

# LPA Lighting Capability Statement



**Lpa**

LIGHTING  
AND ENERGY  
SOLUTIONS





# Why LPA?



## Knowledge & Experience

For over 30 years we have been providing lighting solutions across the globe. Our team have the knowledge and experience to deliver projects at any scale, in any location around the world.



## Design Services

Design is at the heart of everything we do. We provide customised and impactful solutions that consider zones, layers and fixtures to achieve the best possible lighting outcome whilst reducing maintenance and energy consumption.



## Global Sourcing

With offices across the globe, we leverage these locations to build suppliers and manufacturing relationships to be at the forefront in product innovation.



## Custom Bespoke Manufacturing

We produce custom bespoke fittings specifically for the project requirements. Working with a range of lighting designers locally and overseas to create the perfect solution for the project.



## Dedicated Project Management

Working as part of the client's extended team we manage supply, delivery, approvals and product lead times to ensure deadlines and budgets are met.



## Implementation Services

We directly support the joint project team throughout the installation process to ensure optimal illumination for the project.



## Energy Efficient Lighting Upgrades

LPA is an accredited provider of energy-efficient LED lighting installations able to create certificates for government schemes VEET and apart.



## Smart Lighting Solutions

We partner with 3rd parties to offer full end-to-end Smart Lighting Systems providing our clients with convenient ways of automating operation for optimal lighting results.



## Solar PV Solutions

We offer energy optimisation solutions to improve your bottom line and reduce your carbon footprint including solar solutions.

