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# COMMERCIAL LIGHTING

Offices • Education

# Bright Ideas for modern spaces.



Creating workspaces that enhance **performance and wellbeing**. Discover the benefits of human-centric lighting.



# Creating healthier, happier workplaces.

The way we work is **evolving**, and so too is the modern work environment.

As the design of commercial buildings shifts towards improving employee health, moods and performance, we are seeing just how profound the effect of lighting choices in a space can be.

Light has been identified as one of the seven most important factors impacting health and wellbeing. Given that many of us spend an average of 8-9 hours per day working indoors, lighting quality becomes critical to the effectiveness of a space.

In fact, smart and efficient lighting can lead to healthier and happier workplaces.

Research shows that employees feel a greater sense of belonging in companies that are committed to reducing their carbon footprint and demonstrate genuine care for staff by providing a safe, well-designed workspace that promotes collaboration and a sense of wellbeing.

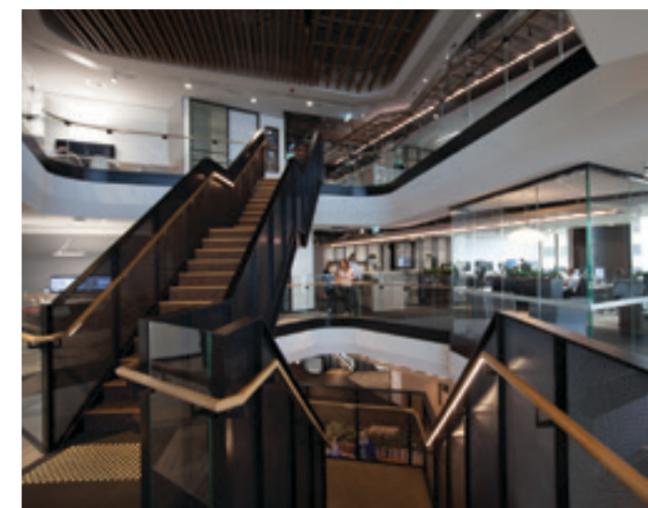
Further to this, a study published by WorldGBC has reported that quality of sleep and productivity increased by 15% for workers who sit close to a window.

For offices with limited natural light, we can aid restful sleep and improved performance with human centric lighting solutions that change throughout the day to suit the needs of the environment and support the natural circadian rhythm.

Where office lighting was once all about complementing the architecture and interior design of a building, it must now also meet the demands for developing green building certified offices and adhering to updated Section J6 codes by the NCC, which aim to reduce energy consumption per square metre. This requires a deep understanding of the impact lighting can have on people, and access to the most efficient lighting product and systems on the market.



200 GEORGE STREET



# Pierlite in commercial spaces.

When it comes to creating a **well-lit space**, there is more to it than **meets the eye**.

Understanding the impact light has on people allows us to design the atmosphere of a space rather than simply control the brightness.

By complementing natural daylight with intelligent artificial lighting solutions, we can create healthier and more enjoyable workplaces.

A space can be designed to improve productivity by facilitating better concentration and collaboration on individual tasks – all while actively reducing energy usage and greenhouse emissions.

Pierlite's innovative approach to lighting integrates the latest technology and systems to deliver energy-efficient solutions that can adapt to the needs of each indoor environment and the people within them.

Our team of lighting experts engineer solutions to not only meet building standards but exceed them with products that are as sustainable as they are beneficial. Focusing on smart, human centric lighting, we're transforming spaces and bringing interiors to life.

Combining the latest technology with innovative thinking, Pierlite harnesses the power of natural light with solutions that:

- Adapt to future technologies;
- Promote mental and physical wellbeing;
- Improve sustainability and efficiency.



# Lighting the way.



## Next-generation solutions for today.

Understanding the **impact light** has. Just as **natural light changes** throughout the day, so too should **the lighting** within a space.

It's why our products and systems are engineered to provide greater flexibility and control over lighting across an entire network - and switching lights on and off is just the beginning.

The digital age and the Internet of Things (IoT) allows us to create fully connected solutions with the ability to adapt to new technology as it emerges. Our range of sensor-ready luminaires can integrate with your existing or preferred control system.

From setting the ambience and colour rendering to improving energy efficiency by only providing light when it's needed, Pierlite offers future-proof solutions for commercial buildings of all sizes.

