Capability Statement

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.

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

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.

Energy Efficient Lighting Upgrades
LPA are an accredited provider for energy efficient LED lighting installations able to create certificates for government schemes VEET and iPART.

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

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.

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.

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

Dedicated Project Management
Working as part of the clients extended team we manage supply, delivery, approvals and product lead times to ensure deadlines and budgets are met.

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

Vision for a global lighting company started with the creation of
OPTIMA LIGHTING

1990

Opens office in
SYDNEY

1992

Rebranded to
LPA LIGHTING SPECIALISTS

1994

Opens office in
SINGAPORE

1998

LPA
moved to new offices with larger warehouse

2002

OPTIMA Lighting become the sole distributor for EUROLUCE. Opens an office and showroom in
MELBOURNE

2011

Opens office in
HONG KONG

2012

Opens office in
NEW YORK, CONNECTICUT & NANHAI

2014

Opens office in the
UK

2015

Opens office in
LOS ANGELES

2016

Rebranded to
LPA LIGHTING & ENERGY SOLUTIONS

GLOBAL OFFICE
opens in Melbourne

Opens office in
SRI LANKA

Opens office in
ARGENTINA

2017

Acquisition of
VRT SYSTEMS
inclusive of WideSky® and CETA

2018

Opens office in
SHANGHAI

SOLAR DIVISION
of LPA commenced

2019

Established
TEKNOMIKA
brand focussing on a technology R&D and commercialisation division

2021

100% Australian Owned

About LPA

Founded in 1990 in Melbourne, LPA was established to fulfil a gap in the market of 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 facilities Owners. With such a broad range of clients we understand the dynamic lighting market and the positive end to end impact each individual project can have for our clients.

Since 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 is able to assist with solutions in resource optimisation technology, offering 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 impact on the environment through 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 for the future.

LPA is committed to achieving ISO9001, ISO14001 & ISO45001 accreditations in 2022.

International Organization for Standardization ISO 9001

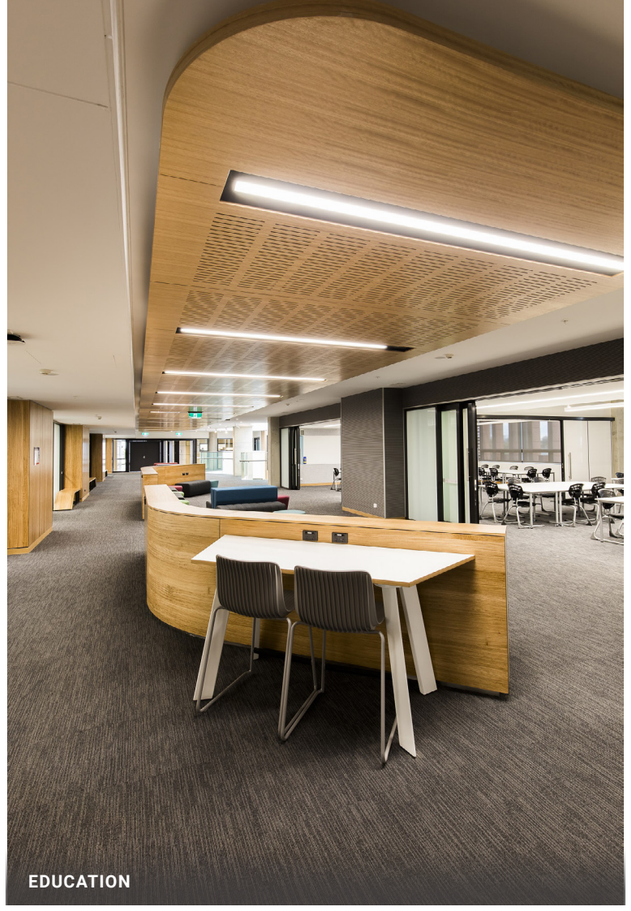
International Organization for Standardization ISO 14001

