

Hospitality and Gaming Industry Light Fittings and Custom Architectural Features

DINNER BY HESTON



CROWN PERTH BALLROOM

If you can dream it, we can build it

Aglo Systems designs and develops unique creations to your specification

Our in-house creative design department consists of a dedicated team of Mechanical Engineers and Industrial Designers. They utilise Solidworks to create 3D designs and Keyshot to generate photo realistic renders to help you visualise your idea.

Our client's briefs can be varied such as a loose idea or sketch on the back of an envelope through to fully detailed architectural drawings. Our portfolio of work range from boutique projects to 5 star hotels and casinos.

We are dedicated to supplying a quality product on time and on budget. Our Custom Manufacturing team will work with you to select the most suitable materials and manufacturing methods to match your ideas with your budget.

The Aglo Systems custom manufacture scope of work is greater than just lighting projects. We can develop practically any architectural features you can think of, and have developed bespoke non-lighting items such as drawer handles, feature mirrors, decorative metal work, screening and seating. The breadth of what we can develop for you is only limited by imagination.

CASE STUDY

Grand Ballroom Flower Pendants Crown Perth

Scope

Aglo Systems has worked with Crown Melbourne for over 5 years and was commissioned to engineer and manufacture the Grand Ballroom Flower Pendants and several other custom built pieces for the new Crown Perth re-development. We worked in parallel with Bates Smart and Electrolight to deliver the project.

Constraints

The design solution needed to incorporate and address the following:

- A cost effective design
- 9 x 6m and 36 x 3m diameter chandeliers
- Polished mirror gold finish
- Meet specified light output
- RGBW LED and DMX colour control
- Work with the weight limitations of ceiling structure

Supplied concept

The initial concept drawings were supplied to Aglo Systems by Bates Smart as part of the brief.

Prototype design and development process

The Aglo Custom Manufacturing team developed the original Bates Smart concept into 3m and 6m wide versions. The team then faced several challenges along the way in trying to balance all the requirements of the brief and with fabricating such a large item.

A combination of stainless steel for strength and aluminium – which were vacuum plated in mirror gold finish – was used in the main structure to reduce weight load. As a further weight reducing method, rotomolded spheres rather than glass were used for the diffusers. After preparing shop drawings, a full size 6m prototype was constructed to test the assembly and operation.

The prototype allowed for extensive testing. Planning for installation was the next challenge to overcome as access to the fittings from above would be limited. For the stability of the design, the luminaire had to be assembled and tested at ground level before being lifted into position as a complete piece. With such a delicate structure, even cable reticulation posed difficulties with over 100 separate connections to be made during assembly.

When all the design challenges had been resolved, construction of the 45 units began. Once delivered, the Aglo team oversaw the assembly and installation onsite. Witnessing such large structures being hoisted 8m into the air to the ceiling was quite a spectacular view.

The resulting ballroom is very impressive and testament to all involved in the project.

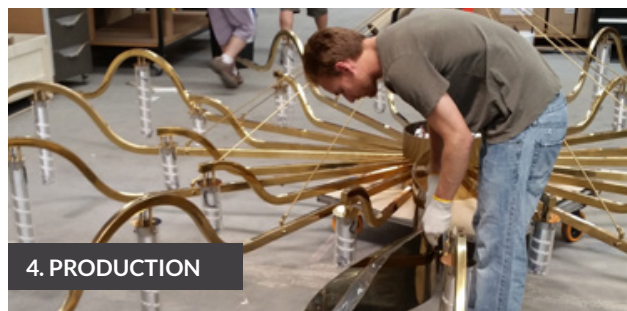
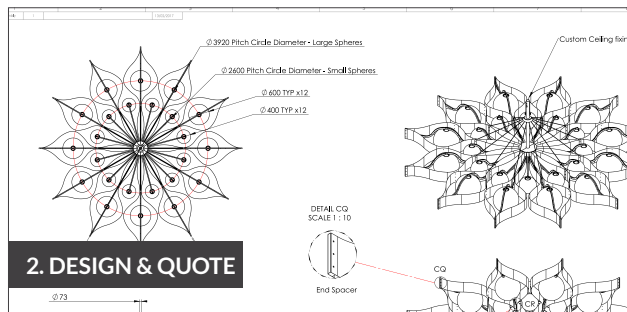
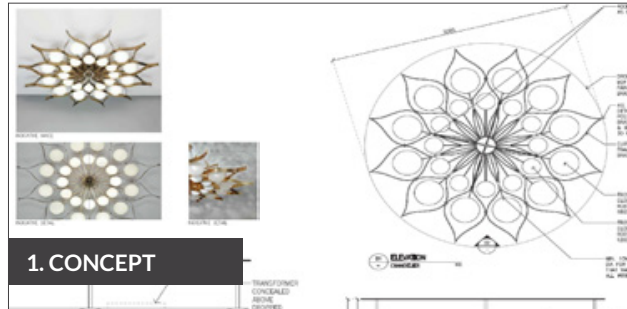


