



PHILIPS
dynalite

Corporate profile

Philips Dynalite

Fully integrated lighting control and building automation solutions for every project.

Leading the world

in fully integrated lighting control and building automation solutions, since 1989

- **Philips Dynalite creates** sophisticated, reliable, and energy-efficient lighting control solutions for residential, offices, retail, hospitality, industry, stadiums, public spaces, and more.
- **Philips Dynalite leads** the industry with over 25 years of total commitment to delivering innovative energy management, home/building-automation, and architectural lighting solutions.
- **Philips Dynalite invests** significantly in R&D to remain world leaders in lighting management systems.
- **Philips Dynalite integrates** advanced functionality with aesthetic and sustainable lighting control to enhance ROI, productivity, and user comfort.
- **Philips Dynalite achieves** global recognition for its solutions, and is the system of choice for projects involving third-party integration – from small to large.
- **Philips Dynalite ensures** that your projects are delivered on time and supported through life with an extensive portfolio of hardware and software products and local and regional support services.

AAMI Stadium
– Melbourne,
Australia



Philips Dynalite

– the intelligent choice

When you choose Philips Dynalite, you are selecting the world's finest lighting control system. Tried and tested in more than 30,000 projects, we have implemented some of the largest and most extensive control networks around the globe. The same robust technology can be used in any application, on any scale.

Philips Dynalite is a business that forms part of the Global Systems Group within Philips Professional Lighting Solutions. The Global Systems Group now includes several worldwide leaders in LED lighting and advanced lighting controls – including Color Kinetics, Dynalite, CityTouch, Large Luminous Surfaces and Teletrol.

Combined, these groups offer over 80 years of market knowledge and experience in developing best-in-class lighting solutions and controls. By bringing these organizations together, the Philips Global Systems Group builds on our extraordinary strengths and depth of expertise to bring industry-leading connected lighting systems to our valued customers and partners.

Our experience and expertise are unrivaled and our reputation is based on delivering successful outcomes for difficult and challenging projects. So, it is not really a matter of "Why use Philips Dynalite?" but "Why use anything else?"

Burj Khalifa
– Dubai, UAE

© Stanislav Bokach /
Dreamstime.com





Benefits when using the Philips Dynalite system

Preset lighting control

This is more than just on/off lighting control. Dynalite controls allow you to create ambience and recall different lighting scenes to suit your mood and the occasion.

Distributed control and monitoring

You can configure, control and monitor all the lights and system components from any point on the network and generate system status reports.

Ease of installation and configuration

The DyNet system is easier to install and takes less time to configure than conventional systems.

Flexibility in design

When layouts or control methods require modification, Envision software enables changes to be carried out by a simple reprogramming of the system.

Energy savings

By using intelligent lighting systems, lighting is only used when needed. Natural light is harvested and supplementary lighting adjusted accordingly, resulting in optimized environmental performance and minimized operating and maintenance costs.

Scalability

Philips Dynalite adopts a flexible approach to accommodate building churn – changing tenancies, fluctuating staff numbers and varying office activities. User interfaces can access any function, and all output channels can be easily reconfigured without wiring changes. The same components can be used in a single-room application or in larger projects involving thousands of controlled units.

Advanced integration into other systems

The Philips Dynalite range of integration devices and network gateways allow the DyNet system to work in conjunction with other systems, such as blinds, audio-visual, temperature control and building management systems.

Increased lamp life

The Philips Dynalite soft start and surge-limiting voltage regulation technologies protect lamps from high inrush currents and power surges, dramatically increasing lamp life.

Perfect LED dimming

Advanced technology from Philips Dynalite enables flicker-free dimming of LED lamps.

Our greatest achievements



1 Burj Khalifa, Dubai

World's tallest building

With 2,000 rooms over 160 floors containing integrated lighting control solutions, residents, guests and visitors alike are living the high life.

Image © Typhoonski / Dreamstime.com

2 Petrochina, Beijing

China's largest oil and gas producer and distributor

A new benchmark for 'green' building performance and efficiency has been set in China with the installation of the world's largest DALI lighting control system at the time.

3 Westfield London

Europe's largest shopping mall

With 150,000 square meters of floor space, an advanced site-wide automated lighting control system enhances the shopping experience.

4 Mumbai Airport

One of the largest airports in the world

Terminal 2, spread across 400,000 square meters and capable of handling 40 million passengers per year, is centrally controlled and monitored by a fully integrated Dyalite lighting control system.

