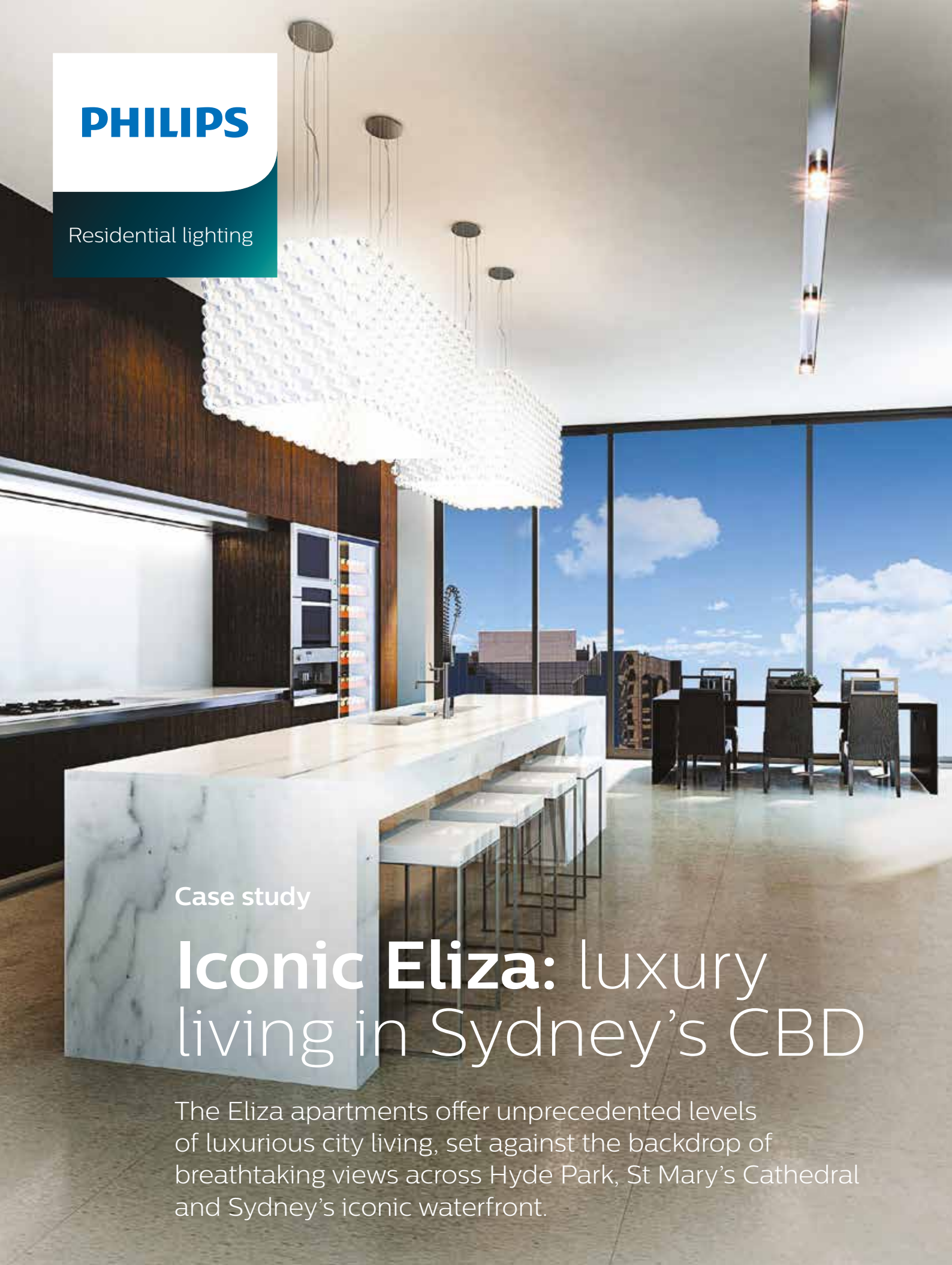

PHILIPS

Residential lighting

Case study

Iconic Eliza: luxury living in Sydney's CBD

The Eliza apartments offer unprecedented levels of luxurious city living, set against the backdrop of breathtaking views across Hyde Park, St Mary's Cathedral and Sydney's iconic waterfront.

Background

The design of any successful development needs to work in harmony with its surroundings, complementing its setting while also being enhanced by it. When developer Ceerose embarked on an apartment-block project on Elizabeth Street in the heart of Sydney's CBD, the location itself called for the company to draw deeply from its well of expertise to match the completed residences to their high-profile location.

The design work for The Eliza began in 2012, with final completion achieved in May 2014. The 19 apartments span 17 aboveground stories, with an additional six levels of basement parking and storage. Floors one to five each accommodate a pair of two-bedroom, two-bathroom apartments, while from floors six to thirteen a four-bedroom, four-bathroom apartment takes up each entire level.

