



LIGMAN
AUSTRALIA

NEVER OUTSHONE

Our canvas is the night.
We bring life to the lifeless.
We bring form to the invisible.
We amplify shape, give edge to design.
We bring out the beauty of what can't be seen.
We direct, we inform, we create beautiful spaces.
Our pallet is light, but we use the colour and
shape of others to create art.

We thrive in the outdoors.
We relish the storm.
We weather the heat and the cold.
Just as the sun gives light to the moon,
we bring light to the dark.
We plan, design and create beauty for everything outdoor.
We are Ligman Australia, performance lighting.

We are **NEVER OUTSHONE**

LIGMAN
AUSTRALIA





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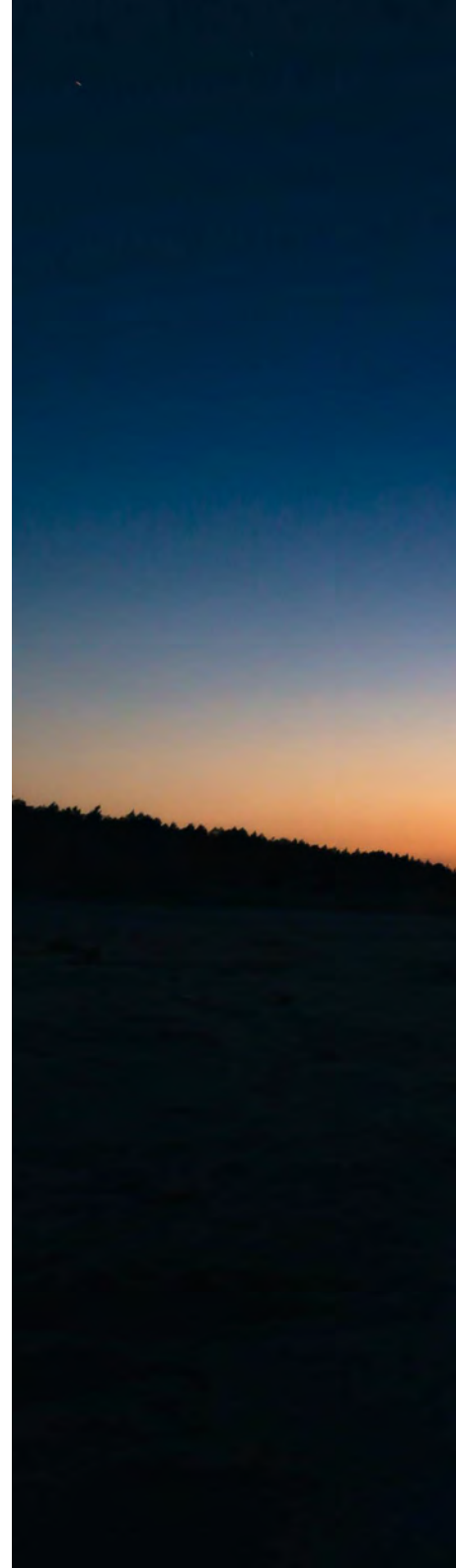
INTO THE LIGHT

Ligman Lighting was founded in 1995 with the objective of designing, manufacturing and distributing world-class, high efficiency, quality outdoor lighting products under the brand name Ligman. For over 28 years, Ligman products have employed cutting-edge technology, born of rigorous R&D process and the highest quality components available in the world.

At Ligman Australia, our designs emerge from our passion to provide perfect lighting solutions to the people of Australia. Our aim is to not only illuminate the environments we live in, but to create products which enhance the lives of Australians. Ligman Australia utilises state of the art advanced modern technology, the highest level of technical expertise, and innovative ideas to create exceptional results. We are committed to ensuring superior products and offering total lighting solutions, therefore every component used in our luminaires is carefully considered and of the highest quality.

Ligman Australia prides itself on providing customers with excellent service and collaboration, we offer greater lighting solutions for all your projects. Ligman Australia is your local, flexible and competitive lighting solution partner.

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Powered by

ELS

From our unique landscape to our modern cityscapes, Australia is a land of outdoor beauty. There is no better way to shine a light on this beauty than with Ligman Australia, one of the world's premier outdoor luminaire brands.

Ligman Australia products combine contemporary architectural lighting design with modern lighting technology to deliver quality aesthetic enhancing lighting, whilst ensuring energy efficiency and sustainability goals are met. Ligman Australia is exclusively distributed by Australia's own leading luminaire company ELS.

At ELS, we do more than distribute, we bring over 30 years of custom design and manufacturing experience to Ligman Australia. This enables us to respond to uniquely Australian design and specification briefs on behalf of clients to find their perfect exterior luminaire solutions. Through our local manufacturing capability, we customise and fully assemble the Ligman Australia product to meet each client's specific needs. We then rigorously test to ensure both compliance and performance capability to Australian standards.

Ligman Australia, one of the world's best exterior luminaire brands, powered by ELS, Australia's leading luminaire company, will amplify the beauty of any outdoor space.

QUALITY & WARRANTY

Quality is the basis for which the longevity of Ligman luminaires can be determined. The Ligman factory in Thailand carries ISO-9001 QMS certification, which gives us the confidence that all luminaires are manufactured to the highest standards. To back this quality, Ligman houses their own SMT lab to provide assurance that all LED components are manufactured exactly to specification. Ligman produces all fabricated and die-cast components on-site along with all die-cast tooling in its state of the art toolmaking facility, ensuring exceptional quality of all components from beginning to end.