International Organization for Standardization ISO 45001

lpa LIGHTING AND ENERGY SOLUTIONS

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 have the ability to 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, focussing 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 end 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

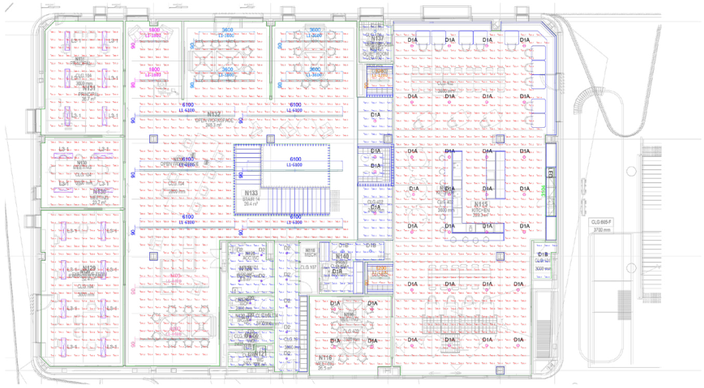
Our lighting design would constitute the following:

- 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)

Green Building Council Australia

NABERS

INTERNATIONAL WELL BUILDING INSTITUTE WELL



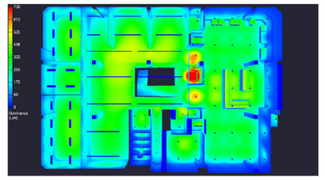
1 LUX PLOT
SCALE: NTS

LUMINAIRE SCHEDULE

Tag	Symbol	Label	LLF	Lum. Lumens	Qty	Lum. Watts	Total Watts
D1A		D1A LUX PRO M 28W 60DEG	0.800	2709	36	27.45	980.28
D1B		D1B LUX PRO M 2 1W 60DEG	0.800	2088	6	19.68	118.08
D2		D2 LUX PRO S 11W 50DEG	0.800	1054	13	11.87	154.31
L1-1200		L1-1200 LU8733 23W M 2250LM M	0.800	2700	2	27.7	55.4
L1-1800		L1-1800 LU8733 23W M 2250LM M	0.800	4050	2	41.4	82.8
L1-3600		L1-3600 LU8733 23W M 2250LM M	0.800	8101	4	82.8	331.2
L1-4400		L1-4400 LU8733 23W M 2250LM M	0.800	9901	2	101.2	202.4
L1-6100		L1-6100 LU8733 23W M 2250LM M	0.800	13726	6	140.9	845.4
L3		L3 PH36 36W 1200X300 UGR19	0.800	3632	18	35.6	640.8

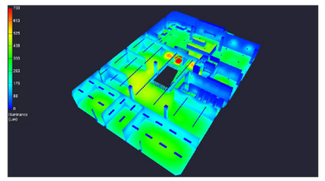
CALCULATION SUMMARY

Label	CalcType	Units	Avg	Max	Min	Grid Z	Min/Avg
2400 LOWER CEILING FLOOR	Illuminance	Lux	495.23	921.9	156.0	0	0.32
J229 1 HAPPYDAY BOOTH TABLE_Top	Illuminance	Lux	336.32	360.5	310.2	0.75	0.92
J233 1 HAPPYDAY BOOTH TABLE_Top	Illuminance	Lux	364.20	413.4	319.8	0.75	0.88
N115 KITCHEN_Workplane	Illuminance	Lux	308.72	469.9	102.1	0.75	0.33
N116 MEETING RM_Workplane	Illuminance	Lux	342.03	433.6	136.0	0.75	0.40
N117 STORE_Floor	Illuminance	Lux	163.15	192.2	132.2	0	0.81
N121 WC CORRIDOR_Floor	Illuminance	Lux	235.97	430.7	109.5	0	0.46
N121 WC_Floor	Illuminance	Lux	159.41	271.2	63.3	0	0.40
N122 WC_Floor	Illuminance	Lux	161.20	249.0	66.9	0	0.42
N123 WC_Floor	Illuminance	Lux	164.35	266.1	69.1	0	0.42
N124 WC_Floor	Illuminance	Lux	164.49	266.1	68.7	0	0.42
N126 WC_Floor	Illuminance	Lux	286.06	393.5	84.6	0	0.30
N129 EXECUTIVE TEAM_Workplane	Illuminance	Lux	373.25	437.4	217.9	0.75	0.58
N130 MEETING_Workplane	Illuminance	Lux	351.70	430.3	256.2	0.75	0.68
N131 PRINCIPAL_Workplane	Illuminance	Lux	383.17	462.2	240.4	0.75	0.63
N132 OPEN WORKSPACE	Illuminance	Lux	414.30	551.1	218.4	0.75	0.53
N137 QUIET RM_Floor	Illuminance	Lux	282.39	317.5	236.0	0	0.84
N140 PRINT_Floor	Illuminance	Lux	324.01	407.3	175.3	0	0.54