The Eliza's crowning glory is the palatial four-bedroom, six-bathroom apartment, described as Sydney's most jaw-dropping penthouse. Covering three entire floors – levels 14, 15 and 16 – the 470-square-meter penthouse redefines opulence, with 3.8m-high ceilings, expansive and classically proportioned rooms and nothing but the finest details, materials and appliances.

The challenge

As well as matching the apartments to the expectations of its debonair address, Ceerose also faced the challenge of incorporating sophisticated lighting and automation controls to these apartments in a way that complements the overall design ethos. Such a system needs to be intuitive, elegant and unobtrusive, yet have the necessary functionality and flexibility to meet the wide-ranging needs of all the prospective residents.

Sydney-based Automated Electrical Solutions (AES) won the contract to supply and commission the automation and lighting controls by recommending the use of a Philips Dynalite control solution. AES Managing Director, Joe Joukhadar, explains that this decision was based on the reliability and high levels of functionality that the Dynalite platform offers.

The Dynalite system has a proven record achieving flicker-free LED dimming and also features an inbuilt energy management system that is one of the most advanced and reliable on the market. Moreover, Dynalite supports high levels of customization and integration, enabling the commissioning engineer to tailor completed systems to meet the exact requirements of the end-user either during installation or at a later time.

The solution

The Philips Dynalite solution uses standalone systems for each apartment, with the robust DyNet network used to connect the various elements together. Dynalite DDMC802-GL multipurpose controllers – fitted with trailing-edge dimmer modules – manage the predominantly LED lighting, with additional DDLED605 controllers employed to control colored LED strip lights.

A combination of Dynalite DDRC1220FR-GL and DDRC810DT-GL relay controllers manage floor heating, heated towel rails, exhaust fans, air conditioning, fireplaces, automated blinds and louvres, and lighting for the penthouse's swimming pool lighting. Third-party integration, including interconnection between the lighting and entertainment systems, is achieved through the use of RS232 gateways.

For that extra touch of refined chic, the celebrated Dynalite Antumbra user interfaces (UIs) were used

> **“We are passionate about meeting our customers’ precise requirements** and Philips Dynalite offers the best automation system currently available to achieve this: the functionality and ease-of-use simply cannot be beaten.”
>
> **Joe Joukhadar, Automated Electrical Solutions Managing Director.**

throughout The Eliza, finished in white and featuring an aluminum surround and customized labeling. Not only are these UIs beautiful to behold, but behind their simplistic elegance resides the absolute pinnacle of UI technology available today.

Flush-mounted 360-degree Dynalite DUS804C ceiling sensors detect both light levels and occupancy, enabling lighting pathways to be automatically activated and sophisticated daylight-harvesting solutions to be employed in specific areas. The finished system was commissioned using Dynalite EnvisionProject software, with a number of standard lighting scenes preprogrammed, including ‘Day’, ‘Afternoon’, ‘Party’, ‘Relax’, Good Night’, ‘House Off’ and ‘Welcome’. These can be fine-tuned to match individual requirements and more scenes added as required by the apartments’ owners.

Benefits

The Philips Dynalite system with its hassle-free installation, fault-free operation, functionality and flexibility, have impressed Ceerose. Simple inclusions, such as the five-year warranty on all products supplied and commissioned by AES, ensure that Ceerose is keen to include Philips Dynalite control systems in future developments.

The Dynalite automation system perfectly complements the sophistication of the apartments’ overall design, adding value and creating a ‘wow’ factor without distracting or detracting from the overall architectural impact. Above all, the Dynalite system has been devised for simplicity of use: the system’s functionality exceeds what most users could ever imagine, yet its intuitive design ensures easy operation from the first time a person walks into one of these stunning apartments.

The overall effect is something rather special: the location, architecture, design, layout, integration and convenience all work together to make The Eliza a unique opportunity for luxury city living at its very best.

Fast facts

Project:
The Eliza

Location:
141-143 Elizabeth Street, Sydney, Australia

Owner & developer:
Ceerose

Architects:
Tony Owen Partners

Automation supply and commissioning:
Automated Electrical Solutions

Products:
DDMC802-GL 8-channel Multi-Purpose Controllers with Trailing Edge dimmer Modules, DDRC1220FR-GL 12-channel relay controllers, DDRC810DT-GL 8-channel relay controllers, DDLED605 6-channel LED dimmer controllers, AntumbraButton User Interfaces, DUS804C 360-degree flush-mounted ceiling multipurpose sensors, DDTC001 timeclock, DNG232 RF232 network gateways, EnvisionProject commissioning software

www.philips.com/dynalite

CS0103-1114-AZZAUS-1K