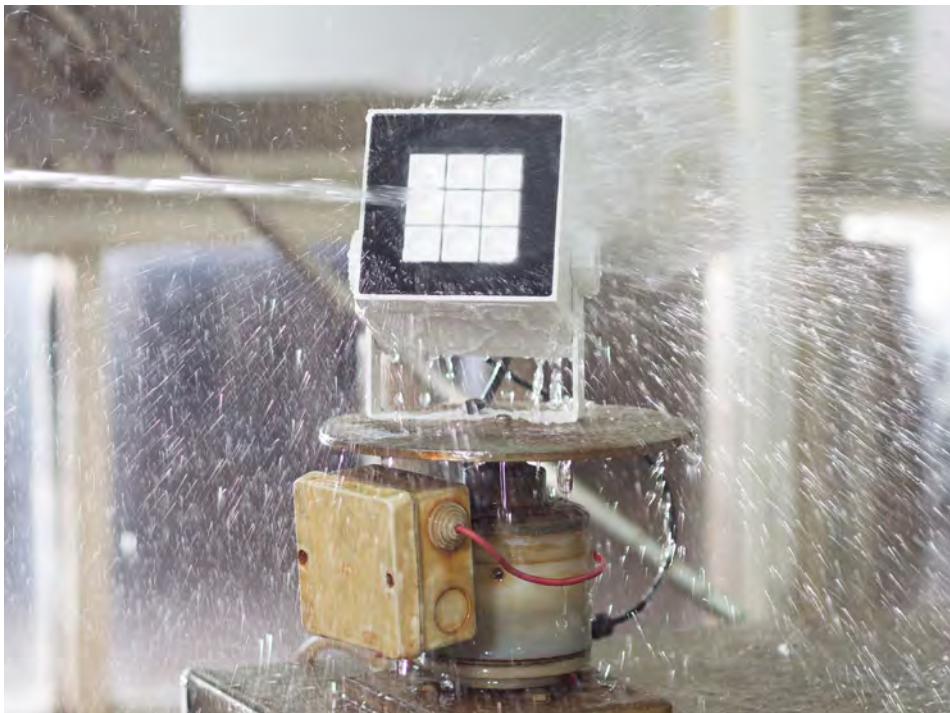
Our Brunswick assembly operation leverages these solid principles of quality management to ensure that all luminaires are thoroughly inspected and tested after assembly, for both physical and electrical operation before despatch. This ensures they will operate in all conditions long after our extensive warranty has passed. The ELS Quality Management System is based on the solid principles of ISO-9001, albeit not certified.

With this in mind, ELS performs various quality inspections before, during and post assembly to verify that all luminaires dispatched to a customer conform to their various requirements. This includes all locally produced and overseas sourced components. Electrical and visual inspections are carried out in 100% of products, so that no products leave without being individually tested and inspected. ELS also maintain a Non-Conformance Register along with associated quality documents to track, investigate and resolve issues when and if they arise. Through this commitment to quality of manufacture, Ligman Australia feel confident in offering an industry leading 10-year warranty to the Australian market.





IMPACT TESTING



INGRESS TESTING

SHINING A LIGHT ON TESTING

Ligman Australia's inhouse testing laboratory allows for our luminaires to be customised and tested for the conditions which we expect them to encounter when installed in Australia. The Ligman Australia laboratory has capabilities in electrical and mechanical testing, endurance and thermal testing and photometric testing. This local testing is in addition to the rigorous testing that occurs at the Ligman Thailand facility involving ingress protection and impact protection testing, EMC testing and salt spray testing.

To ensure that all of the LED components are manufactured to specification the Ligman factory in Thailand houses their own SMT lab. Their on-site and state of the art toolmaking facility means all fabricated and die-cast components are produced from beginning to end with exceptional quality. With testing conducted in both Thailand and Australia, every luminaire that leaves the Ligman Australia factory is suitable for the environmental conditions of its desired location. The testing ensures Ligman Australia products can withstand harsh coastal conditions, dry heat, tropical climates, and any other environments where damage can occur.

AND LONGEVITY

Corrosion and paint deterioration can be an issue especially with outdoor luminaires subjected to harsh environments. Through testing and the use of quality surface treatments and finishes, Ligman Australia ensures the longevity of our luminaires. At Ligman Australia we take numerous steps to ensure that our luminaire surface finishes are up to the task. We start with a low copper content aluminium, then passivate the surface using a multi-step chromate conversion coating. Finally, a high-grade exterior polyester powdercoat is applied to protect from corrosion, ensuring the durability of the finish. For added protection in harsh environments an extra 'primer' coat can be added between the conversion coating and exterior powdercoat by special request.

With the production of such durable and long-lasting products, Ligman Australia identified the need for an external fastener system to ensure that our luminaires were serviceable through years to come. The decision was taken to adopt zinc flake coating (ZFC) to the fasteners, a permanent barrier to corrosion and a further commitment to the longevity of the products.



