



Australian Made LED Lighting.

March 2023

Aqualux Company Profile & Capability Statement

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Aqualux Lighting is a family-owned Australian business that has been operating for more than 35 years in the electronics industry (as Telectran International) and for the past 18 years in outdoor lighting.

Starting in 1986 as a contract electronics manufacturer we became known throughout the industry for quality and consistency and were

a key supplier to many of Australia's most well known companies including Cochlear, Mitsubishi Electric, United Group & Lucent Technologies.

We started Aqualux in 2006 with the desire to introduce to the market a range of premium quality outdoor luminaires suitable to Australian conditions. Starting with a small range of 12v & 24v transformers this quickly grew into

a comprehensive range of transformers, LED lights, LED strip and associated control gear.

In 2020 Aqualux embarked on a major expansion focusing exclusively on Australian Made LED luminaires which has seen significant investment in both machinery and people.

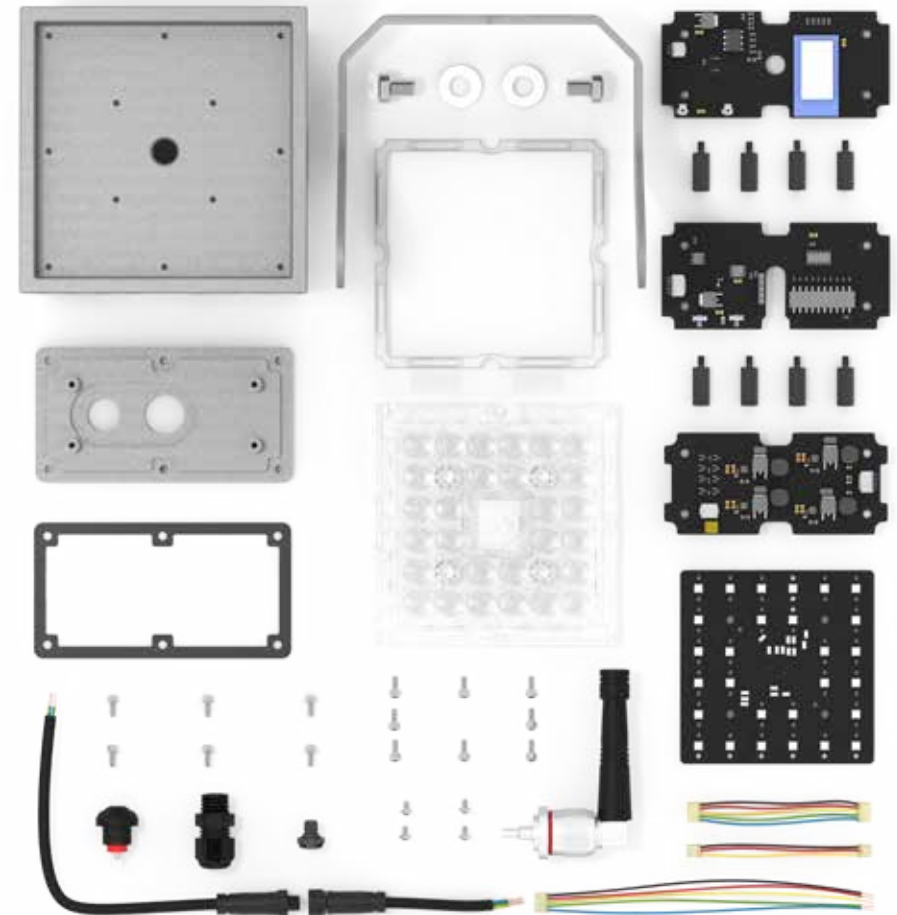


We are passionate about Australian manufacturing and jobs and are committed to designing, producing and guaranteeing products of the highest quality.

Through a combination of attention to detail and a desire to respond to the needs of the market and the installers of our fittings, we have developed a series of product families that represent the best available in their class.

We are not just a warehouse that shifts boxes but a fully integrated operation spanning design, manufacture, assembly and systems integration capabilities.

