RAPIX
LIGHTING
CONTROL SYSTEM

Version 1 .3, March 2018

END USER BRIEF

GERARD LIGHTING

DALI

DALI Xi
EXTENDED INTELLIGENCE

DIGINET
CONTROL SYSTEMS

Delivering Exceptional Project Outcomes

RAPIX is designed in Australia from the ground up to **deliver exceptional project outcomes** by saving time, saving energy and saving money for commercial building projects and applications.

Save Time
Reduce design and commissioning times with the future of commercial lighting control.RAPIX forever changes how DALI lighting control systems are designed and commissioned.

Save Energy
Smart energy saving strategies deliver real bottom line results for property developers and tenants alike. RAPIX makes saving energy in commercial applications simpler and easier than ever before.

Save Money
RAPIX delivers on the triple promise of saving time, energy and money. When you choose RAPIX you start saving money right away with less hardware to install, less time needed to commission and less time needed to maintain,

RAPIX solves the time and complexity issues previously associated with delivering Lighting Control projects for all stakeholders making this process simpler, faster and easier.

The RAPIX suite consists of 3 main components, which are integrated into a single outcomes based platform:

1. **RAPIX Addressing** – Fast DALI programming. *Halve DALI programming times*.
2. **RAPIX Emergency** – Monitored Emergency Lighting to AS2293 Compliance with One Click
3. **RAPIX Lighting Control** – Secure Lighting Control Solution

All RAPIX products are 100% DALI compliant, designed and supported in Australia as part of the Gerard Lighting group, Australia's largest independent lighting systems manufacturer and supplier.

Easier to Design
Know DALI? Know RAPIX Lighting Control System. Based in DALI with a compact product range, designing sophisticated lighting control systems is easier than ever.

Simpler to Install
Designed in Australia using DALI and Ethernet as a core technologies, RAPIX Lighting Control System is created with generous mechanical design for simple installation to help contractors save time on site.

Faster to Commission
Saving time on site with RAPIX Lighting Control System helps system integrators and contractors deliver projects on time on budget with easy to use software and local support from the team who created the hardware and software.

http://www.diginet.net.au/rapix

Secure at the Core and Future Proof

RAPIX is the Secure Lighting Control Platform offering IOT Connectivity delivering exceptional project outcomes, starting with security.

The embedded security provides peace of mind as all communication in RAPIX is encrypted and authenticated, ensuring the long term integrity and operation of the lighting control system - including its integration with other I.T., I.O.T (Internet of things) and building systems.

This secure foundation mitigates future risk for I.T. departments and facility managers, providing operational confidence that RAPIX is secure out-of-the-box for no additional hardware or software costs.

As this encryption and authentication security protocol is always on, there is no 'human error' risk which is often the cause of system security issues. The human security flaw is prevalent in many systems, not just other lighting control systems which require security to be configured before functioning securely.

RAPIX Open Architecture

RAPIX Lighting control platform is a progressive lighting control platform based on international standards of DALI (IEC62386) and Ethernet (IEEE802.3).

This open international architecture mitigates risk for our clients such as commercial investors, owners, hoteliers and tenants, with no long term vendor lock in. RAPIX Lighting Control Platform will operate with any DALI Compliant devices from any manufacturer, providing choice now and into the future.

As DALI is the international standard for lighting control, global manufacturers use this standard for lighting control, ensuring the widest range of functional, decorative and architectural lighting fixtures are available with DALI control gear, removing any barriers to meet lighting aesthetic and performance specifications.

Foundation in DALI, Reduces Risk for Exceptional Financial Outcomes

As RAPIX uses DALI Compliance (the International Standard for Lighting Control) as its foundation, users can depend on DALI's system design topology, performance expectations and redundancies to guarantee scale-able design and consistent operation across segments and application types.

RAPIX platform removes cost and overhead by adding significant extra functionality and value beyond DALI. RAPIX removes system layers, simplifies design and installation via Ethernet and DALI.

For property developers, investors and end users this translates into exceptional financial outcomes with lower CAPEX, lower OPEX combined with a lower total cost of ownership.

RAPIX has been designed in Australia for Australian conditions.

Delivers Maximum Occupant Comfort to Attract and Retain the Best Talent

Sophisticated lighting control functionality to maximise energy savings and deliver world class occupant comfort to attract and retain the best talent is fully realised with RAPIX, in a secure environment.

Motion, occupancy and vacancy sensor solutions are delivered to legislated BCA/NCC requirements and deliver GBCA, Green Star and NABERS (ratings) benefits of lower operating costs and higher portfolio valuations and ROI.

More advanced energy savings strategies including scheduling, variable time of day operation and human centric lighting scenarios are achieved simply to provide compliance to industry norms and deliver dynamic workplaces, setting new standards for occupant comfort, simplicity in execution and maintenance.

Mitigate Risk and Reduce OPEX with Plug and Play Maintenance

RAPIX is a new generation system providing system redundancies which mitigate our client's risk and future financial threat surface.

These redundancies are designed to lessen the impact on tenants and reduce operational maintenance costs for all clients, leapfrogging other lighting control system with respect to maintenance, system uptime and recovery.

The RAPIX Hive-Mind Mesh approach reduces dependencies on outside support, traditionally a major OPEX for legacy lighting control systems.

With RAPIX, if devices fail new components can be installed by any qualified electrical contractor and automatically re-programmed by the interconnected Hive-Mind Mesh, cheaper, faster and easier.

Integrated Emergency Monitoring for Australian Standards Compliance and Lower TOC

For no additional hardware overhead or cost, Integrated Monitored Emergency monitoring and reporting to AS/NZ2293 standards compliance is achieved with the same RAPIX platform used for lighting control.

This further simplifies system design and maintenance, reducing labour and material costs.

There is no vendor lock in and the system will operate with any manufacturer's DALI compliant emergency devices, providing choice now and into the future.

This obviates the need to install yet another stand-alone system for emergency, reducing installation costs and future maintenance costs for a lower total cost of ownership

Simpler Communications and Integration Saves Time and Money

Using International standards for communications means that RAPIX is easily and inexpensively integrated with 3rd party systems to provide clients maximum value. This is achieved by integrating multiple building systems together over the ubiquitous Ethernet layer natively:

- BMS (Building Management Systems) systems such as BACNET, MODBUS and LON;
- Audio Visual Systems such as AMX and Crestron;
- Hotel management systems such as Fidelio.

Initial CAPEX investments are further reduced when using RAPIX. All communications for lighting, emergency and integration is provided securely over the Ethernet layer from a single platform, eliminating last century's multiple system approach.

National Support

RAPIX is supported nationally through a network of experienced Systems Integrators.

These System Integrators are trained and certified by our technical support staff and importantly have been selected due to their previous experience with other lighting control systems, sometimes over decades, in the Australian market place.

The current trained Systems Integrators can be found at the link below.

http://www.diginet.net.au/rapix/rapix-xi-certified-systems-integrators/

Need to know more?

Visit the RAPIX website for access to all technical materials such as Engineers Specifications, CAD drawings, technical datasheets etc. from:

http://www.diginet.net.au/rapix/rapix-system-details/