MARVIK SURFACE FACADE LUMINAIRE

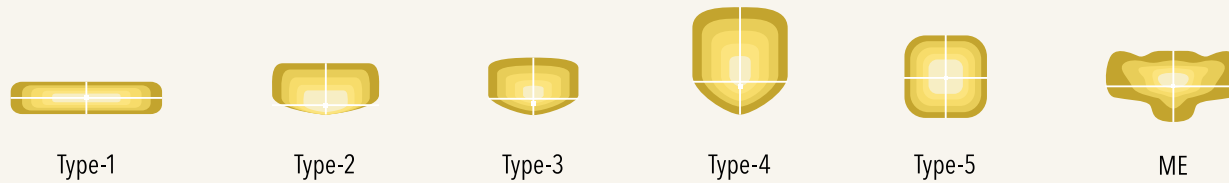


SHINING A LIGHT ON CUSTOMISATION

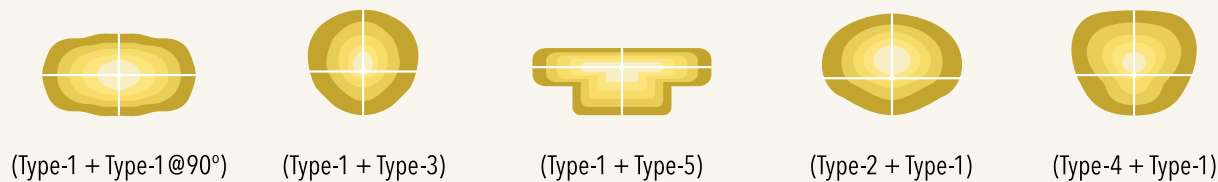
Ligman Australia's MicroVOS™ (Micro Variable Optical System) is our unique technology enabling customers to specify tailored optics for all fixtures where you see the MicroVOS™ logo. This allows for fully customised lighting distribution solutions to overcome otherwise tricky lighting designs. With the use of photometric testing equipment at our Brunswick facility, we can quickly provide photometric files to any custom distribution to assist the lighting design process. A range of the most typical standard distributions are always available for these products such as Type-1, Type-2, Type-3, Type-4, Type-5 and ME.

If the need is for something more specific and unique to these, Ligman Australia can offer custom optics to suit the precise project lighting distributions required. With MicroVOS™ technology, Ligman Australia can combine optics to create custom solutions as well as offer additionally specialised optics. If additional cut off angles are desired to tackle obtrusive light spill, or there is a need to have optics rotated 90°, 180° or 270°, this can be easily accommodated. The opportunities are near limitless with the MicroVOS™ customisable optical system. Listed to the right are some examples of what can be possible, but for the full MicroVOS™ service please contact your local sales representative with your project needs and we'll evaluate the best solutions for your specific requirements.

Typical standard MicroVOS™ optics



Combination optic examples



Special solution optic examples



Type-2m

IESNA Type 2 medium beam with excellent backlight control, illuminance uniformity and cutoff



Type-4b

Wide IESNA Type 4 forward throw beam for wide area lighting such as car parks



LAO1

Type-2/3 (long) beam for a very wide pole to pole distances. Ideal for pedestrian paths and residential roads. AS/NZS 1158.3.1 P-Classes



FW

Beam with wide light distribution and good illuminance uniformity for residential street lighting and staggered pole setups

FUTURE PROOFING SOLUTIONS

Connectivity & Controls

Ligman Australia can factory fit a range of control options to cater for a wide variety of applications, whether it be DALI or wireless systems such as CASAMBI. This, along with stand alone options, controls the luminaire through Dusk to Dawn operation utilising the internal programming.

For future proof control, Zhaga Book 18 bases can be custom fitted, allowing for a variety of wireless solutions, such as those provided by Stienel, Siginify or Tridonic. This allows for full flexibility of the integration management system and the IoT, without the need for further modification.



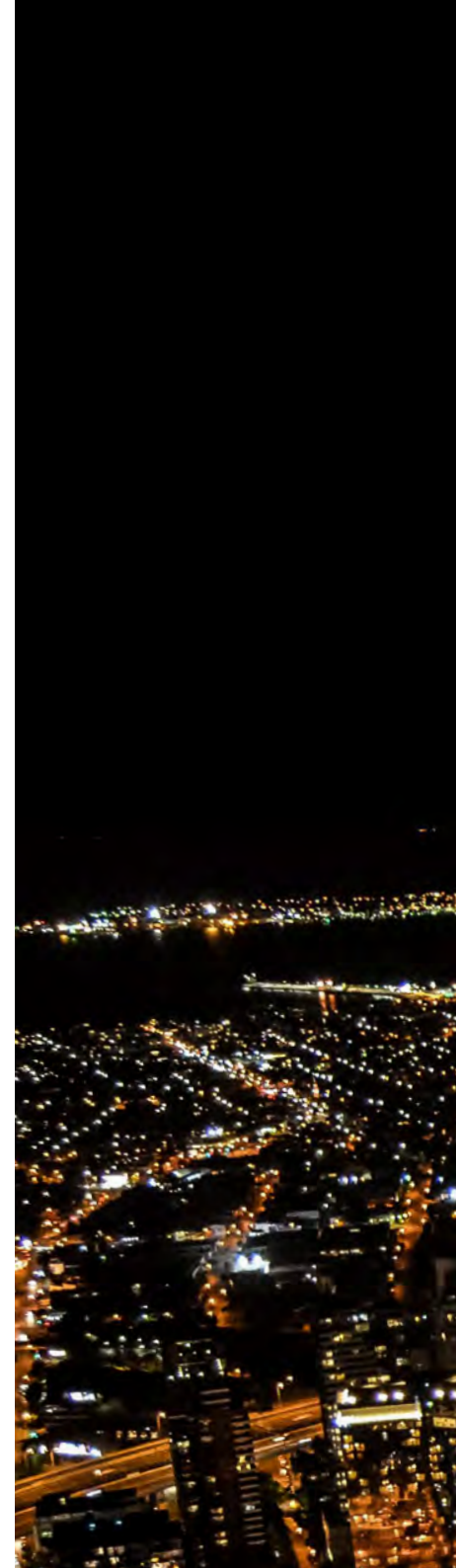
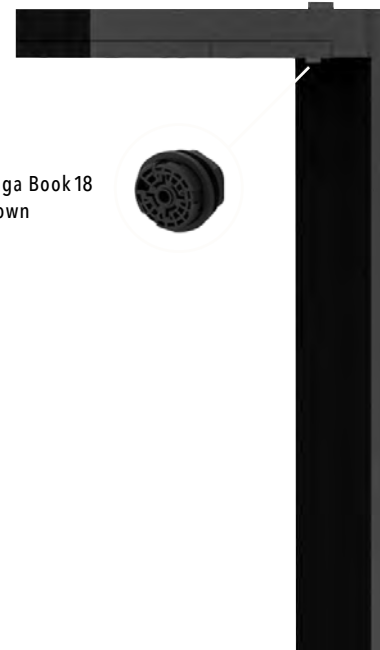
Nema 7