Our goal is to become the leading outdoor lighting company in Australia & NZ by being able to offer a comprehensive suite of products to designers, contractors and end-users as a local alternative to the established premium European and American lighting brands.



As a fully integrated lighting company Aqualux designs, prototypes and manufactures a wide variety of LED luminaires suitable for many environments and applications.

We have in-house electrical engineering, product design & development, prototyping, production, finishing & testing facilities.

Some of the equipment and facilities we have in-house includes;

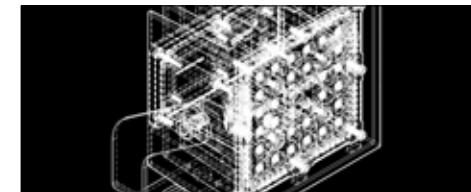
- Okuma LB3000ii lathe with Hydrafeed
- Formlabs Form 3 3D printer for production components
- Formlabs Fuse 1 3D printer for prototyping
- Tektronix MS044 Mixed Signal Oscilloscope
- Keysight AC6802 AC Power Source
- Integrating Sphere
- 24hr IP testing chamber
- 24hr Thermal Cycle Chamber for accelerated testing
- 24hr LED testing station with data logging
- 7-Tank Pretreatment line
- Ryonex closed loop ion exchange waste water recycling system
- Dulux powder coating line



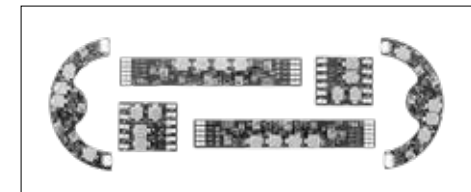
At the heart of each product is a need. Identified and often in collaboration with our customers, the requirement for a particular type of lighting effect is explored and researched, simulated, and prototyped. The form should follow the function yet the process is often emergent rather than self-evident. It requires a commitment to first principles and always the question to be asked: what is it for, who is it for and how will it be made.



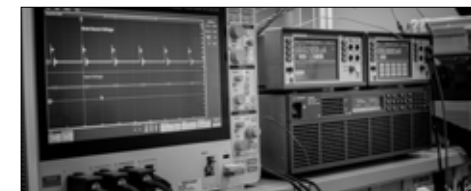
From Dieter Rams to Naoto Fukasawa, a line can be drawn that connects the goal of good design and the sense of harmony that should follow. This sense should encompass not only the aesthetic but also the internal construction and the installation process - good design is not superficial.



Aqualux approaches all of its product design challenges with the same principle in mind - what will achieve the objective in the most elegant way possible. This principle is applied continuously from the design phase through to manufacture and installation, including the impact on the visual environment during its lifetime as a luminaire and the environmental load created during and at the end of the product life cycle.



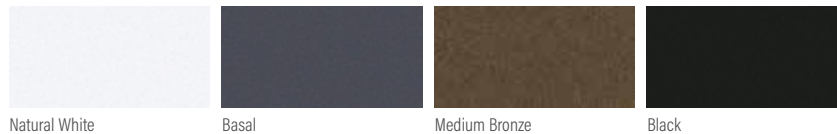
Engineering a balanced product that exceeds expectations in performance requires a deep understanding of the components that operate within. Our electronics engineering has always been pushing forward, rarely accepting off-the-shelf solutions when a custom developed approach will suit better.



Advanced test and engineering equipment is necessary for this process to occur and for products to be developed that are safe, compliant, and performant. The Aqualux Lab continues to grow and is the place where our future is engineered.

Rarely does one size fit all which is why Aqualux is continually adding new designs to the range to give our customers more options. But the choices do not stop there.

Aqualux makes extensive use of the Dulux powder range which gives designers and engineers an abundance of color options on many of our fittings.



The full Dulux powder coat range is available upon request.

The colours displayed should be used as a guide for your colour selection.

Visit www.duluxpowders.com.au or contact Aqualux for further information and finish samples.

Please contact us for lead times on your chosen finish.

In addition to this we finish our brass products in a variety of treatments including Raw / Tumbled, Aged Brass, Electroless Nickel Plate, Chrome & Copper Plate. We are even able to offer 24k gold plating on brass products for the ultimate in luxury and surface durability.