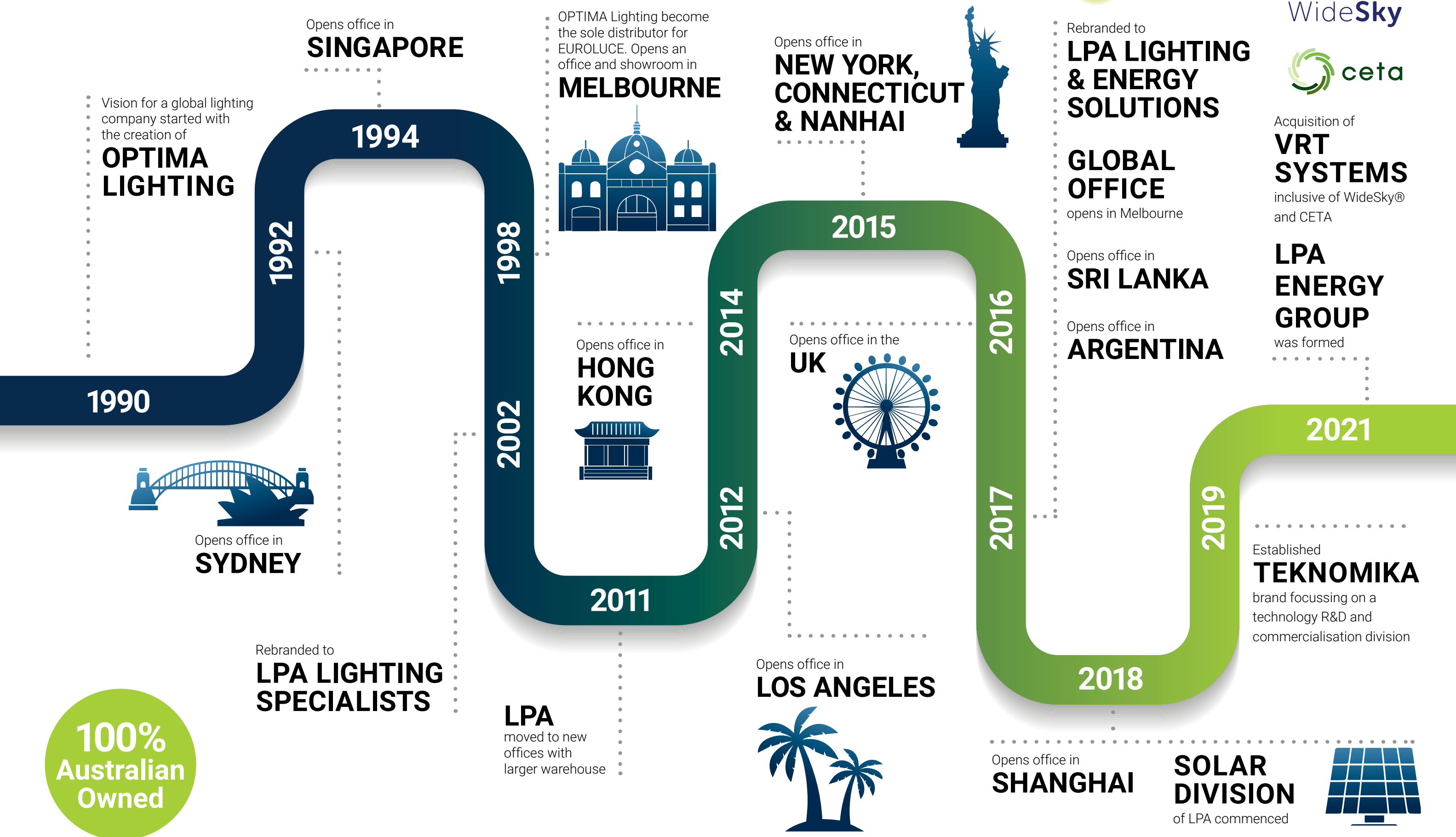


## Energy Management Solutions

We are honoured to be partnering with WideSky® to provide Energy Management Solutions. WideSky® is a cloud-based solution that provides powerful, real-time insights into all elements of your business operations.



## Our History





## About LPA

Founded in 1990 in Melbourne, LPA was established to fulfil a gap in the market by providing efficient solutions that reduce maintenance and energy consumption whilst exceeding clients' expectations. The business today has grown with offices across the globe and provides solutions to over 80 countries across the world.

LPA provides solutions to Architects, Designers, Electrical Engineers, Builders, Developers, Electrical Contractors, Government Authorities, Retail stores and facility Owners. With such a broad range of clients, we understand the dynamic lighting market and the positive end-to-end impact each project can have on our clients.

Since its inception, our primary sales activity has been at the forefront of professional lighting. Developing innovative, custom lighting solutions that meet the exact requirements of our clients in terms of aesthetics, economic efficiency, regional compliance regulations and environmental compatibility.

Now our business can assist with solutions in resource optimisation technology, offering the WideSky® energy management system. WideSky®

is a cloud-based, IoT solution that makes the invisible visible. WideSky® optimises operations for businesses, saving time, energy and money and assists in reaching sustainability objectives.

We are committed to reducing the impact on the environment by increasing the energy efficiency of our products and decreasing energy usage in the production processes. We partner with our clients, suppliers, and other third-party smart system integration specialists to continually create partnerships that make a difference for now and in the future.

LPA has achieved ISO accreditation for Quality ISO9001, Environment ISO14001 and Safety ISO45001. We provide quality services for the future.







COMMERCIAL



HEALTHCARE



EDUCATION



EXTERIOR LIGHTING



RESIDENTIAL



INDUSTRIAL



HOSPITALITY



RETAIL



# Lighting Design

The objective of lighting design is the human response, to see clearly and without discomfort.

At LPA our internal design team features highly experienced and passionate designers with broad industry understanding. We can service global design needs and regional requirements due to our global footprint and shared services model.

Using their vast technical expertise, our Design Team will provide cutting-edge design, focusing on reducing maintenance management and energy consumption whilst improving the overall lighting outcome for the client. Working alongside

Architects, Interior Designers, Engineers or project leaders to achieve optimal design intent, this includes the creation of the design, product selection and adherence to building standards and environmental certifications.

The result will be a design drawing pack that meets all requirements as specified by the client, reaching optimal light output with minimum power consumption.

