



©ignify
Dynalite

Large Venues

Lighting and space control solutions
for stadiums, arenas and auditoriums.

Leading the world in smart lighting control solutions

At Signify Dynalite, we understand the importance of lighting for sporting activities and large public space. From local community sports to the world's biggest sporting events, Dynalite is lighting up stages for intimate performances, grand concerts and conference centers all around the world.



Stadiums &
Arenas



Theatres &
Auditoriums



Conference &
Convention Centres



Attractions &
Theme Parks



Museums &
Galleries



Cinema
Complexes

In order to provide engaging, comfortable and safe environments for spectators, players, performers, guest and delegates, it's critical that these venues have specialised and sophisticated lighting control systems.

For over 20 years year, Dynalite controls have been at the forefront of many large venues worldwide, providing lighting flexibility, enhancing the audience experience and giving total lighting control to venue and facility managers.

Our global portfolio of stadiums and arenas include:

AAMI Park, Australia. Adelaide Entertainment Centre, Australia. ACC Liverpool, England. Singapore Turf Club, Singapore. Vector Arena, New Zealand. Suncorp Stadium, Australia. Skilled Park, Australia. Beijing Olympic Site – Shenyang Stadium, Tianjin Olympic Center, China. O2 Arena, England. Sydney Olympic Park – Superdome, Shooting Centre and Velodrome, Australia.

Benefits of the Dynalite solution at a glance



- We deliver simple, smart and easy-to-use lighting control solutions that provide advanced functionality, versatility and operational efficiency.
- Dynalite provides fully customisable user interfaces with the ability to evolve over time, to meet the changing demands of large-scale and diverse stadiums and arenas.
- Our lighting control systems enable operations staff to quickly and effortlessly create ambience, develop innovative and distinctive lighting scenes and transform environments with the touch of a button or a click of a mouse, to complement events and performances as well as enhance a venue's atmosphere.
- To enhance reliability, a dual redundant backbone to mitigate any system failure can be easily incorporated into the lighting control system.
- The Dynalite lighting control solution ensures that all functional, architectural and theatrical lighting, seamlessly integrate into the one system.
- The advanced lighting control system can help deliver excellent monitoring and control management benefits and optimum operation at all times, enabling significant energy and maintenance savings.

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The Dynalite system at work



A – Stadium lighting

Different field lighting can be selected depending on the event – from team training to big international events.

B – Decorative lighting

Giving a venue a unique look and feel that can match the excitement of the game or performance.

C – Spectator lighting

Enhancing the live game experience by lighting up the spectator area. The system allows lighting to be managed and tailored for the event type and size.

D – Public facilities

Energy management of facilities areas ensures lighting is turned off after the event.

E – Scoreboard

Integration with any large screens and field level advertising signage / scoreboard messaging. The push of a button selects a lighting scene, from training to live game action.

F – Control room

Bring all the lighting elements together, regardless of the event.

G – Corporate boxes

The next level of entertainment – allowing for dimming and colour control to create the right atmosphere during the event.

H – Food and drinks

Coordinating eateries and other outlet lighting during the event.

I – Change rooms

Change rooms are equipped with motion detectors so that the lights are on when the rooms are occupied and are off when they are vacant..

J – External signage

Communicating to those outside about the current and upcoming events.

K – Public access areas

Control over the access lighting for more efficient use of the venue's power consumption.

L – External lighting

Attracting the audience into the venue.

Providing effective controls for public access areas

With a Dynalite control system managing all the public areas in a large venue, you can be confident that the lighting will be flawless for every event. Staged 'switch-ons' sequentially turn on lighting from the car parks through to the rest rooms and can change by time of day and type of event, to give you the perfect setup every time.

The controls can be tailored to suit the needs of each operator, to present a simple, effective, error-free user interface, making every person's job just that little bit easier.

Controlling the eateries, storage areas, toilets, change rooms and function areas, the environmentally conscious Dynalite system provides a lighting management tool that implements energy saving modes for lighting when areas are unoccupied, without compromising safety or the guest experience.