Zhaga Book 18 - Up



Zhaga Book 18
- Down



Many cities across the globe are facing the complex issue of spiralling electricity costs and the addition of new smart technologies hitting the market. Through early engagement and careful planning our lighting network can be used to future-proof our Australian cities.

By realising the potential in our urban street lighting, a smarter opportunity awaits us, one that offers the possibility of controlling the output of every light across multiple areas of different uses.

Sporting precincts can be tuned to fluctuating crowds and quiet city parks can be dimmed and turned off late in the night. This can improve running costs, pedestrian and vehicular safety, and assist in monitoring and maintaining luminaires into the future.

From wireless control to light sensors, motion sensors, security cameras, speakers, chargers and inbuilt emergency lighting. The future is at our fingertips and Ligman Australia can help you with your vision.





Woodland Portfolio
- Standard Offered Textures

OAK

Rich natural grain oak finish,
perfect for contemporary exteriors

WALNUT

Dark knotty luxurious walnut
ideal for prestigious spaces

PINE

Light natural pine for a clean
and fresh Scandinavian feel

Urban Portfolio
- Standard Offered Textures

CONCRETE

Smooth natural texture
for that minimalist urban look

CORTEN

Stable Corten rust effect finish, ideal
for urban and semi-industrial aesthetics

SOFTSCAPE

A unique way to connect
with nature and the environment

STONE

Classic stone finish perfect for
both modern and heritage design

INSPIRED BY NATURE

Special Textured Finish Ranges

Ligman Australia offers a number of unique decorative powder coating finishes to our outdoor product range. These are a new generation of powders and heat transfer films that result in stunning and durable natural looking finishes, suitable for both commercial and residential applications.

Whilst our standard finishes offer customers the most common and popular natural wood and stone finishes, Ligman Australia are able to offer many more options for both woodland and urban finishes. These include many wood types and shades of wood, coloured woods, stone finishes and metal finishes, including brushed and galvanised steels, and even carbon fibres.

To request these options, please contact your local sales representatives with your project details and we can provide details and pricing to suit your exact requirement.



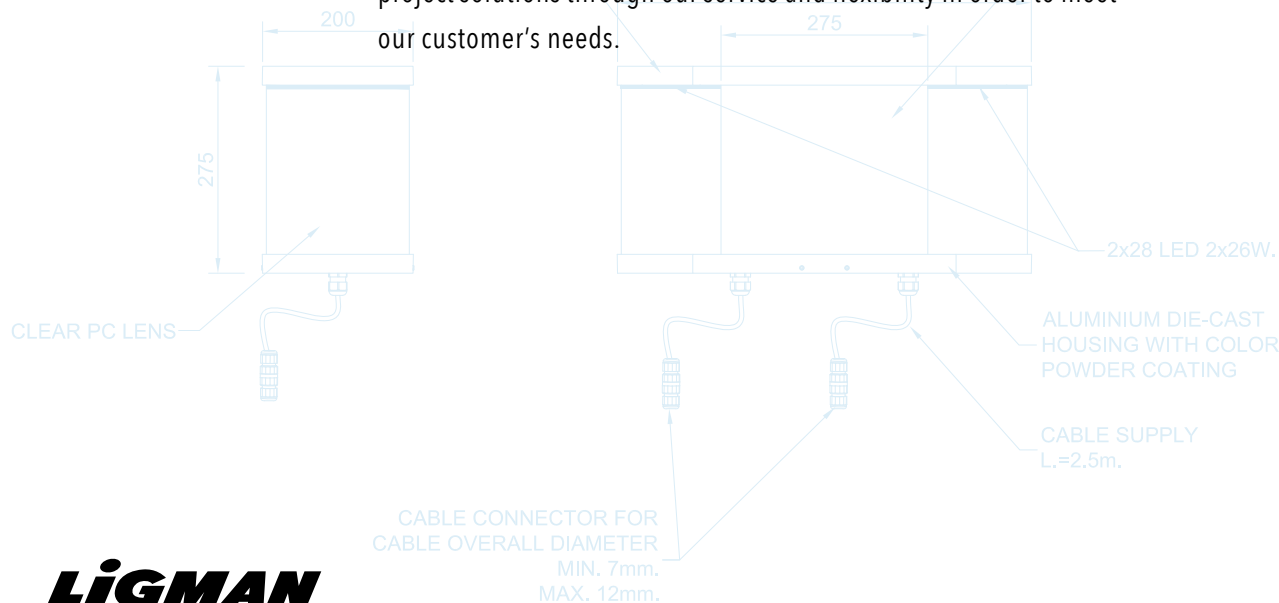
LIGMAN AUSTRALIA ABACUS SURFACE FACADE IN CONCRETE FINISH

SHINING A LIGHT ON YOUR PROJECT

CUSTOM PROJECT SOLUTIONS

Ligman Australia's complete in-house design and manufacturing capability allows us to adapt our existing range of fixtures, or offer complete custom luminaires with the Ligman Australia Tailor Made service.