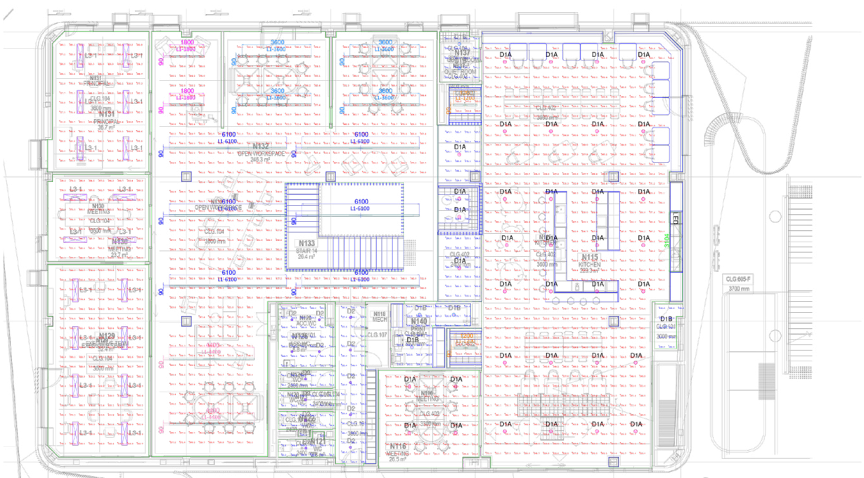
Our designs are custom and bespoke for our client needs whether it be creating a brand standard for a global retail roll out or performing to relevant building standards to fulfil the precise technical requirements ensuring glare control luminance and light uniformity ratio for video conferencing in a large boardroom.

Our structure for lighting design includes:

- Concept Development
- Lighting Documentation
- Design Development
- Site Visits (client meetings and on-site commissioning, if required)
- Project Coordination and Management of both the design stage and product logistics

Our lighting design would constitute the following:

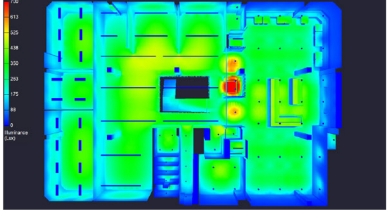
- A documented lighting design to include both high-level and low-level documentation
- Suggested detailing for integrated lighting
- Corresponding BCA Calculation
- Lighting schedule outlining the specifications of proposed fittings
- Fitting datasheet pack
- Lighting calculation outlining achieved lux levels, glare control and uniformity in accordance with Australian Standards AS1680 (or relevant regional standards)



1 LUX PLOT SCALE: NTS

LUMINAIRE SCHEDULE						
Tag	Label	LLF	Lum. Lumens	Qty	Lum. Watts	Total Watts
DIA	DIA LUX PRO M 28W 60DEG	0.800	2709	36	27.48	989.28
DIB	DIB LUX PRO M 21W 60DEG	0.800	2088	6	19.44	118.08
EQ	EQ LUX PRO S 11W 60DEG	0.800	1054	13	11.87	154.31
L1-1000	L1-1000 L1800 L1875 23W M 220LM M	0.800	2700	2	27.7	55.4
L1-1800	L1-1800 L1800 L1875 23W M 220LM M	0.800	4000	2	43.4	86.8
L1-3600	L1-3600 L1800 L1875 23W M 220LM M	0.800	8101	4	82.8	331.2
L1-4400	L1-4400 L1800 L1875 23W M 220LM M	0.800	9901	2	101.2	202.4
L1-6100	L1-6100 L1800 L1875 23W M 220LM M	0.800	13206	6	140.5	843.4
L3	L3 P16W 30W 1200X300 LGR119	0.800	3632	18	35.6	640.8