## RAPIX Lighting Control System.

Unlike 'one size-fits-all' competitive offerings, our RAPIX Lighting Control System is a new DALI and Ethernet based system that is purpose-built for commercial buildings. The RAPIX Lighting Control System strips away layers of complexity to greatly accelerate the design, installation and commissioning of lighting control. It has the ability to seamlessly work with any DALI fitting, regardless of the manufacturer.

# Lighting designed for people.

Light plays a significant role in everyday life. It **stimulates** our internal body clock, impacting how **we feel** at different times of the day.

Natural variations in daylight helps to support health, wellbeing and performance. So, it comes as no surprise that the ideal workspace is one with a view to the outdoors and exposure to natural light.

In offices where sunlight isn't possible, lighting design becomes paramount.

At Pierlite, we develop quality, human centric lighting solutions to bring the benefits of daylight to the indoors.

Integrating tuneable luminaires with high colour rendering and low glare factor, we can simulate the normal transitions of sunlight throughout a day. With integrated sensors that detect the availability of daylight and a variety of user-controlled setting, Pierlite designs human centric solutions that can adapt to fit the needs of its environment.

Human centric lighting in a workplace, together with other factors such as improved air quality, thermal comfort and access to nature, is proven to improve overall wellbeing, reduce absenteeism and provide physical comfort throughout the workday.



# Creating energy-efficient spaces.

At Pierlite, we're focused on **next-generation lighting** – and looking after future generations.



With recent research into the benefits of improving wellbeing within commercial spaces and updates to building codes (Section J6 NCC), there is increasing interest in achieving compliance to national and global sustainability standards, such as NABERS, GreenStar and WELL.

Our commercial lighting solutions put sustainability in the spotlight and are designed to support your building plans and reduce waste.

Using the latest manufacturing technology and enforcing stringent quality standards, we develop smart and efficient luminaires. It ensures our lighting solutions are reliable, fit for purpose and engineered to last.

The benefits of which also offer considerable savings for workplaces by reducing both energy consumption and replacement costs.

Combining the power of LED with innovative control systems, Pierlite is here to help you achieve the highest building ratings, without compromising on quality or reliability.



Lighting in commercial buildings, such as offices and educational institutions, has a number of important functions. Traditionally, lighting design has been used to enhance architectural elements of building façades and interiors. But today, that is only the beginning of what we can achieve through lighting.

Well-designed lighting can help improve wellbeing, increase concentration and creativity, and promote a sense of belonging for staff and students alike.

Combining the latest sustainable LED technology and modular manufacturing techniques to reduce wastage, we can also actively improve energy efficiency to create more sustainable workspaces.

## Pierlite Office Lighting Solutions

Transforming offices into inviting workspaces that energise employees and enhance wellbeing.

## Pierlite Educational Institution Solutions

Lighting designed to promote learning, improve concentration and inspire creativity.

# Office lighting to promote success.

The corporate world of today demands more of an organisation and its employees. There is a **strong focus** on improving productivity and company culture, and **the ambience** within an office has a huge part to play.



Gone are the days of dull office cubicles. An open plan layout with access to natural light and indoor greenery to improve air quality supports the people working within the space, encourages collaboration and improves team morale – translating to happier and more motivated employees.

In fact, the latest research shows that a well-designed office featuring adequate, quality lighting can have a dramatic effect on wellbeing and, consequently, performance.

Where natural daylight isn't always available, we can supplement it with smart, human centric lighting.

Pierlite develops solutions that mimic natural variations in sunlight, and tailors each space to meet specific goals. Occupancy detection and daylight sensing ensures there is adequate lighting when required, but switches off when a space is empty to reduce energy consumption throughout a building.

Incorporating a complete, intuitive lighting control system allows employees to adjust the light to suit specific tasks. Areas can be dimmed to encourage collaboration and discussion, or optimised to facilitate focus – all while providing a high level of comfort throughout the day.

For tasks that require long periods of concentration, clear and comfortable lighting is key. A circadian lighting system, used to match daylight levels, improves focus and energy. Adding to this with task lighting, such as a suspended fixture, that synchronises with the room's ambient light is ideal for desk-based functions.