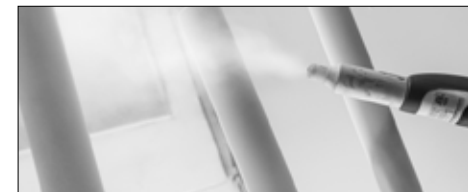


For more than 35 years, Telectran & Aqualux have been involved in manufacturing both locally and internationally. Operating a manufacturing facility requires constant attention to both small details and broad trends and movements. Over the years we have honed our ability to react quickly and nimbly to the market and other forces that shape our world.

2000 ~ 2010 When many of the Australian lighting companies moved their manufacturing operations overseas Aqualux adopted a flexible strategy that sought to combine the best of both worlds. We established long-term relationships with overseas suppliers, many of whom remain close friends and partners to this day. At the same time, we retained our local manufacturing facility, predicting a time would come when the wind shifted and Made in Australia would one day be more than just a sticker and people would actively seek our locally made product.

2020 & BEYOND When the pandemic upended long-standing patterns of global trade and international relations, we began a sustained program of investment in our local manufacturing capabilities, building a state-of-the-art machine shop to completely fabricate advanced luminaires from raw materials in our workshop.

In late 2020, Aqualux invested in the establishment of a fully automated CNC machine shop to further our local manufacturing capacity and allow the turnkey design, manufacture and assembly of our fittings under the one roof. Featuring a state of the art Okuma LB3000EXII CNC lathe, our facility brings a number of benefits including decreasing our time to market for new products, fulfilling specialized or custom product requests and providing increased supply chain security. Our machine shop represents an investment not only in our own company but also in the future of Australian manufacturing and a commitment to local industry and employment.