Our team of expert designers can look at your project specific ideas to produce engineering drawings and pricing for your consideration. Ligman Australia is actively engaged in customising project solutions through our service and flexibility in order to meet our customer's needs.



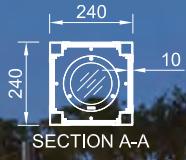
CUSTOM LIGHT COLUMNS

MB LYNCH RESERVE VIC
(at right)

CUSTOM TOTEM LUMINAIRE

PARRAMATTA LIGHT RAIL NSW
(below)





ALUMINIUM TOP COVER WITH
COLOR POWDER COATING

ALUMINIUM HOUSING
WHITE COLOR
POWDER COATING

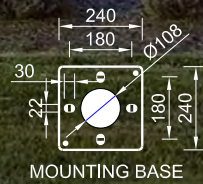
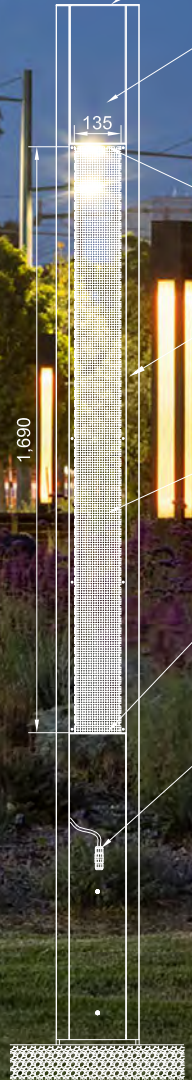
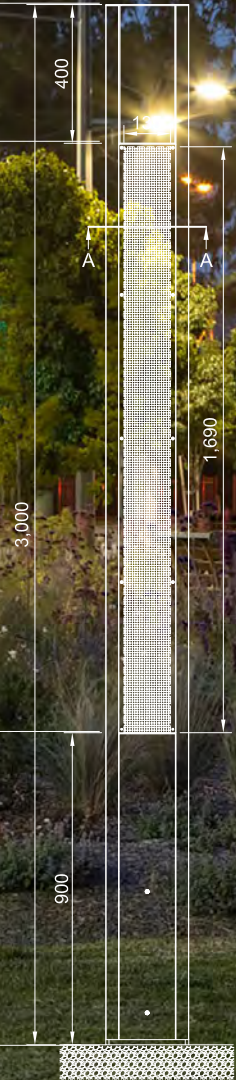
1 COB 40W DOWN LIGHT

ALUMINIUM BOX
38X38mm WITH
COLOR POWDER COATING

FOUR SIDE SPECIAL ACRYLIC PANEL
SHEET PATTERN THICKNESS 10mm
SUPPLY BY CUSTOMER

1 COB 40W UP LIGHT

CABLE CONNECTOR FOR POWER (220-240Vac.)
CABLE OVERALL DIAMETER
MIN. 7mm.
MAX. 12mm.





QUALITY OF LIGHT

Many aspects contribute to quality of light and the lit environment. The Correlated Colour Temperature (CCT) and Colour Rendering Index (CRI) of a luminaire's light source can have an immense impact on the lit environment. The choice of colour can add warmth to an area, or make different colours stand out. Along with high colour rendering, we can produce a faithful representation of colours as we would expect them to appear naturally. From an environmental aspect, we offer amber options for areas such as those designated for turtle nesting. Low Colour Temperatures, PC Amber and filter-based options, where the short wavelength blue is removed, enhance the dark sky environment. This aids in wildlife preservation for both nocturnal animal movement and in the health and wellbeing of all fauna.

Proper shielding through the use of MicroVOS™ and light distribution can reduce the sky glow, allowing more of the night sky to be seen. It also decreases the spill light in areas where the light is not required or wanted.



TURTLE FRIENDLY



DarkSky



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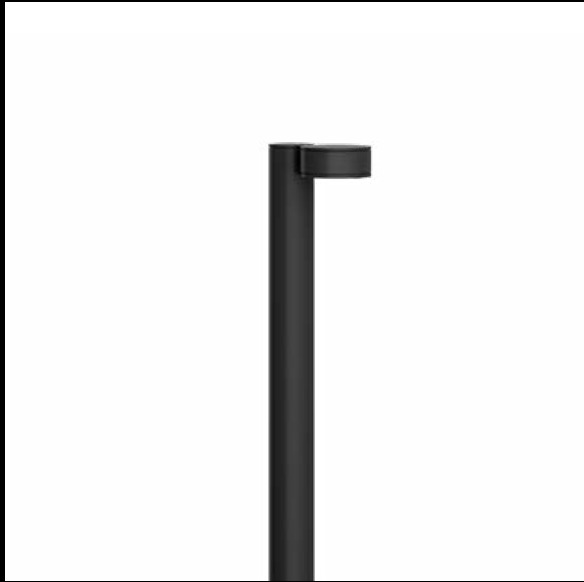
INTRODUCING OUR RANGE