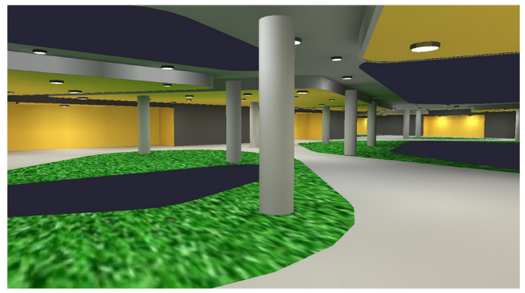


2 PSEUDO COLOUR RENDER
SCALE: NTS

3 RENDER
SCALE: NTS



4 ISOMETRIC RENDER
SCALE: NTS



1 RENDER
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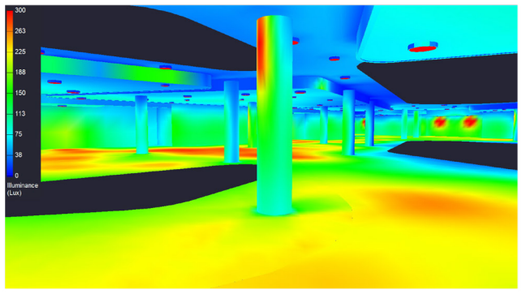

2 PSEUDO COLOUR RENDER
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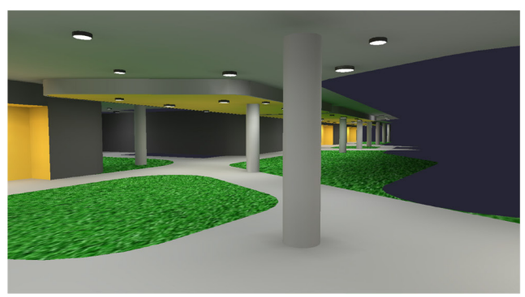
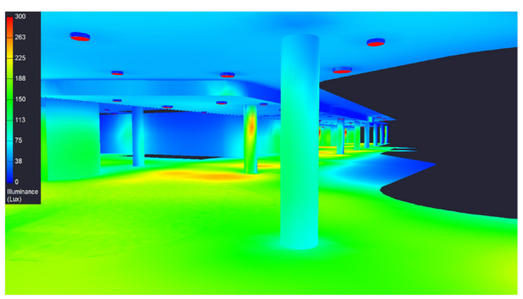


3 RENDER
SCALE: NTS



4 PSEUDO COLOUR RENDER
SCALE: NTS

LIGHTING AND ENERGY SOLUTIONS

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 are able to work with exclusive global and regional manufacturers to create unique lighting solutions.

Each product is created through sourcing high quality components which are then tested for quality, performance, and safety. This ensures we can provide products which 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 are able to deliver anywhere in the world.

lpa LIGHTING AND ENERGY SOLUTIONS

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 through 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 contextualize 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 wellbeing and benefiting the environment.