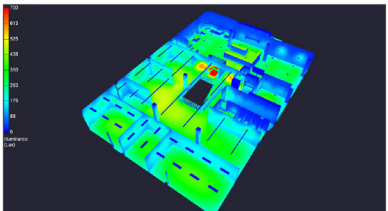
CALCULATION SUMMARY						
Label	CalcType	Units	Avg	Max	Min	Grid Z
2400 LOWER CEILING FLOOR	Lux		485.23	501.9	156.0	0
2220 1 HAPPYDAY BOOTH TABLE Top	Humance		138.32	268.5	310.2	0.75
2225 1 HAPPYDAY BOOTH TABLE Top	Lux		384.20	413.4	319.8	0.75
N115 RETAIL Workplane	Humance		268.72	488.9	180.7	0.75
N115 MEETING RM Workplane	Lux		342.03	433.6	136.0	0.75
N115 STONE Floor	Humance		188.15	192.2	0	0.91
N121 WC CORRIDOR Floor	Lux		235.97	436.7	169.5	0
N121 WC Floor	Humance		139.41	271.2	85.3	0
N122 WC Floor	Lux		181.30	248.6	66.0	0
N123 WC Floor	Humance		164.35	266.1	66.1	0
N124 WC Floor	Lux		164.49	266.1	66.7	0
N126 WC Floor	Humance		286.06	333.5	84.6	0
N128 EXECUTIVE TEAM Workplane	Lux		373.25	437.4	271.9	0.75
N130 MEETING Workplane	Humance		351.70	436.3	280.2	0.75
N131 PRINCIPAL Workplane	Lux		383.17	452.2	260.4	0.75
N132 OPEN WORKSPACE	Humance		414.30	551.1	216.4	0.75
N137 QUIET RM Floor	Lux		282.39	377.5	286.0	0
N140 PRINT Floor	Humance		328.01	487.3	175.3	0