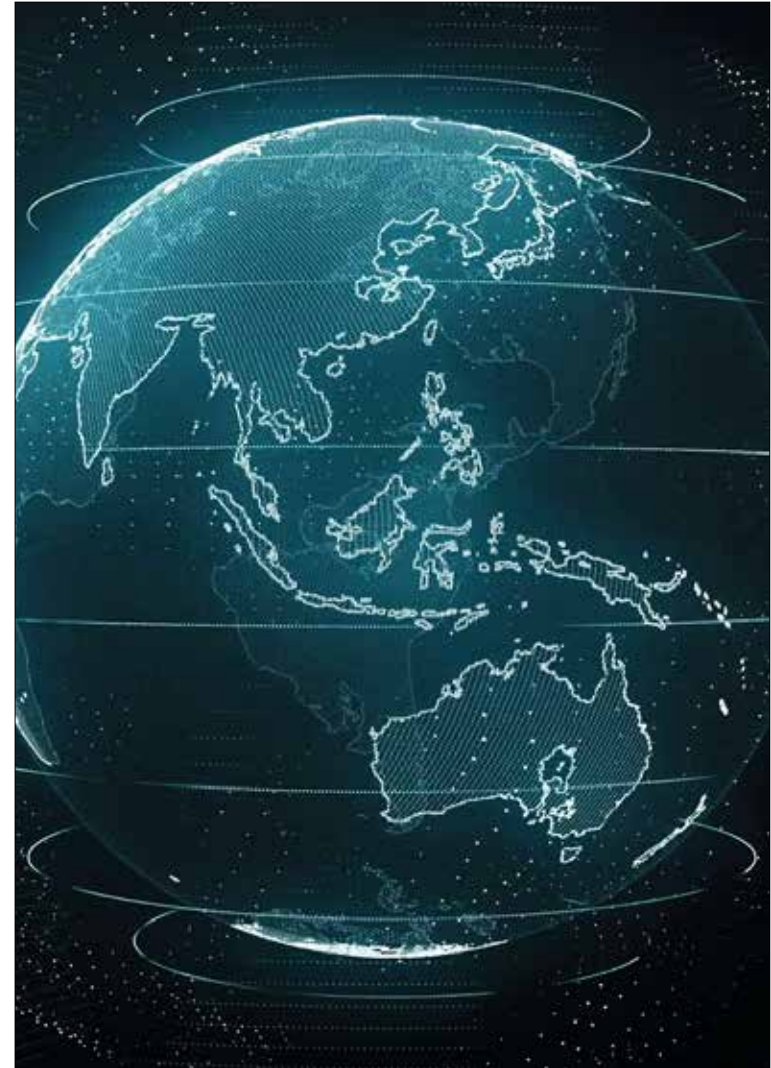


The Aqualux range of outdoor lighting products is enhanced through our relationships with international suppliers from a range of countries including Taiwan, China, USA and Finland.

To maintain our competitive advantage we see the best strategy as one that embraces flexibility, striving to achieve the 'best of all worlds'. Overseas supply for some components, 100% local manufacturing for others.

Some brands we partner with are;

- LEDIL
- CREE LED
- Nicolaudie
- ENTTEC
- Meanwell



Macksville Bridge



Macksville Bridge



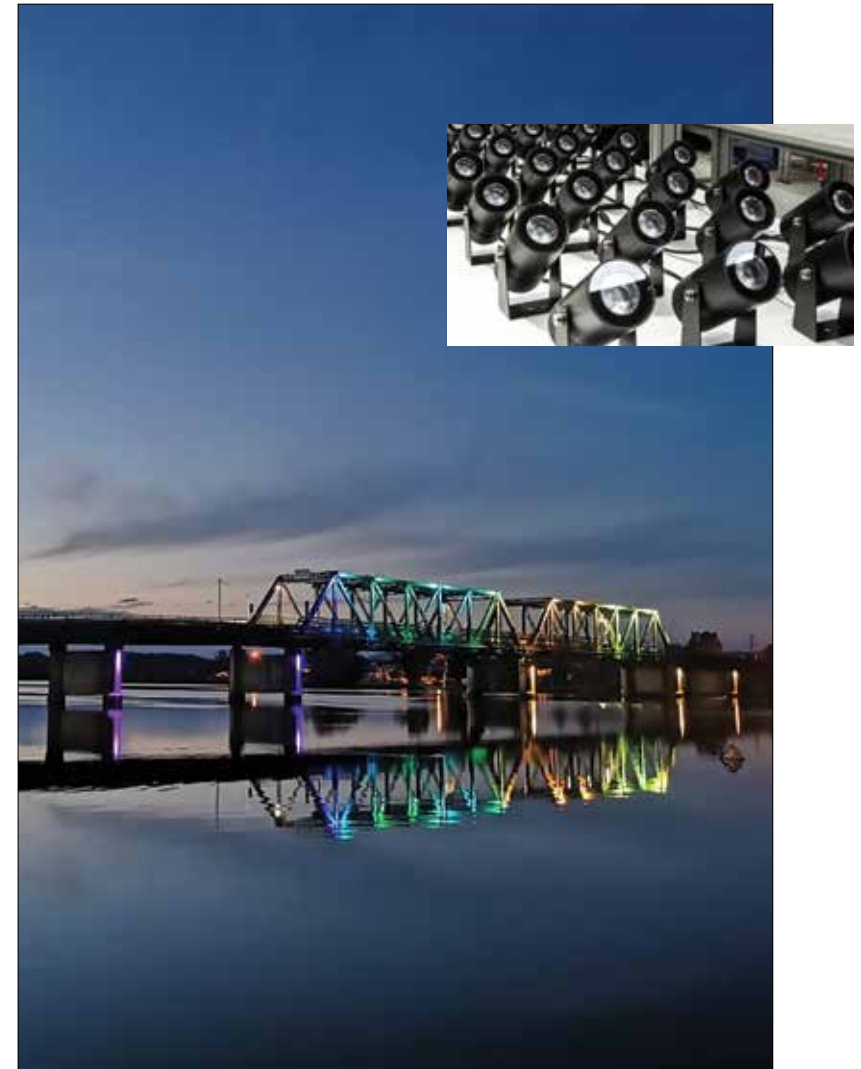
Macksville Bridge



Since its opening in 1931, the Macksville Bridge has been a landmark urban feature within the Nambucca Valley, and for any person travelling up or down the east coast of NSW.