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

CASAMBI Bluetooth WideSky

KNX DALI 2 DALI

DMX512

lpa LIGHTING AND ENERGY SOLUTIONS

Sustainability

LPA is committed to reducing impact on the environment through 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 the difference and can make the 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 to ethical and sustainable business practices.

We aim to reduce energy consumption and extend the life of products by staying up-to-date with 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 to 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 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 for quality and performance.

Design
Lower wattages, higher lumen output and higher efficacy in our products allows us to focus on designing for local requirements. Further to the technical developments in LEDs, our design methodology includes increasing 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 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.

lpa LIGHTING AND ENERGY SOLUTIONS

NIKE NYC OFFICE, USA

LULULEMON - HANGZHOU MIX CITY, CHINA

EARLWOOD RSL CLUB, AUSTRALIA

DEAKIN UNIVERSITY, AUSTRALIA

TEA FORTE, USA

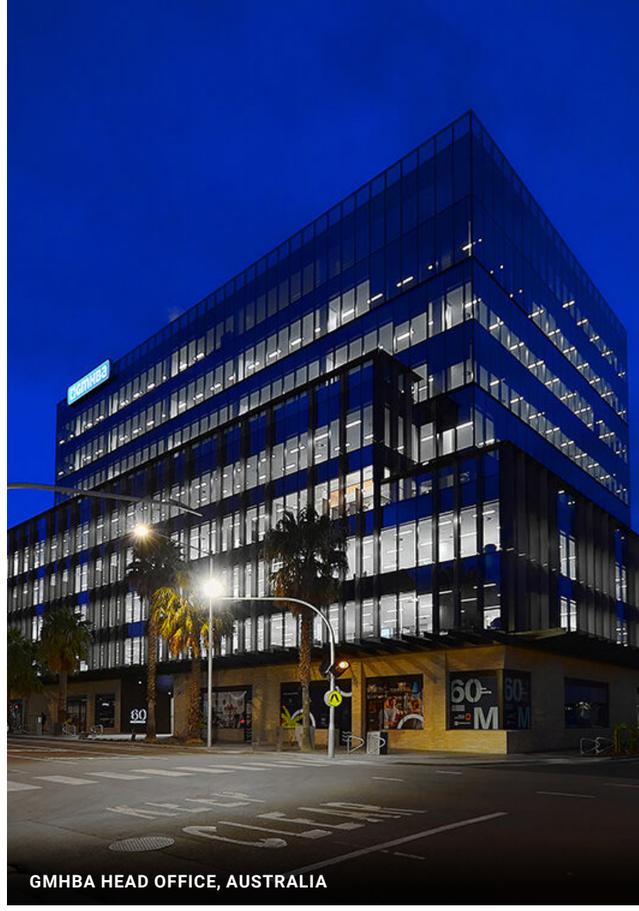
BALMAIN RESIDENCE, AUSTRALIA

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

7-Eleven · Accent Group · adidas · AMC Networks · American Express · atiyah Food Culture

Austin Health · BATESSMART · Built · Buildcorp · Cabrini · Calvin Klein

Canada Goose Arctic Program · Cera Stribley · Cotton On · Country Road · Fantastic Furniture · Giorgio Armani

GMHBA · Gray Puksand · Harvey Norman · Hilton Hotels & Resorts · Huawei · Hugo Boss

Hype · Jimmy Choo · Jo Malone London · J.T. Mazen & Company Inc. · Kane · L&L Holding Company

Lacoste · La Trobe University · Levi's · lululemon · Maben · MonashHealth

Monash University · Multiplex · ndis · Nike · Nio · Noise

Platypus · Puma · Ralph Lauren · Red Design Group · reece · RMIT University

Samsung · schiavello · Starbucks · Telstra · theAlfred · The Just Group

The University of Melbourne · Tommy Hilfiger · TPG · Toyota · Uniqlo · vodafone

lpa Lighting and Energy Solutions

We Build Partnerships

Contact us today to discuss your next project

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