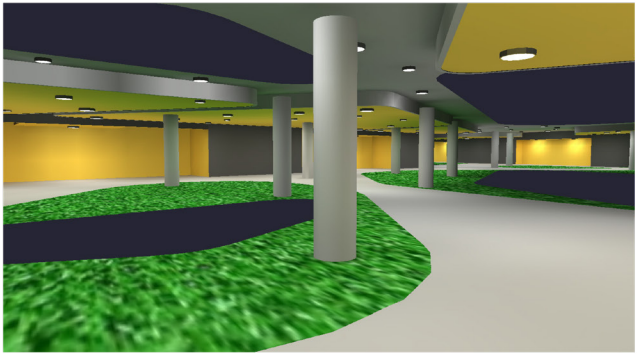
2 PSEUDO COLOUR RENDER SCALE: NTS



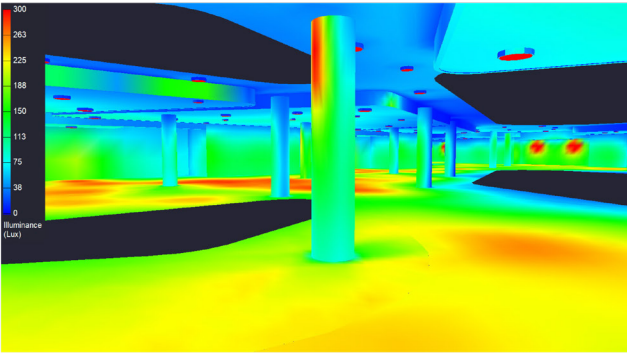
3 RENDER SCALE: NTS



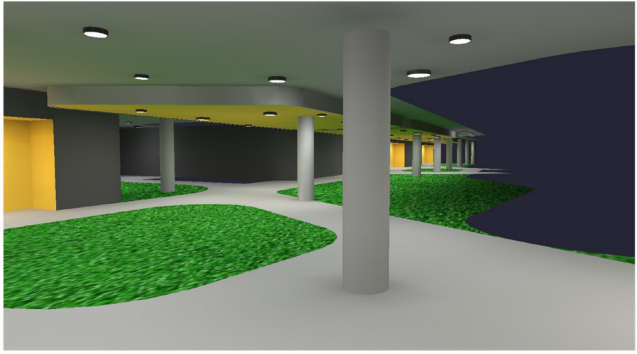
4 ISOMETRIC RENDER SCALE: NTS



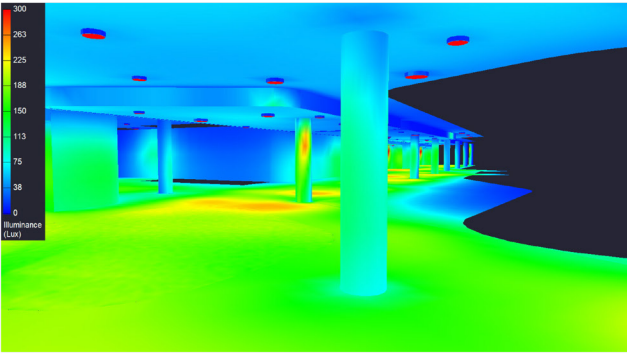
1 RENDER SCALE: NTS



2 PSEUDO COLOUR RENDER SCALE: NTS



3 RENDER SCALE: NTS



4 PSEUDO COLOUR RENDER SCALE: NTS







## Product Research & Development

Having access to industry knowledge from all over the world, our experienced research and development teams design and create luminaires that are at the forefront of innovation in terms of energy efficiency and global trends.

Our global manufacturing partners design and produce high-quality luminaires for LPA specifically to suit regional requirements.

We can work with exclusive global and regional manufacturers to create unique lighting solutions.

Each product is created by sourcing high-quality components which are then tested for quality, performance, and safety. This ensures we can provide products that comply with relevant standards across the globe.

As a result of having manufacturing partners in locations across the globe LPA can manage rapid development and volume production, this results in shorter lead times on orders, reduced purchase price and adherence to local certification standards.

With our network of manufacturers, suppliers, warehouses, and office locations our teams can deliver anywhere in the world.





# Smart System Solutions

As part of LPA Energy Group, we are able to provide smart lighting solutions. From Bluetooth lighting control to IoT data monitoring platforms, our purpose is to provide modern smart solutions for our clients that make a positive difference operationally, financially, and environmentally.

We work with integration partners to select the most appropriate lighting control and management technology for each specific project and client. This enables LPA to seamlessly deliver excellent lighting solutions matched to real-world client needs ranging from simple automation to highly complex dynamic scene & event control and remote oversight and control from any web-enabled device.

To maximize value from smart lighting systems LPA strongly recommends integration with other building systems through our WideSky® platform.

WideSky® provides a very robust cybersecurity layer and contextualizes the operational status, history and energy use of the lighting system. WideSky® also enables advanced real-time automated control functionality coordinated with other building systems and external factors such as weather forecasts.

WideSky® provides LPA customers unlimited aggregation and reporting of multiple sites, campuses and tenancies.

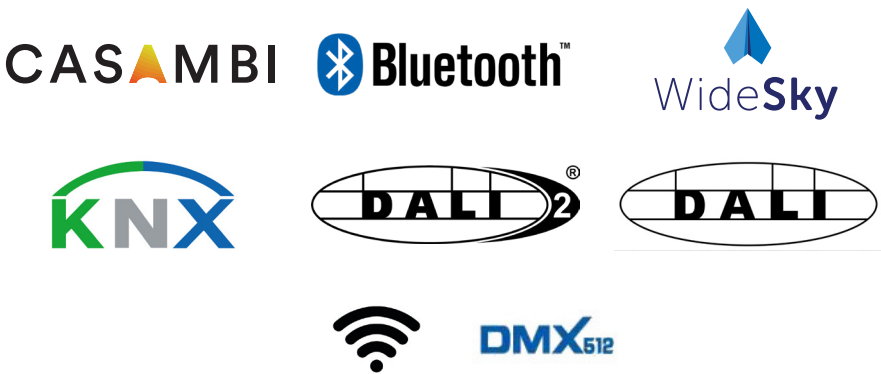
**WideSky®**  
Merging smart lighting systems with our WideSky® software management platform brings a new approach to the integration of all aspects of smart building data.

WideSky® is an Australian, cloud-based IoT system, developed to make it easier for you to unlock the value of your data. Our SaaS and hardware solutions connect to almost anything, integrating with legacy equipment, IoT sensors and third-party software, eliminating data silos and giving your data context and meaning.