Image supplied and used with permission of GVK Mumbai International Airport Pvt. Ltd.

5 One Shelley Street

Achieved 'World's Best Practice' certification and six star 'Green Star' rating.

The Philips Dyalite advanced lighting control system delivers optimum lighting to enhance workplace productivity and energy efficiency.

Photograph by: Richard Drew, Slikpics Photography

6 City of Dreams

Macau's leading visitor destination

This lavish entertainment destination attracts 23 million visitors a year. The Philips Dyalite system complements the complex's bold contemporary lighting, while optimizing operational efficiency.

7 Adelaide Entertainment Centre (AEC)

South Australia's premier concert/theater venue

The Philips Dyalite system fully controls the AEC's 2,500-person theater as well as the spectacular Philips Color Kinetics colored light shows that illuminate the iconic entry 'Orb'.

8 Ningbo Park Hyatt

The first Park Hyatt resort in China

The Philips Dyalite system manages all lighting, heating and curtain/blind controls throughout the 100,000 square meter hotel, including all public areas and each of the 236 guestrooms.

9 Rijksmuseum

Amsterdam's grandest and largest museum

The Philips Dyalite system provides flexible and dynamic control throughout all 9,500 square meters of the art display, ensuring balanced lighting for all exhibits.

10 The Scarlet Hotel, UK

Multi-award winning eco-hotel

The innovative Philips Dyalite lighting control system meets stringent environmental, functional and architectural criteria, proving that luxury can coexist with high levels of energy efficiency.

Creating exceptional environments for key applications

The strength of the Dynalite system has been proven across a wide range of application sectors, from residential to retail, hospitality to healthcare, sports arenas and large venues, to industry and outdoor applications... and much more.

Office and Commercial spaces

Inspiring and energy-efficient

- Stimulates productivity
- Optimizes energy use and earns credit points with energy-rating systems such as Green Star, BREEAM and LEED
- Minimizes operating and maintenance costs
- Tailors work areas to specific tasks
- Accommodates future layout and occupancy changes
- Integrates with other systems into a Building Management System (BMS)
- Automates recurring functions

Hotels

A memorable stay and a great return

- Optimizes guest experience and stakeholders returns
- Creates inviting ambience in public areas, back-of-house spaces and guestrooms
- Helps build brand differentiation
- Integrates with BMS to execute preprogrammed scenes
- Allows guests to personalize the ambience/comfort of their guestroom
- Provides site-wide 'plan-view' control for facility manager





The Pole House
– Victoria, Australia
Image used with permission
of owner Kathi Adams.
Photography by Simon Lakey.

Residential

Making smart homes a reality and a good investment

- Expresses individual style and creates tailored ambience to match function, mood or occasion
- Provides seamless integration with third-party control systems – including audio-visual, curtain, blind, louver, pool, watering, security and temperature control
- Optimizes user comfort and energy efficiency
- Offers a scalable solution, from individual homes to larger multi-dwelling developments
- Allows easy management/reconfiguration of all automated controls via tailored touchscreens, keypads and smart devices

Retail

A distinctive retail experience with increased trading and reduced costs

- Creates dynamic retail environments that strengthen brand identity and promote business
- Tailors lighting moods to individual displays/products and themed days
- Maximizes customer engagement to enrich the overall shopping experience
- Optimizes energy efficiency while maintaining the desired shopping ambience
- Controls a wide range of lighting types, including the latest energy-saving LED luminaires

Westfield
– London, UK



Stadiums and large venues

Create unforgettable events, enhance brand image and boost your business

- Provides lighting configuration flexibility, giving total lighting control to venue and facility managers
- Tailors lighting themes to musical performances, sports, concerts and exhibitions, with full DMX integration
- Provides engaging, comfortable, consistent and safe environments for spectators, players, performers and guests
- Enhances audience enjoyment with a premium event experience
- Optimizes energy efficiency by providing the right light in the right areas at the right times
- Ensures uniform lamp-burning hours and facilitates group lamp replacement
- Delivers premium lighting conditions for the best possible HDTV broadcasts

Casinos

Easy-to-use control helps create world-class facilities with operational efficiency

- Delivers functional, ambient and responsive lighting to the casino floors, hotel rooms, restaurants and dramatic façade lighting – all linked to one easy-to-operate control system
- Allows local and global control with full graphical display of system
- Supports schedules/maintenance activities
- Unmatched reliability through distributed intelligence
- Offers virtually unlimited scalability, allowing the lighting control system the flexibility to grow with the complex
- Seamless integration with HVAC, AV, security and theatrical DMX lighting systems
- Enables color-changing LED control with programmable themes
- Improved energy efficiency and operational cost reduction



Shenyang Olympic Sports Center Stadium
– Shenyang, China



And beyond...

