost analysis report.