The old Macksville Bridge recently received star treatment. As part of an agreement between the council and the RTA, budget was specifically reserved for the installation of LED lighting along the length of the old steel expanse, entrance “statements,” heritage signage and information panels.

Aqualux specifically created the AQL-180 RGBW high powered light fitting to light the steelwork, casting a cascade of coloured lighting that transforms the 'Old Bridge' into an urban artwork.



Marina Mirage



Marina Mirage



The Marina Mirage is the Gold Coast's premier destination for boutique shopping, waterfront dining, and an enviable lifestyle offering. Situated at Main Beach the Centre lies directly opposite the five star Sheraton Grand Resort & Spa and is adjacent to the world's first Palazzo Versace hotel.

The project was an opportunity to harness the power of light using Aqualux's high powered RGBW flood lights and customisable user friendly interface to control the environment and captivate the audience from miles away.

Projected onto the 'rooftop sails', the lightshow has become an iconic beacon to the locals and much admired visual effect.



Bundall Road



Bundall Road



Bundall Road



This highly prominent and centrally located corporate office building on Bundall Road, Bundall in the Gold Coast benefitted immensely from a thorough upgrade to the building services, enhanced and modernised common areas and refitted commercial offices.

The six storey building occupants benefit from dominant roadside signage with its horizontal and vertical straight lined colour changing lightshow.

RGB Neon Flex replaced the once loved Vegas styled Neon Tubing, making the system safer, easier to install and more reliable while adding flexibility to the programmable lighting interface.



Wreck Point



Wreck Point



Wreck Point

This scenic lookout located in Cooee Bay gives 360 degree views of the Capricorn Coast and Keppel Bay. The meandering nature trail features sandstone steps to a viewing platform positioned immediately above a spectacular rocky point.

Along with the spectacular daytime views, the evening light display using Aqualux RGB Neon Flex is a meaningful part of the 'shipwreck' artwork.

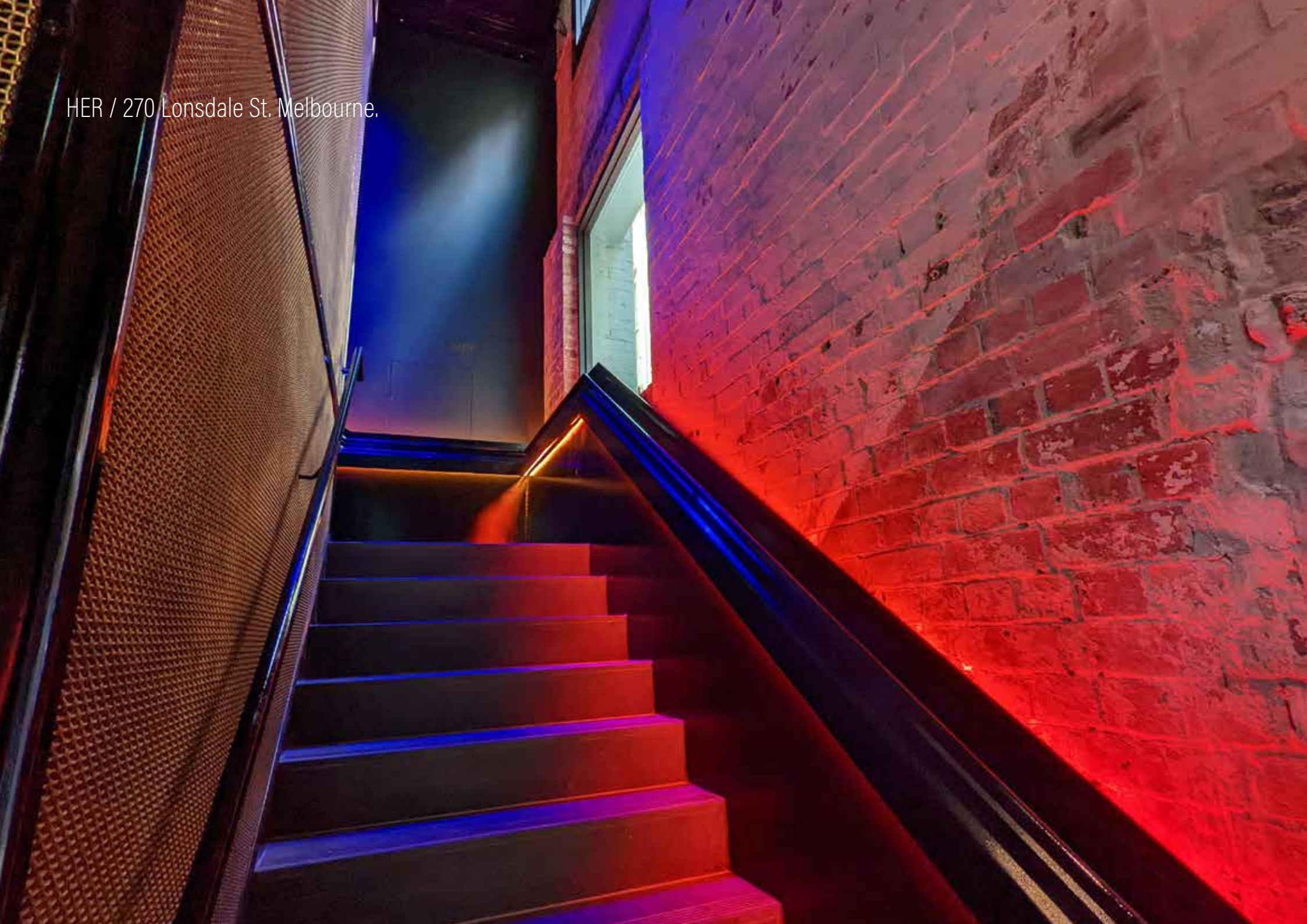
In addition to supplying the neon flex, Aqualux assisted in the systems integration and programming incorporating several other suppliers equipment.