There is no end to what a Philips Dynalite system can control – places of worship; hospitals and healthcare facilities; schools, universities and other educational institutes; galleries and museums; airports; public and outdoor space; and much, much more.

- Creates and implements attractive and engaging environments with optimized levels of comfort and safety, enhancing the public's sense of participation and wellbeing
- Minimizes the environmental impact on the local area, while strengthening city branding and identity
- Creates a welcoming environment and enhances architectural beauty

Our Global Facilities

Philips has four global research and development facilities – Eindhoven, The Netherlands; Burlington, USA; Bangalore, India; and Sydney, Australia – that work together to provide solutions for our customers.

Philips Dynalite sets the standard in research and development – particularly in the area of energy management and sustainable lighting controls technologies. Our Sydney headquarters and manufacturing facility is the Philips Lighting Global Centre of Competence for indoor networked controls.

The success of Philips Dynalite is testament to our program of continual process improvement. Substantial investment in design, manufacturing and logistics technology ensures rapid product development cycles and response times. We are committed to producing quality products using components and manufacturing processes that meet the most stringent international environmental standards. This is demonstrated through our adherence to directives, including RoHS and REACH Compliance, which restrict the use of hazardous materials in the manufacture of electronic and electrical equipment; and the WEEE initiative that sets collection, recycling and recovery targets for electrical goods to help reduce toxic waste.





Marks & Spencer
– Dubai, UAE

Our Products

The Philips Dynalite range of products comprises: controllers, into which lighting and other loads are connected; user interfaces, which give the user the power to interact with the system; and integration devices, which are used to connect additional systems so they communicate/perform seamlessly as one. A comprehensive suite of Envision software products and network accessories completes our extensive offering.

At the center of the Philips Dynalite system is DyNet, a sophisticated communications protocol based on distributed-control architecture. This approach ensures reliable operation by eliminating the vulnerability associated with a centralized-processor design.

The Philips Dynalite modular product ethos improves system flexibility, provides a scalable platform for system design and facilitates the accommodation of unique product application requirements.

For further information on the Philips Dynalite product range, please visit www.philips.com/dynalite or request a copy of the Philips Dynalite Product Portfolio catalogue.

Our Services and Support

The Philips Dynalite service and support offering simplifies the ongoing upkeep, operation and enhancement of your Philips Dynalite lighting control system. Extending beyond typical maintenance and service programs, our service and support offering comprises a selectable and customizable range of support, training and maintenance services, designed to protect your lighting control investment – simply and effectively.

Philips Dynalite can also assist in the project management of your lighting control applications, streamlining lighting project management timelines through the provision of commissioning/troubleshooting services from experienced lighting engineers and technicians.

We also ensure our global network of resellers and dealers is kept up-to-date with the latest technological developments through regular specialist lighting controls training. Third-party electrical installers and system integrators also have access to educational installation seminars. The aim is to create a marketplace with increased numbers of lighting control experts who are able to provide better solutions and faster project delivery.

Setting new global benchmarks in energy management

Energy management through end-to-end solutions

The Philips Dynalite lighting control infrastructure underpins the fully integrated environment that is the future of building/energy management systems worldwide.

When combined with the broad selection of energy-efficient light sources and luminaires from Philips Lighting, the Philips Dynalite lighting control system gives users the confidence to create ambience, develop innovative and distinctive lighting themes and transform environments.

By implementing a range of energy management strategies, such as presence sensing, zoning, daylight harvesting, dimming and time-based control, users can optimize energy use, while maintaining comfort levels and maximizing cost savings.

LED-ing the way

Philips Dynalite is an industry-leading expert in the control of energy-saving LEDs for both greenfield and retrofit applications, across a range of industry sectors. Leveraging vast technical expertise and experience, we are able to ensure the resulting control protocol/LED combination delivers maximum energy savings, while accommodating the building's lighting requirements – now and into the future.





www.philips.com/dynalite

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