ONSITE ASSEMBLY

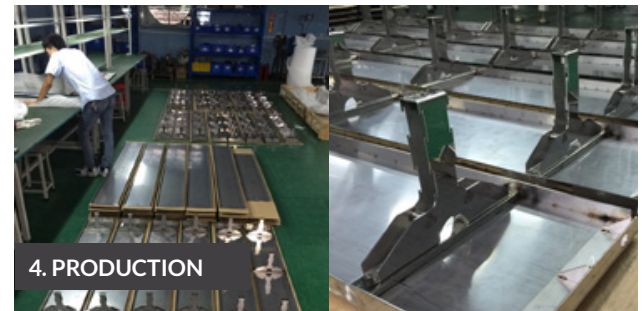
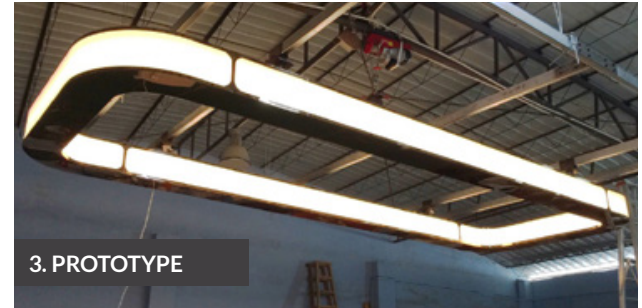
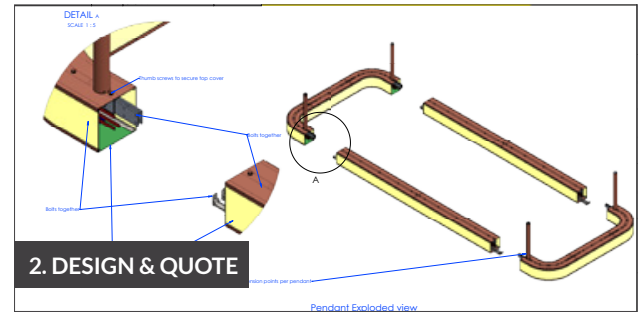
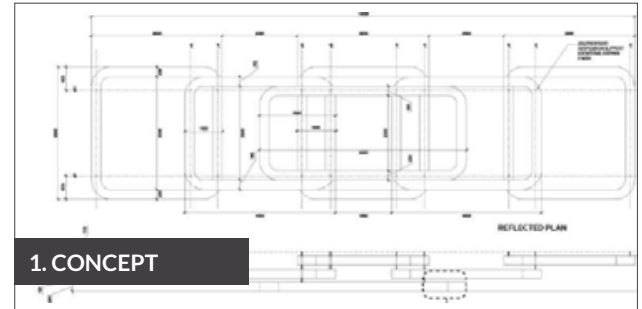
Our Custom Manufacturing 5 step process in action

We work closely with our clients every step of the design and manufacture process to ensure that we achieve desired outcomes; on time, to budget and specifications.

Crown Perth - Grand Ballroom Flower Pendants



Crown Perth - Porte Cochère Feature Lighting





ADELAIDE CASINO PEARL ROOM



THE STAR GOLD COAST



CROWN PERTH RIVERSIDE ROOM



GALLERIA FOOD COURT



GROSSI FLORENTINO GRILL



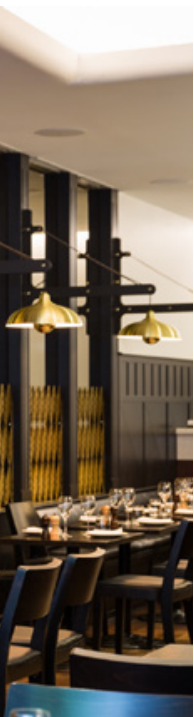
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CANTERBURY LEAGUES CLUB



55 HUNTER STREET SYDNEY



CLUB 23 CROWN MELBOURNE



THE EMINENCE APARTMENTS

A solution for every lighting situation

Trust in Aglo Systems to handle all aspects of your lighting needs

Project Lighting Solutions

We are experts in highly complex and dynamic projects such as retail rollouts, hotel and club developments through to multi-residential constructions. Aglo Systems has a proven track record working with many leading retailers, shopfitters, architects and developers in providing a seamless end-to-end service.