HER / 270 Lonsdale St. Melbourne.



HER / 270 Lonsdale St. Melbourne.



In conjunction with [L'Observatoire International](#) & [Adrian Pizzey Lighting](#), Aqualux was asked to help realise the illumination design goals for a new multi-level restaurant / bar experience in Melbourne's CBD called 'HER'.

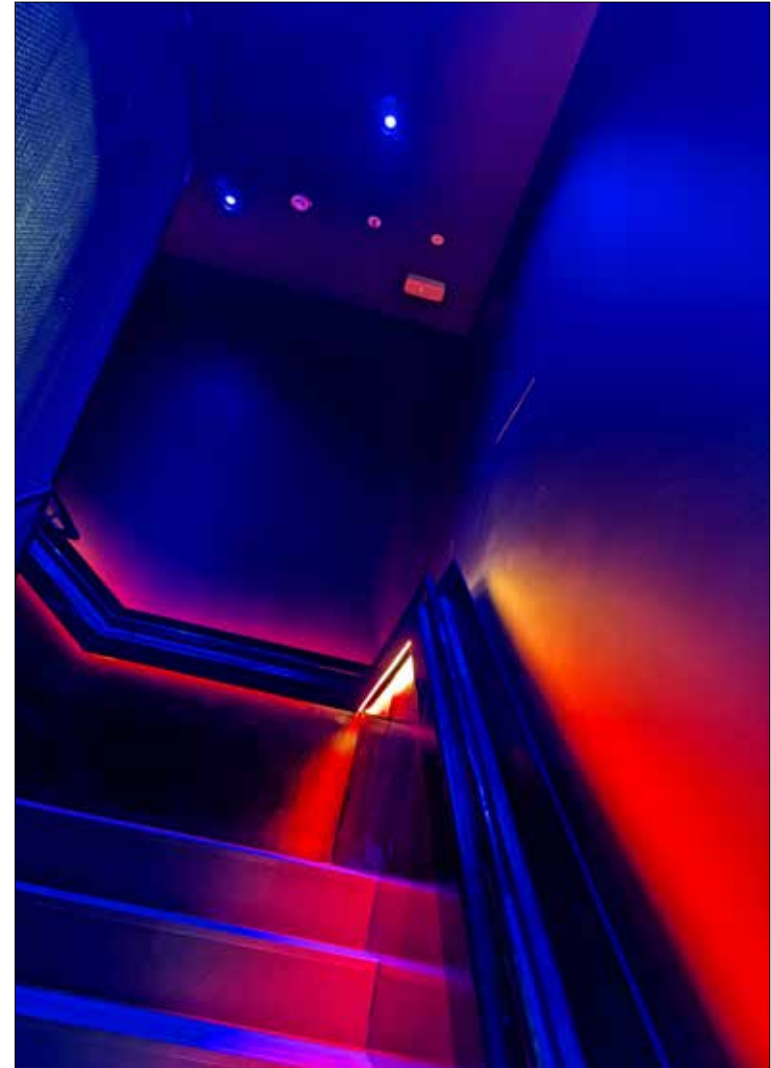
Involved in almost all aspects of the lighting implementation, Aqualux worked closely with the designers and electricians to specify and supply the lighting products that helped bring the vision to life.