'After hours' and 'clean up' modes can be used to reduce unnecessary energy consumption after the crowds depart but still keep the areas manageable while staff finish up. Once you are ready to close the venue, a whole building 'shutdown' mode can be selected by a single touch-of-a-button, activating a staged switch off while allowing adequate egress lighting for staff.

Products and technology



Signify Dynalite specialises in the provision of end-to-end smart lighting and space control solutions rather than just products and systems. We know that the critical links between products like LEDs and other traditional light sources, drivers and luminaires and a fully integrated solutions environment is the control capability. Our lighting control infrastructure underpins a fully integrated environment.

We utilise a simple building block approach – start with basic on/off control and incorporate time-based, sensor and dimming controls as well as powerful monitoring and reporting solutions to provide the ultimate in energy conservation.

Integration

Dynalite lighting control systems also integrate with third-party building management equipment such as HVAC, security and audio-visual devices which means multi-purpose stadium operators can take control of every event and easily manage lighting schemes while minimizing energy demands.

Most stadiums have high intensity sports lighting, which is switched off most of the time. Other areas may be lit by halogen or fluorescent lighting, which may be switched or

dimmed. Usually, each of these areas has to be separately planned and programmed for each activity. Not with a Dynalite intuitive lighting control system.

Dynalite supports all lamp types, to enable venue managers to tailor lighting schemes to individual sporting events, musical performances and exhibitions to provide visitors with a memorable event experience.

User interfaces

The size of a stadium or arena dictates that the lighting control system must have a primary control point to monitor and manage the lighting for the entire facility. It needs to be flexible and easy to operate allowing the user to select the correct setup for each specific event from a single button touch.

A Dynalite lighting control system coordinates all of these functions into one simple interface. Whether it's illuminating a pitch, corporate hospitality suites, or a stage, the system provides sophisticated and simple control of the complete venue from an intuitive graphical user interface, wall mounted switch or a touchpanel.



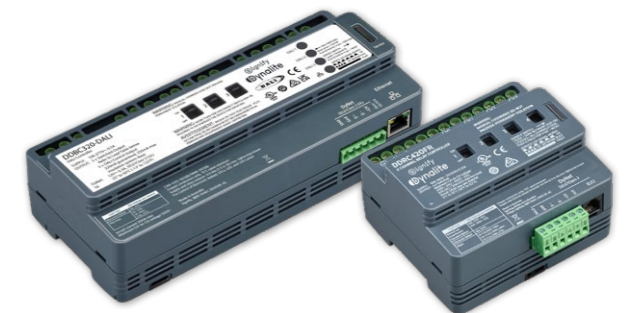
Touchscreens offer secure access and intelligent control of scheduling, scene editing, diagnostics, and local environmental sensing



Dynalite control panels are available with custom text engraving or iconography options for intuitive user control.



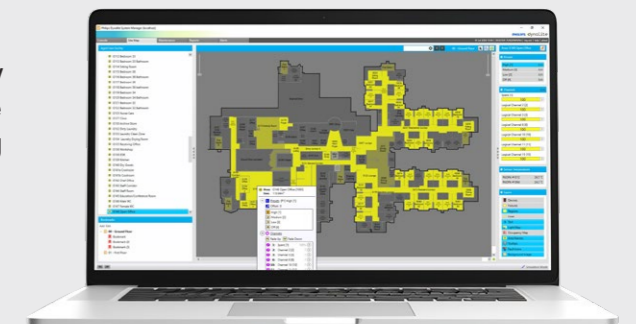
Surface or recess mounted occupancy sensors manage energy savings across back of house.



Compact, high powered controllers can be located close to light sources to reduce infrastructure costs. Manual overrides ensure the show can go on whatever happens.

Dynalite Software

Facility and venue managers can take control of every facet of their lighting system as part of a facility-wide energy management strategy. A sophisticated lighting control system can incorporate macro actions, smart scheduling, occupancy sensing and demand response/load shedding to generate significant cost savings in any large-scale environment and to help realize sustainability goals.