BOLLARDS

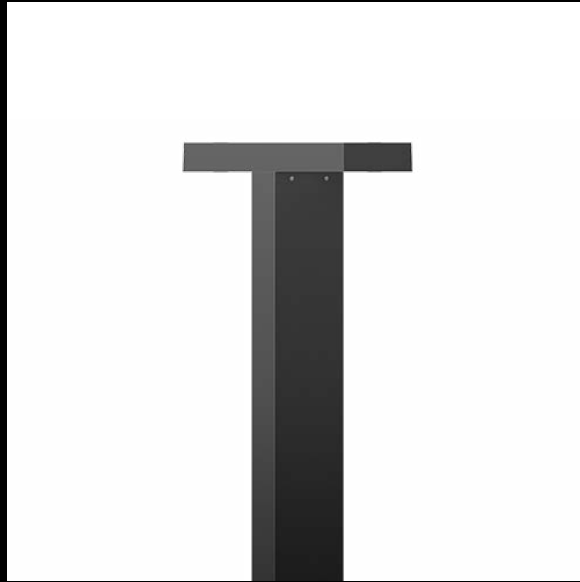
JET
LIGHT LINEAR PT
LIGHTSOFT
PRAGUE
VANCOUVER

Ligman Australia Bollards serve to help people with direction by not only illuminating pathways, but creating safety borders of light. With their particular design, they dramatise the evening aesthetic of gardens, architecture and pathways. Ligman Australia Bollards are available with our revolutionary MicroVOS™ optical system to produce incredible spacings while complying with upward light requirements for Dark Sky.

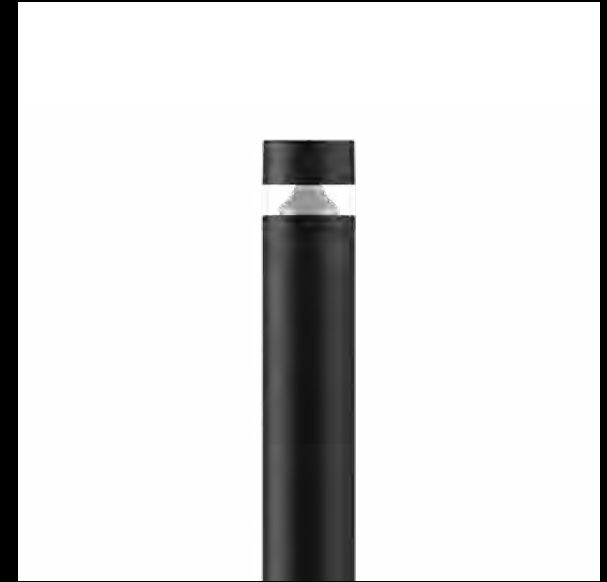




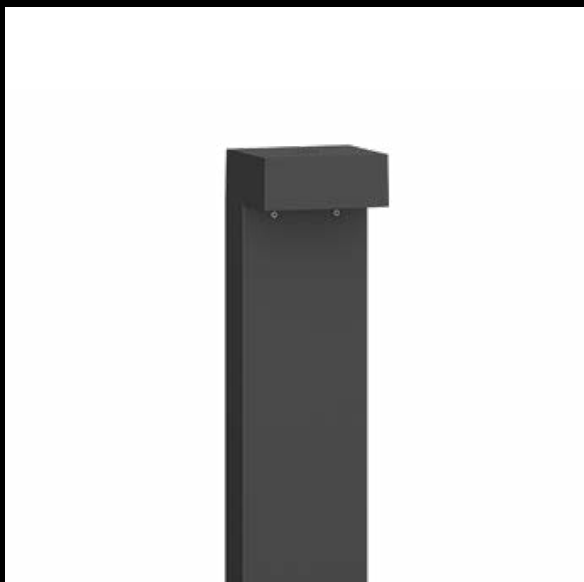
JET 6 Products



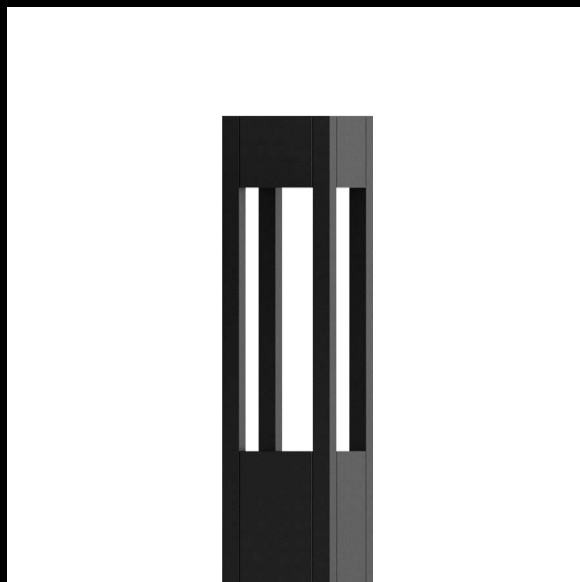
LIGHT LINEAR PT 4 Products



LIGHTSOFT 5 Products



PRAGUE 6 Products



VANCOUVER 14 Products

CEILING LUMINAIRES

JET
NIKON
ROBUST

When outdoor lighting needs to meet the design aesthetics and performance of indoor ceiling lighting, there is no better choice than Ligman Australia. Our Ceiling luminaires come in a range of versatile styles that will complement the architecture and environment in which they are situated. The Luminaires can be customised to ensure they perform perfectly in both intensity and distribution.

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SURFACE FACADE AND CEILING LUMINAIRES IN USE AT FAIRFIELD SHOWGROUNDS NSW



JET 6 Products



NIKON 10 Products



ROBUST 6 Product

FLOODLIGHTS

PROJECTORS & GOBOS

& PROJECTORS

LADOR
ODESSA
QUANTUM
QUANTUM GOBO

Ligman Australia Floodlights and Projectors feature our leading edge, light diffusion and optical systems to deliver the perfect light distribution over broad or tightly defined areas. All Ligman Australia Floodlights and Projectors can be customised to create the perfect lighting solution for commercial applications.





