

Until recently, the requirements for casino lighting were mainly achieved through tailored lamp selection to satisfy requirements for minimum lighting levels and reliable operation. Typically operated as standalone systems, each area within the casino was commonly provided with hard-wired redundancy, with back-up power supplied from diesel generators.

These legacy systems lack central control, the ability to graphically view the network, set schedules, programs presets, produce lighting themes or integrate with third-party systems. A Dynalite solution encompasses all these modern requirements and much more. Compatible with the latest LED luminaires, a Dynalite lighting control system can achieve stunning aesthetic lighting designs, as well as ensuring optimized illumination for CCTV and gaming applications.

- Allows local and global control with full graphical display of system
- Preset scene control for different usage types
- Enables color-changing LED control with programmable themes
- Supports schedules/maintenance activities
- Delivers unmatched reliability through distributed intelligence
- Offers virtually unlimited scalability
- Seamless integration with HVAC, AV, security and theatrical lighting systems

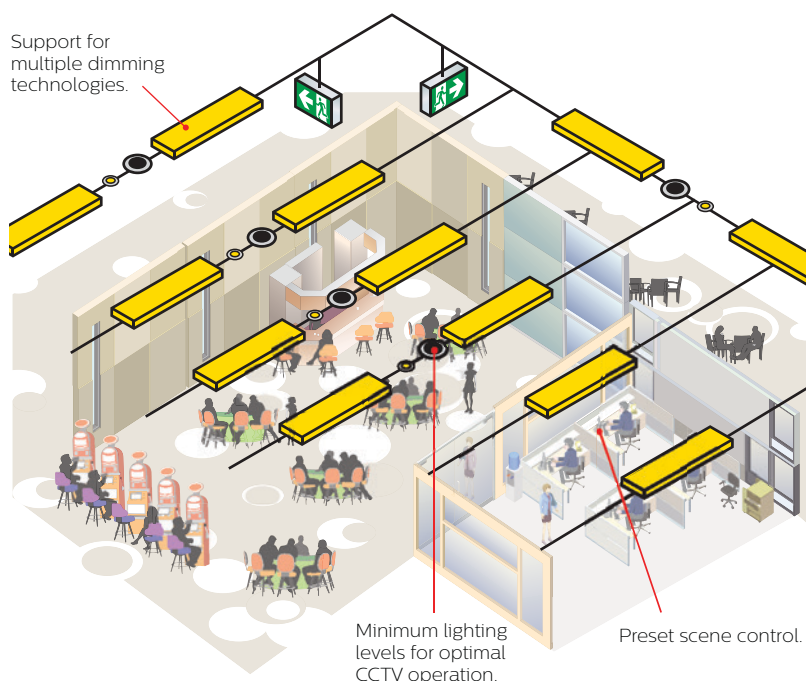
The Dynalite differentiator

A Dynalite casino lighting control system overcomes the problems associated with legacy lighting control solutions for this market. It offers a reliable and flexible platform that delivers unprecedented levels of control, monitoring and management. An important element of this is the EnvisionManager head-end software, which provides a graphical display of the system, scheduled control, system alerts and SMS/email notifications.

System control is facilitated by the software configuration of environments, which allows programmed themes, light shows and moods to be easily created and replicated. Meanwhile, the inclusion of alerts and lamp-life monitoring for mission-critical applications enhances operational visibility to ensure a rapid response to maintenance issues and emergencies.

Robust reliability

A key feature of the Dynalite system is the reliability achieved through distributed intelligence – effectively delivering inherent hardware/wiring redundancy. Added to this, the integral fault detection/isolation means there is no central point of failure. Flexibility is assured through the intrinsically scalable nature of the Dynalite platform, easily accommodating changing requirements over time without the need for costly rewiring.



A Dyalite lighting control system is designed for 24/7 reliable operations. In an industry where downtime can result in consequential damage costs of thousands of dollars per minute, the importance of dependability cannot be overstated.

System outline

The Dyalite platform comprises a trunk and spur topology, with network bridges/gateways to sub-networks and third-party systems. This arrangement allows all devices to communicate with each other over a common network, maximizing flexibility without compromising system integrity. For example, DMX gateways enable all house and show lighting to be controlled simply through a single lighting desk, while network gateways facilitate seamless HVAC, AV, and security integration.

The Dyalite portfolio includes load controllers that cater for all possible lighting loads, configurable to achieve automatic load shedding on standby power and staggered start-up to even out in-rush currents and false tripping. Moreover, phase rotation of alternate fittings spreads the load to ensure not all the lights will go off in the event of a power failure.

The modular philosophy of the Dyalite solution entails the use of common building blocks. As well as supporting system stability and integrity, this approach also promotes scalability, allowing the lighting control network to grow to meet developing business demands over time.