Aglo's solution includes an inhouse lighting design service which enables clients the opportunity to receive advice and documentation for all their lighting requirements. Professional CAD documentation, Building Code of Australia (BCA) calculations, 3D rendering and complete fitting specifications are all included in the service, ensuring the need of each client is met.

Where our lighting design facility is not required, we aim to be your specified lighting supplier of choice by providing a total product supply service. This includes emergency lighting and specific product sourcing for light fittings that are outside of our core product range.

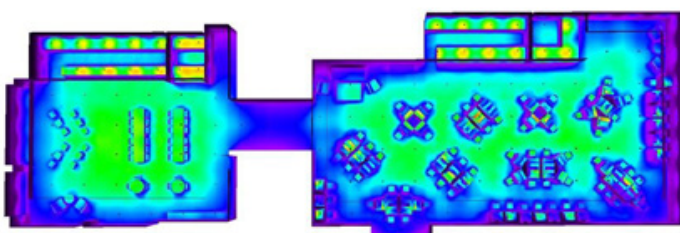
To back our high quality, commercial grade product, all LED fittings supplied by Aglo are covered by a 3 year product and installation warranty.

LED Comparison

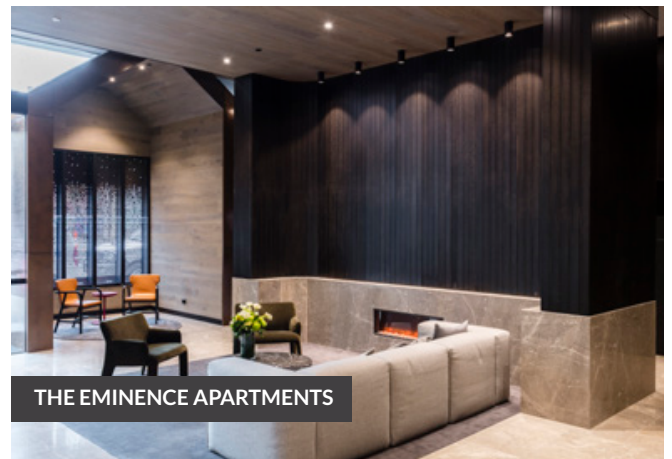
LED products are used in our designs to ensure energy savings and long life solutions. We can easily show you how much energy and maintenance costs you can save by converting your existing lighting design to incorporate LED fittings. We offer a free LED comparison based on an existing design to explain the savings in practice.

Lighting Design Process

We will collaborate with you to create a brief covering the lighting requirements, aims, themes and emergency illuminated signage needs. We will also discuss the desired ambience and gain a full understanding of the type of space before putting together a proposed lighting layout, also known as a Reflected Ceiling Plan (RCP).



Pakenham Hotel Gaming Room: Lux Map calculations indicate expected illumination levels throughout the site.



THE EMINENCE APARTMENTS

Product Supply

Aglo's range of LED products are the latest in lighting technology, specifically sourced by our product development team, from around the world. Over recent years there has been a dramatic improvement in light source technologies. Aglo has been at the forefront of these developments and works alongside world leaders in LED to develop light fixtures to suit our clients.

Aglo has an experienced and professional sales team who strive to provide quality customer service and competitive quotations with a quick turnaround time. They are also capable of providing alternative products to match specified fittings on an existing lighting schedule.



LONGBEACH RSL



LONGBEACH RSL



LONGBEACH RSL



CANTERBURY LEAGUES CLUB

Aglo Systems provides commercial, retail, industrial and facility LED lighting solutions Australia wide.

Aglo Systems are specialists in lighting design and supply of LED highbays, spotlights, downlights and floodlights for retailers, warehouses, apartment complexes, and the hospitality industry. We are an Australian owned company providing an extensive end-to-end Project Lighting Solution starting with design and consultation through to manufacture and supply.

Our Lighting Efficiency Upgrades department performs lighting audits and retrofit upgrades (leveraging government rebates) to reduce power consumption, lower maintenance costs and improve the overall lighting quality.

The Custom Design and Manufacture department works in partnership with architects, shopfitters, consultants & lighting designers to engineer and create unique luminaires and bespoke architectural features.

The Sports and Area Lighting department design and supply for all aspects of premium LED sports facility lighting and provide lighting solutions for areas such as loading docks, car parks, public parks and pathways.

With many years of experience, our dedicated team strives to provide a streamlined service with the finest attention to detail while maintaining competitive prices. By combining the latest technologies and highest quality components on the international market with inhouse assembly, Aglo Systems guarantees high end products and an extensive range.

CREATE SIMPLIFY DELIVER™

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CANTERBURY LEAGUES CLUB



CROWN GAMING AREA



EVENT CINEMAS SPRINGFIELD



DINNER BY HESTON



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