Creative lighting for the success of your venue

Dynalite's Arena experience, helps you to harness the amazing power of lighting to create an unforgettable impression of outside and inside the stadium – before, during and after an event.

A leading, well established partner for major sporting events and stadiums worldwide, we can help you provide the optimum lighting solution from start to finish.

To enhance many different aspects of your stadium, our Certified System Integrators provide everything from consultancy, design & implementation, to service, maintenance and unique insights into emerging new technologies.

They also work closely together with other suppliers and partners.

Around the Arena

- The carpark is illuminated by energy saving LED's.
- Light the route from the train station to the stadium in the same way.
- When people catch a glimpse of the stadium, they can see something truly iconic

Inside the Arena

- Once inside, they will be enticed by efficient and appealing retail outlets, in which key merchandise is given extra attention.
- Hospitality suites can easily be illuminated in sponsor colours.
- Lighting can be used to change the ambience for conferences, informal get-togethers and parties.

The Pitch

- On the pitch, lighting plays a key role in creating exactly the right setting for sporting events as well as for live music and many other forms of entertainment.
- Beyond lighting, integration with multimedia audio-visual systems create never-before-possible opportunities to entertain, inform and advertise.



Benefits in the Signify approach

Experience, Consultancy & Quality

The end result is about outstanding quality, regardless of the performance, sport, event and unique challenges represented by your venue.

Flexibility

Creative lighting allows your venue to become multifunctional and increases potential for revenue generation.

Attractiveness

By generating ambience inside and outside the venue, you inspire people to arrive earlier, stay longer and tell others how much they enjoyed the experience.

Sustainability

Modern energy-efficient lighting is a relatively simple way to save significant amounts of money every year.

Total cost of ownership

Lower running costs, more business through enhancement of your brand image, and the right kind of lighting has a considerable impact on your bottom line.



Perth Stadium, Perth, Australia

O2 Arena

London, UK



Signify Dynalite joined with lighting designers Speirs + Major to light one of London's internationally recognized architectural landmarks, the Millennium Dome (now known as the O2 Arena).

With an extensive network of extravagant theatrical and entertainment lighting, the brief called for sophisticated switching, dimming and colour control.

The Dynalite solution was to install 3,000 channels of switching, dimming and DMX512 control, all connected to one smart and integrated network for foolproof operation.

While the lighting was visually elaborate and intricate, a System Manager server provided simple-to-use site-wide graphical interfaces. Additionally, LCD touchscreens and local scene selection panels were used. Smart interface units were provided for the entertainment lighting control system and the whole system was externally connected for remote maintenance and programming.

To ensure superior reliability and security, the system was wired as several networks, interconnected with Network Bridges; a main network ring inside the Dome, local networks for each of the six core buildings, two external networks, the central show network and connections to and from the show system.

“ With a reputation as a provider of innovative and reliable lighting control solutions for outdoor public spaces, Dynalite was chosen to install an innovative control system to meet the demands of an extensive network of theatrical and entertainment lighting. ”

AAMI Park

Melbourne, Australia



AAMI Park, an iconic 31,000 seat purpose built rectangular pitch stadium, is an elite sporting venue that's home to Melbourne Victory and Melbourne Heart soccer teams, the Melbourne Storm rugby league team and the Melbourne Rebels Super 15 rugby union team.

Lighting AAMI Park required careful planning and the most advanced lighting control equipment to ensure suitable lighting throughout the public and corporate areas as well as providing world-class pitch illumination.

A powerful centralised Dynalite lighting control system has complete control of all stadium and function lighting within the venue and also complements the energy-efficient design of the stadium.

The system monitors and adjusts lighting for the entire stadium, ensuring adequate lighting levels for players and spectators. Importantly, the system is flexible, easy to program for different events, user-friendly and can be controlled with a click of a mouse.