Where collaboration is the goal, a variety of user-controlled lighting settings means the light can be adjusted to suit the mood and intended use of the space, whether it be to spark discussion in breakout areas or enhance viewing of screens in a conference or meeting room.

No matter the space, Pierlite tailors lighting solutions to enhance building architecture, maximise energy efficiency and create just the right atmosphere to help drive success in any business.



PIERLITE OCULED TROFFER



SITECO SCRIPTUS LED MODULAR SYSTEM



DOT PERFORMANCE SERIES DOWNLIGHTS

# Smart lighting solutions to inspire learning.

Places of learning have a **diverse range** of functions, each with **specific requirements**.

Together with indoor air quality, acoustics and thermal comfort, lighting plays a significant role in the health, wellbeing and performance throughout an educational facility.

Whether it be focus, creativity or collaboration, Pierlite designs spaces to bring out the very best in teachers and students. We do this by tailoring solutions based on who uses the space and what they use it for.



In classrooms, a student's gaze is constantly moving from the educator to the board or interactive screen, as well as to their peers and surroundings. If the lighting isn't adequate, this can lead to fatigue and eye strain, causing concentration levels to drop.

We understand that uniformity and consistency in the quality of light can improve concentration in the classroom. Using integrated control systems and dimmers to adjust the color temperature and illumination of lighting, we can positively impact sleep, mood, motivation, concentration and, ultimately, nurture academic performance.

Other areas within a school, such as lecture theatres, auditoriums and sports halls, require different levels of illuminance, as recommended by the AS/NZS light design standards. It is also important to consider that these types of facilities may serve multiple functions, such as a sports hall which is also used for exams or assemblies, with different lighting requirements.

Our integrating lighting control systems allow users to adjust the settings at any moment. From changing between light levels to controlling colour temperature, educators can quickly and easily create just the right atmosphere based on the needs of the space at the time.

Other areas within a school can make use of occupancy and daylight sensing, which automatically adjusts the light level based on the availability of natural daylight, or simply turns the fitting off when the room is empty. It's an effective way to ensure adequate lighting of a room when it is needed while also offering significant long-term savings by improving energy efficiency across the facility.



PIERLITE MOMENTUM 1 TROFFER



PIERLITE SLENDER PANEL GEN 2



PIERLITE MAYE LED PENDENT

# Pierlite - Lighting the future.

With a strong heritage in **innovation and design** manufacturing, Pierlite is Australia's leader in **architectural, industrial** and **commercial lighting systems** for indoor and outdoor spaces and is one of GLG's flagship brands.

Backed by over 70 years of superior technical service, our team of highly skilled lighting experts and engineers, deliver cutting-edge lighting solutions across a wide range of applications – from offices, industrial warehouses, healthcare, aged facilities, food preparation facilities, schools and more.

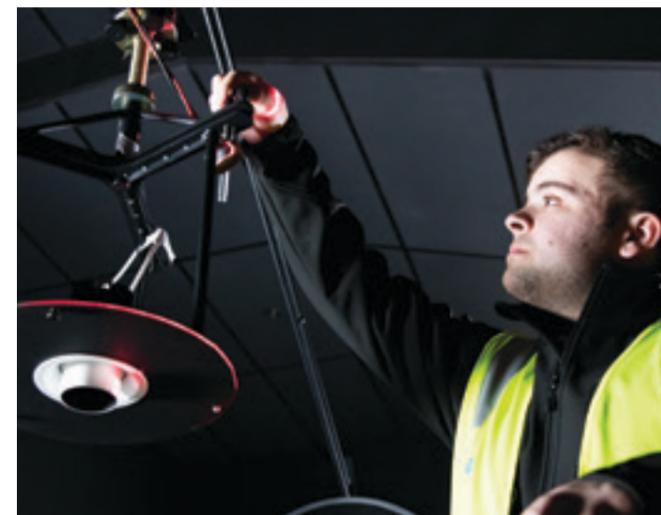
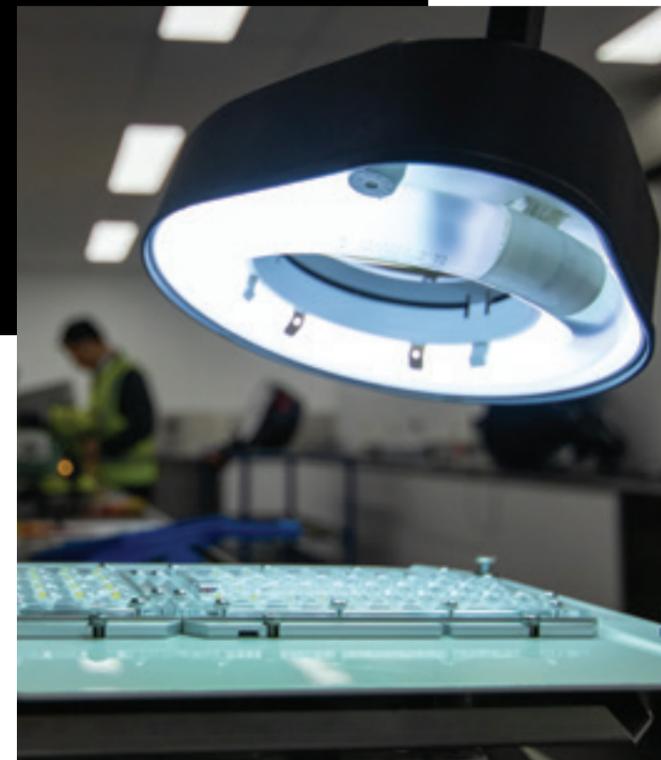
We are committed to pushing the boundaries with energy efficient and sustainable lighting solutions, without compromising on product safety and quality.