WideSky® monitors, analyses and reports on energy usage, the indoor environment, and space utilisation in real-time giving you visibility, insight, and control over the performance of your working environment. Users can access live data from as many locations as their business needs, on any device, allowing businesses to more effectively manage resources and drive cost reductions.

With simple, user-friendly tools businesses can interpret and act on information that otherwise may not be easily understood, leading to faster, data-driven decisions, reducing risk and cost, improving well-being and benefiting the environment.

WideSky® measures and monitors anything you want to the level of detail you need, and reports it how you want, and to whom you want.





# Sustainability

LPA is committed to reducing the impact on the environment by increasing the energy efficiency of our products and decreasing energy usage in the production processes. We partner with our clients, suppliers, and other stakeholders to continually improve business processes that may affect the environment ensuring to measure, monitor and report on environmental management initiatives.

We drive our sustainability through three key pillars:



## PLANET

We are actively looking at solutions that assist our clients in minimising their footprint on the environment.

### Supply Chain

We have operational procedures that monitor our performance and we recognise that we are responsible for finding efficiencies throughout our supply chain to minimise our impact on the environment.

We care about minimising hazardous waste used in manufacturing by using recyclable components where possible and ensuring our service model maximises energy efficiency for our clients.

### Packaging

We use biodegradable packaging where possible including recycled cardboard and eco-friendly products. If possible, all incoming cardboard is reused for repacking.

### Recycling

Working alongside Ecocycle in Australia and Lumicom in the UK, LPA ensures responsible disposal of luminaires, fluorescent tubes, lamps and bulbs.



## PEOPLE

People make a difference and can make a change. From staff to suppliers to our clients we want to create a positive future for everyone.

### Business Integrity

LPA demonstrate a high level of professionalism with our employees, suppliers and manufacturers in complying with ethical and sustainable business practices.

We aim to reduce energy consumption and extend the life of products by staying up-to-date with the latest technologies and offering customers eco-compatible solutions.

### Partners

We build partnerships – establishing long-term and effective relationships with staff, suppliers, manufacturers and clients.

Our partners are committed to achieving the same outcomes and continually strive to improve all areas of the business in sustainable practices.

### Associations and Charity Partnerships

We partner with charities that are aligned with our business goals and vision and have memberships with associations relevant to regional industry requirements.



## PERFORMANCE

We want to ensure our processes and practices make a difference. By measuring performance, we can ensure we are doing so. We use the best product and backed by WideSky® we can monitor and validate our environmental impact.

### Product

LPA continues to drive innovation in LED technologies by working with our manufacturers and suppliers worldwide. We use the latest release LED and driver technology to offer our clients a longer-lasting, more durable product that offers better light quality.

LEDs use less energy, reducing energy costs as well as reducing maintenance costs.

Our products are tested for regional compliance providing assurance of quality and performance.

### Design

Lower wattages, higher lumen output and higher efficacy in our products allow us to focus on designing for local requirements. Further to the technical developments in LEDs, our design methodology includes increasing the use of dimmers and control systems to reduce energy usage.

### Controls & Sensors

LPA designs for the best light output using the most efficient fittings and are compatible with all control systems.

We are developing our energy management solutions in IoT technology and extending our offering to include resource optimisation software.

### Solar PV

We provide solar solutions with an attractive return on investments. We can assist in reducing energy consumption which can also be controlled and integrated with our WideSky® platform for real-time reporting and analysis.

### Implementation & Review

We are actively building an ecosystem of complementary technology partners in efficient HVAC, water treatment and similar systems.

By using WideSky®, we are able to monitor key objectives and targets allowing us to effectively manage our environmental performance using real-time data.