“ Incorporated into the pitch illumination system is a dual redundant backbone to mitigate any system failure. ”

Adelaide Entertainment Centre

Adelaide, Australia



An impressive \$52 million redevelopment of the Adelaide Entertainment Centre in South Australia included a bespoke Dyalite lighting control system that has helped to put the venue back on the map as a premier concert and theater destination.

The lighting control system incorporates innovative technology that allows functional and revolutionary new architectural and theatrical lighting to work side-by-side in the new theater and Orb. It also integrates with the lighting control installations in the existing complex to ensure ease of operation and avoids having to re-train staff.

The system provides operation and management of both functional and decorative lighting circuits as well as control of specific architectural and theatrical lighting effects in the Orb.

Importantly, the system allows all venue lighting to be easily controlled from a single interface.

“ The Dyalite lighting control system has ensured all functional, architectural and theatrical lighting have come together in a coordinated way. ”

Beijing Olympic Sports Sites

Beijing, China



The Beijing 2008 Olympic Games was not only a platform for sporting excellence but also an opportunity for the Chinese government to showcase its commitment to conserving energy. And that's where Dyalite entered the Games.

Dyalite's involvement with the Beijing Olympics began when they were asked to deliver lighting control systems that would help to reduce energy costs in ten purpose-built Olympic venues as well as at the Olympic Press and Convention Centre.

The solution was simple. All ten venues were controlled by Dyalite intelligent switching technology – simple on/off control of lighting – to provide maximum energy savings. The larger venues – Shenyang Olympics Sport Centre Stadium and Tianjin Olympic Centre, also incorporated a mix of network gateways and interfaces to seamlessly connect to audio-visual and building management systems.

A mix of relay controllers were used across all of the venues to effectively control any type of switched load. The relay controllers were DIN rail mountable and designed to be installed into a switchboard next to the circuit breakers feeding the circuits to be controlled.

Using a 'feed through' design for the power circuits, electrically equivalent to a 4, 6, 8 or 12-pole contactor, provided the additional advantage of each pole being separately controllable via the Dyalite network.

“ With a proven track record in providing successful lighting control strategies for the Sydney 2000 Olympic Games and for stadia around the world, Dyalite won the right to deliver innovative and advanced control solutions for Beijing Olympic venues. ”

ACC Liverpool

Liverpool, UK



ACC Liverpool is one of the United Kingdom's most flexible entertainment, sports and business facilities and now it has a lighting control system to match.

Dynalite designed and installed a single integrated lighting control and automation system that supports the entire facility and delivers a high degree of adaptability, configurability and integration with the lighting.

Lighting schemes can be quickly and easily reconfigured to meet the needs of the different events and performances held at the venue.

An extremely complex system has been made very easy to operate and manage, giving staff real operational flexibility.

With staff able to control lighting from any one of seven PCs throughout the complex or from a series of user control panel interfaces, the day-to-day management of the complex's lighting is a simple task. Plus, the system has also delivered powerful energy management, saving on running costs.

“ The Dynalite lighting control system has brought excellent operational flexibility and energy optimization to ACC Liverpool. ”

Singapore Turf Club

Kranji, Singapore



When the world-class Kranji racecourse complex in Singapore was recently upgraded, a key component of the project was ensuring that the lighting was reliable, always available for training and race meetings and provided excellent visibility and visual comfort for race goers.

In addition, the flood lighting system needed to incorporate time and manual control capabilities on-site and for remote operation. Monitoring the energy consumption of each lighting tower was also critical to help achieve energy savings.

Dynalite responded with a tailored system that is intelligent enough to deliver excellent monitoring and control management, is flexible enough to integrate and optimize existing systems and delivers significant energy savings.

“ The advanced Dynalite lighting control system has not only delivered excellent monitoring and control management for the racecourse's lighting, but has also achieved significant energy savings. ”



To learn more about our control solutions
visit [dynalite.com](https://www.dynalite.com)

www.dynalite.com

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