LADOR 7 Products



ODESSA 10 Products



QUANTUM 8 Products



QUANTUM 1 Product

INGROUND LUMINAIRES

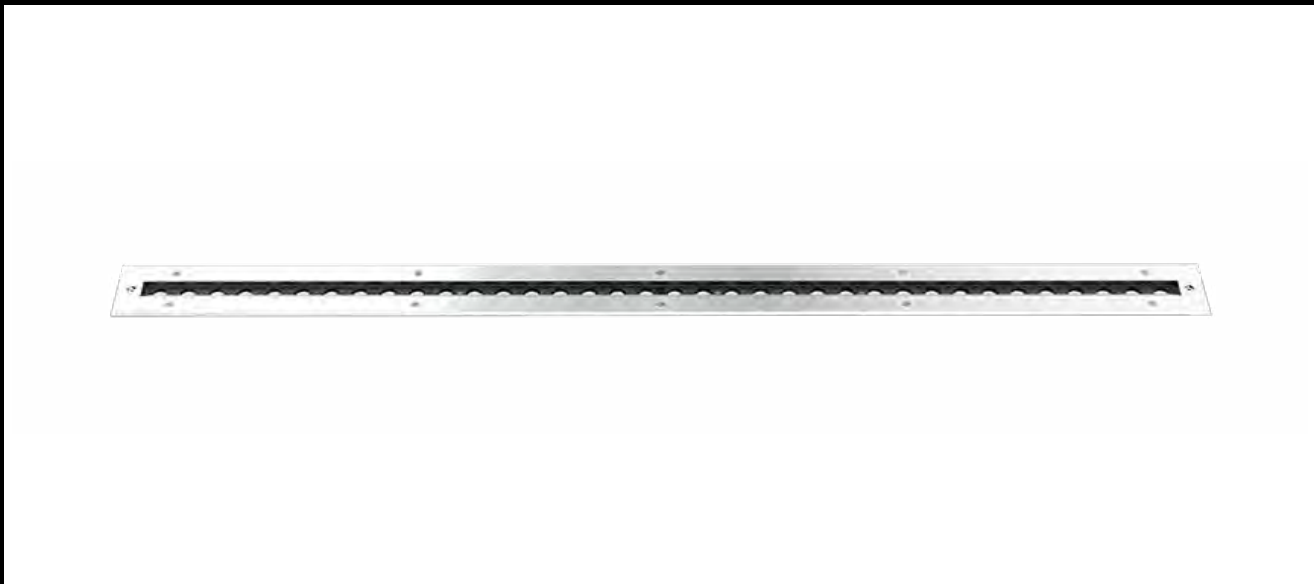
KIOS LIGHTALK

Designed to perform in harsh Australian weather conditions, the Ligman Australia Inground luminaire range is built using pre-treated, die-cast aluminium and stainless steel with zinc flake coated fasteners. Coupled with frosted and toughened glass they are both corrosion resistant and climate proof. Equipped with energy efficient LED, the Ligman Australia inground range features our MicroVOS™ technology allowing for fully customised lighting distribution.





KIOS 8 Products

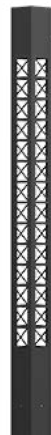


LIGHTALK 15 Products

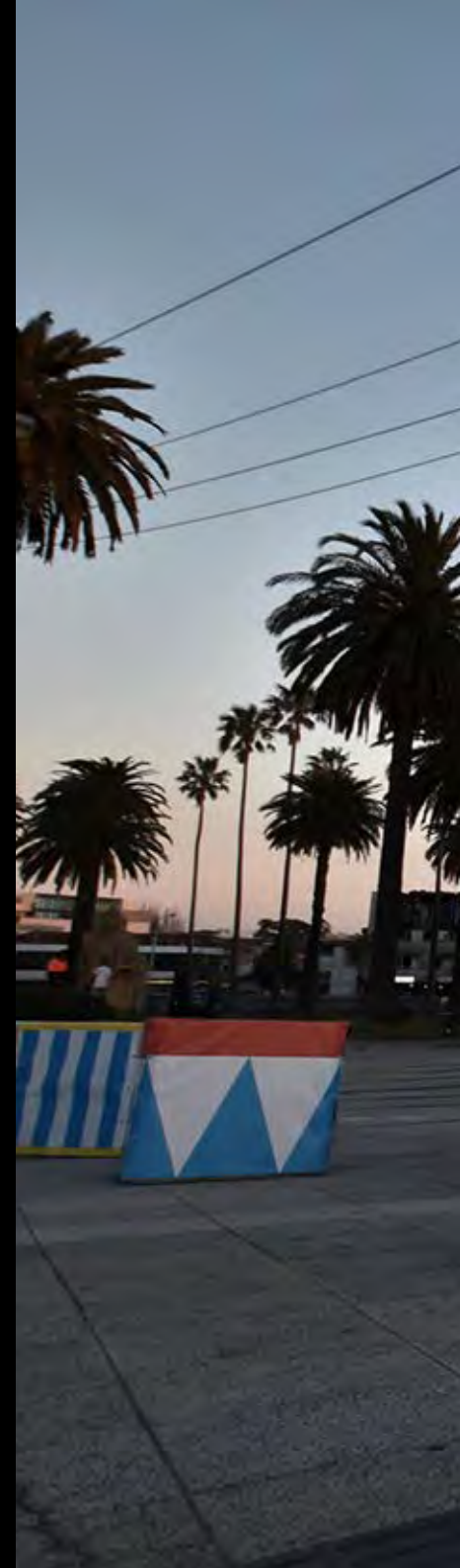
LIGHT COLUMNS

VANCOUVER

Streamlined, modern and multi-functional, Ligman Australia Light Columns are one of the most popular and versatile outdoor luminaires in our range. They project light in glare-free, softly illuminated patterns, and are available in a variety of heights and decorative styles. Their unique and slender designs align with the contemporary design aesthetic of many urban lighting projects.