NIKE NYC OFFICE, USA



COUNTRY ROAD, AUSTRALIA



LULULEMON - HANGZHOU MIX CITY, CHINA



EARLWOOD RSL CLUB, AUSTRALIA



DEAKIN UNIVERSITY, AUSTRALIA



TEA FORTE, USA



BALMAIN RESIDENCE, AUSTRALIA



LEVI'S STRAUSS, UK



111 PACIFIC HWY, AUSTRALIA

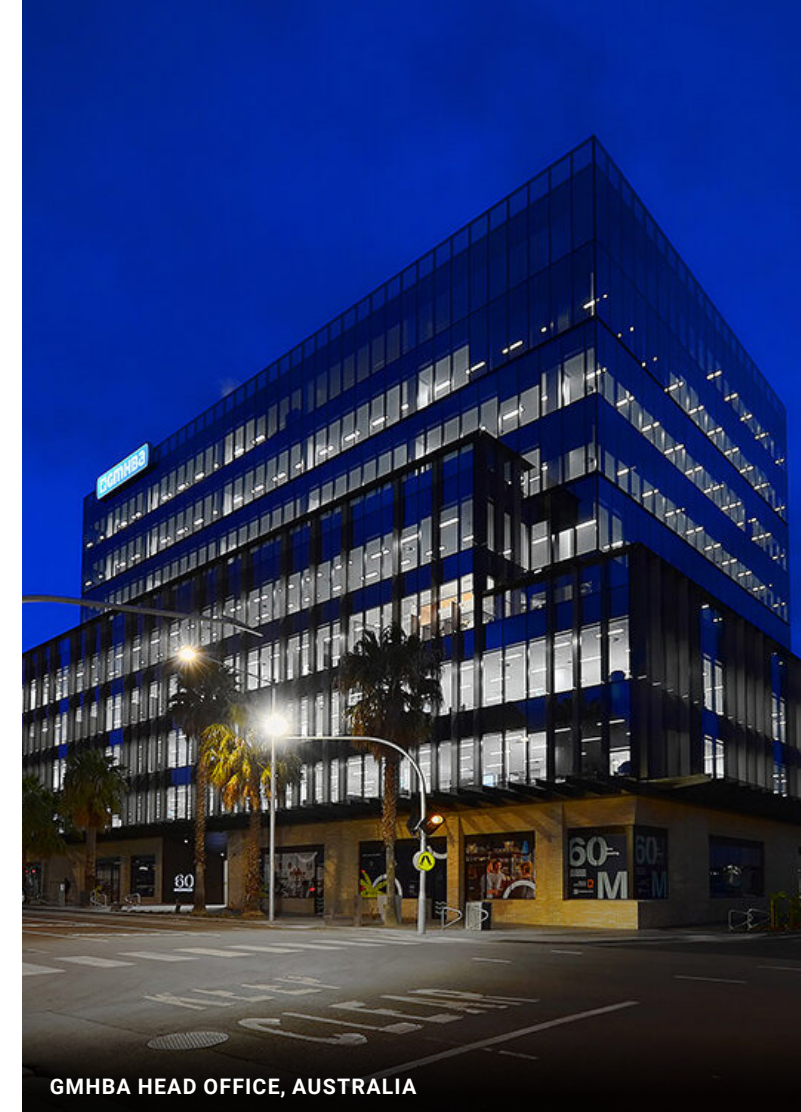




CANADA GOOSE, USA



THE BAYS HOSPITAL, AUSTRALIA



GMHBA HEAD OFFICE, AUSTRALIA



CABRINI HOSPITAL, AUSTRALIA



BACASH RESTAURANT, AUSTRALIA



HARVEY NORMAN, AUSTRALIA



NIO SHOWROOM - SHANGHAI, CHINA



DRURY LANE, UK



CHISHOLM INSTITUTE, AUSTRALIA



SOLISIUM, AUSTRALIA



COTTON ON DISTRIBUTION CENTRE, AUSTRALIA









VICTORIANA, AUSTRALIA















SUBTYPE, NEW ZEALAND











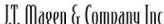



Some of Our Valued Clients























































## We Build Partnerships

Contact us today to discuss your next project



[lpalighting.com](http://lpalighting.com)