A dedicated music room with 1000+ pixels on the ceiling is controlled via DMX + Acoustic integration, whilst the lift-core / stairwell space is a fully dynamic RGBW space programmed in a variety of patterns to suit the mood.

A façade lighting scheme is due to be supplied by Aqualux in early April 2022 with installation to follow soon after.

Products Used:

- AQL-880-RGBW
- AQL-180
- AQF-PX-200
- AQS-500-DMX
- AQS-170



OVERVIEW

Telectran is a Sydney-based manufacturer and distributor of electrical components, power transformers, LED lighting, and associated power supplies and controls.

We are both an Australian manufacturer and an importer of components and finished goods. We are not a reporting entity for the purpose of the Modern Slavery Act 2018 (Cth) and this statement has not been submitted to the Australian Border Force.

OUR COMMITMENT

Telectran opposes slavery in all its forms and we believe all businesses big and small have a part to play in its eradication. Modern slavery can be present in every industry and sector.

We are committed to taking all practical steps within our control to ensure there is no modern slavery in our supply chain or any part of our business.

It is with this in mind that we commit to operating our business ethically and responsibly to safeguard human rights and ensure sustainable business practices.

We expect our suppliers and customers to share these values and strive to ensure we all meet the required standards and the expectations of our community.

ORGANIZATIONAL STRUCTURE AND SUPPLY CHAIN

Our imports consist of components and finished goods sourced predominately from China but also from Taiwan, Japan, and Germany. Our local supply chain includes Australian manufacturers and wholesalers, some of whom are also importers.

We strive to ensure these suppliers are aware of the standards and have the same commitment as we do to promoting ethical practices throughout their business and supply chains.

RISK ANALYSIS AND DUE DILIGENCE

We have identified the following risks which may be present in operations either directly or indirectly through our activities or relationships:

Non-compliance with OH&S standards, a minimum living wage, and other basic human rights can lead to modern slavery.

Non-compliance with ethical sourcing and sustainable business practices.

We believe a key issue is suppliers who are focused solely on minimizing production costs.

Policies and Procedures to Mitigate Modern Slavery Risks

To identify and mitigate risk we have the following systems in place:

MODERN SLAVERY POLICY

We have a policy that sets our objectives and the mechanisms by which we aim to achieve them.

Supplier Engagement and Evaluation Policy

We expect suppliers to have the same commitment as we do and as such we have a process in place for the engagement and ongoing evaluation of all suppliers in high-risk areas to ensure our best efforts are made to only work with companies that share our values.

Where possible we ask suppliers to provide evidence of ethical sourcing such as FSC certification for timber products.

Assessing the Effectiveness of our Actions

Periodic review of our modern slavery policy and associated policies and procedures.

Communicating and interacting with our suppliers.

Visits to overseas suppliers and factory inspections.

Contact.

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For further details or clarification,
please don't hesitate to call.