VANCOUVER 9 Products





Luna Park

M
E
L
B
O
U
R
N
E

POST TOP LUMINAIRES

LUMINAIRES

MACARON
TANGO

Ligman Australia breathes new life into one of the oldest and most widely used outdoor luminaires, the Post Top. Available in a broad range of styles from traditional to contemporary, with each variant housed in pre-treated, die-cast aluminium and stainless steel, ensuring high corrosion resistance and protection from the harsh Australian climate. The range features our MicroVOS™ technology allowing for fully customised lighting distribution.

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TANGO POSTTOP LUMINAIRES INSTALLED AT NORTH WEST SYDNEY METRO STATION NSW



TANGO 6 Products



MACARON 6 Products

RECESSED LUMINAIRES

RADO

When the emphasis is on the light and not the source, Ligman Australia Recessed luminaires are the perfect solution. Modern in design, yet subtle in presentation, Ligman Australia Recessed luminaires offer a broad range of applications in modern urban lighting design. From low-glare diffused lighting of pathways and gardens to a more intense and sharper lighting used to highlight architecture. Ligman Australia Recessed luminaires can be customised for any and every application.



RADO 10 Products

LIGMAN
AUSTRALIA

RADO RECESSED LUMINAIRES INSTALLED AT SOUTH MELBOURNE LIFE SAVING CLUB VIC





SOLAR

LUMINAIRES

NATURE SOURCE

Environmental consciousness comes to the fore with our smart, modern and eco-friendly range of Ligman Australia Solar luminaires. Every luminaire in the range features integrated motion, sunlight sensors and solar charging to extract the most energy from the sun, with each offering programmable dimming to optimise the saved energy.



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NATURE SOURCE 4 Products

POWERMISSION SOLAR LUMINAIRES INSTALLED AT HAZEL GLENN COLLEGE VIC





STREET & AREA LUMINAIRES

BILLUND
HAMILTON
LIGHT LINEAR PT
STEAMER
VEKTER

When it comes to street and area lighting, performance is everything. Street luminaires need to be flexible enough to deliver a breadth of different lighting distributions and intensities, depending on location and application. Here the customisable capabilities of Ligman Australia Street and Area luminaires are unmatched. Whether the requirement is for generalised lighting over large spaces or focused lighting to specific Australian standards, Ligman Australia has the smart solution.



BILLUND STREET AND AREA LUMINAIRES INSTALLED AT PUFFING BILLY CARPARK VIC



BILLUND 22 Products



HAMILTON 8 Products



LIGHT LINEAR PT 12 Products



STEAMER 4 Products



VEKTER 8 Products

SURFACE FACADE

LUMINAIRES

LUMINAIRES

Beautiful facade lighting turns buildings and urban design features into works of art. Ligman Australia Surface Facade luminaires have been designed specifically for the purpose of highlighting architectural and environmental detail, as well as accentuating objects such as columns and street art. Our Surface Facade luminaires are totally customisable and utilise our most advanced lighting technology MicroVOS™ to ensure maximum lighting effect is achieved.

ABACUS

JET

LEEDS

LIGHT LINEAR PT

LIGHTALK

MARVIK

PALETTA

QUARTER

SANDY

STEAMER

TANGO

VEKTER

LIGMAN
AUSTRALIA





ABACUS 5 Products



JET 12 Products



LEEDS 6 Products



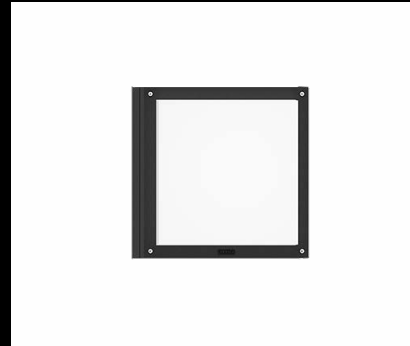
LIGHT LINEAR PT 4 Products



LIGHTTALK 12 Products



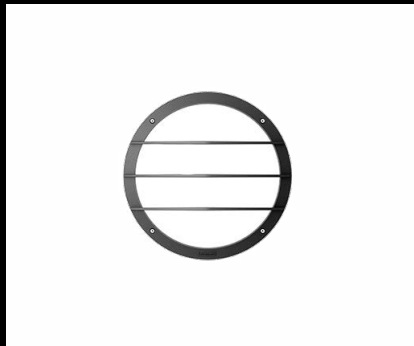
MARVIK 13 Products



PALETTA 3 Products



QUARTER 2 Products



SANDY 6 Products



STEAMER 4 Products



TANGO 12 Products



VEKTER 8 Products



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TANGO SURFACE FACADE LUMINAIRES IN USE AT THE COAL LOADER NSW







L-COLUMNS IN USE AT GLENELG MALL SA



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STEAMER STREET & AREA LUMINAIRES IN USE AT ST MARYS INTERCHANGE TERMINAL NSW



LIGMAN
AUSTRALIA

Powered by **ELS**

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