Now, with the largest lighting lab and testing facility in the southern hemisphere, we are equipped to continue to drive the development of innovative, future-proof lighting. Our 640m<sup>2</sup> Innovation Centre is a state-of-the-art engineering and laboratory facility built for delivering custom product design and full compliance testing – the only one of its kind in Australia.

Encompassing photometry; thermal and endurance chambers, IP chambers and more, the Innovation Centre enables Pierlite to develop lighting solutions that not only meet but far exceed Australian Standards and ensure the highest quality for customers.

Pierlite has also recently launched Composer, a digital configurator which enables Design-on-Demand with technical documentation, compliance, 3D models, pricing and codes available in moments of submitting product requirements. Product can then be delivered in a matter of weeks, not months. This is a service and product range that will reimagine lighting for this generation and the next.

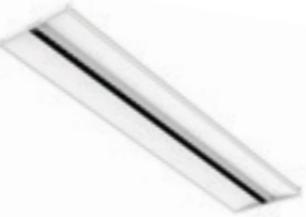
With renowned reliability, proven quality and unsurpassed service and support, you can rest assured that you are in good hands with Pierlite.



INNOVATION CENTRE

## Pierlite Recommended Products

Visit [www.glg.lighting](http://www.glg.lighting) or search for the products on your preferred search engine

Offices		
		
		
		
PIERLITE NEVADO LED TROFFER	PIERLITE DLED2 LED TROFFER	PIERLITE SLENDER PANEL GEN 2
PIERLITE OCULED TROFFER	PIERLITE MOMENTUM 1 TROFFER	PIERLITE DARK DOWNLIGHT
DOT PERFORMANCE SERIES DOWNLIGHTS	PIERLITE DARK DOWNLIGHT	SITECO SCRIPTUS LED MODULAR SYSTEM
PIERLITE BLADE 2 LED EXIT LIGHT	BWP PRO 2 LED EMERGENCY WEATHERPROOF BATTEN	PIERLITE PATHFINDER 2 LED EMERGENCY LIGHT

Education		
		
		
		
PIERLITE MOMENTUM 1 TROFFER	PIERLITE DLED2 LED TROFFER	PIERLITE DARK DOWNLIGHT
PIERLITE SLENDER PANEL GEN 2	DOT PERFORMANCE SERIES DOWNLIGHTS	PIERLITE DARK DOWNLIGHT
PIERLITE MAYE LED PENDENT	PIERLITE MAXI MASTER GEN II	PIERLITE ARION LED LINEAR HIGHBAY
PIERLITE WARDEN 2 DALI INDUSTRIAL	PIERLITE PATHFINDER 2 LED EMERGENCY LIGHT	PIERLITE BLADE 2 LED EXIT LIGHT



[www.glg.lighting](http://www.glg.lighting)

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