GALAXY®

CONNECTED EMERGENCY LIGHTING SYSTEM

EMERGENCY LIGHTING SYSTEM
FOR SMART BUILDINGS

THE **GLOBAL SPECIALIST**
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

L'legrand®

LEGRAND AUSTRALIA HAS BEEN MANUFACTURING EMERGENCY LIGHTING SINCE 1967

LOCAL MANUFACTURING OF OVER 15,000 PRODUCT LINES AND COMPONENTS

- Local manufacturing of over 15,000 products and components

- A dedicated R&D team with over 20 engineers developing new products

- An accredited NATA laboratory to conduct compliance and quality tests

- All products comply to the required Australian and New Zealand standards of manufacturing quality and electrical safety

- Local presence, including a network of distributors and contractors for local support – before, during and after sale

GALAXY CONNECTED EMERGENCY LIGHTING SYSTEM

Introducing you to the next level in emergency lighting management from Legrand. The Galaxy Connected Emergency Lighting System makes compliance—simple. As a **state-of-the-art** emergency lighting monitoring system, it is suitable for installation in smart buildings; streamlining the whole process from specifying and install through to day-to-day monitoring and testing—all in **one simple solution**.

The system can be installed using existing IT infrastructure meaning there is no backbone cable duplication; **commissioning and operation** are simpler than with other systems; and **labour and maintenance costs are kept to a minimum**.

Incorporating a **simple plug and play system** that is designed to operate on any smart device or operating system, the platform provides the option of remote access. Its innovative tri-wireless platform defines **future proof Internet of Things (IoT)** developments.

GALAXY LED SATELLITE
With long range wide area communications and Bluetooth for commissioning

GALAXY STATION
With long range wide area communications

GALAXY E2 LED EXIT
With long range wide area communications and Bluetooth for commissioning

GALAXY SERVER
With integrated Wi-Fi and web application

GALAXY WEATHERPROOF BATTEN
With long range wide area communications and Bluetooth for commissioning

IP CONNECTIVITY

A QUICKER, EASIER INSTALLATION PROCESS

INSTALLATION

- A simple plug and play system
- Provides remote access
- Greatly reducing system infrastructure
- No need to upgrade Distribution Boards
- No backbone duplication (uses IT infrastructure)

COMMISSIONING

- Utilising the mobile app via Bluetooth®
- No need to record serial numbers
- Fast and efficient
- Simple and easy to use

reduce installation cost by Up to 30%

Up to 50% faster

SYSTEM INFRASTRUCTURE

GALAXY STATIONS

SMALL

- Up to 500m line of sight
  OR
- Up to 150m in urban areas
- Up to 6 floors (+/- 3 floors)
- One x Ethernet port

MEDIUM

- Up to 1km line of sight
  OR
- Up to 250m in urban areas
- Up to 12 floors (+/- 6 floors)
- One x POE Ethernet port

LARGE

- Up to 2km line of sight
  OR
- Up to 500m in urban areas
- Up to 20 floors (+/- 10 floors)
- One x POE Ethernet port

LoRa™

The Galaxy Stations utilise low power wide-area communications through the LoRa™ platform for extensive coverage and infiltrates through obstacles and floors.

With Galaxy, communication is in the form of a star topology giving more robust responses as each luminaire has direct access to the station.

The speed of transmission to each unit is varied until contact is established between the Galaxy Station and luminaires; this is Adaptive Data rate transmission. Network and application encryptions ensure two levels of security during communication.
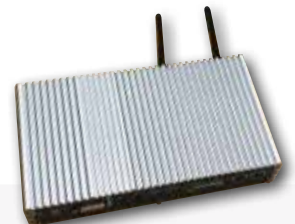
GALAXY LOCAL SERVERS

SMALL

- Up to 500 SPUs
- Built-in Wi-Fi
- Two x Ethernet ports
- Auto ignition

MEDIUM

- Up to 2,000 SPUs
- Built-in Wi-Fi
- Two x Ethernet ports
- Auto ignition

LARGE

- Up to 15,000 SPUs
- Built-in Wi-Fi
- Six x Ethernet ports
- Auto ignition
- Surge protection

Wi-Fi

Wi-Fi is used for near field communication at the local server level.

GALAXY®
CONNECTED EMERGENCY LIGHTING SYSTEM

GALAXY EMERGENCY LUMINAIRES

EXIT SIGN

LED SATELLITE

WEATHERPROOF BATTENS

Galaxy Luminaires with embedded Bluetooth® technology enables easy communications with smart devices for fast commissioning.

Galaxy Luminaires are also embedded with LoRa™ communications, to communicate back to the local server for the day-to-day operation of the system.

TRI-WIRELESS PLATFORM

3 wireless IoT technologies are utilised in the Galaxy system, designed for future proofed smart buildings, this forms the innovative tri-wireless platform.

Galaxy Emergency LED Luminaires

Galaxy Station

Galaxy Server

LoRa™

INSTALLATION

The Galaxy Connected Emergency Lighting System is capable of managing multiple buildings in your installation:
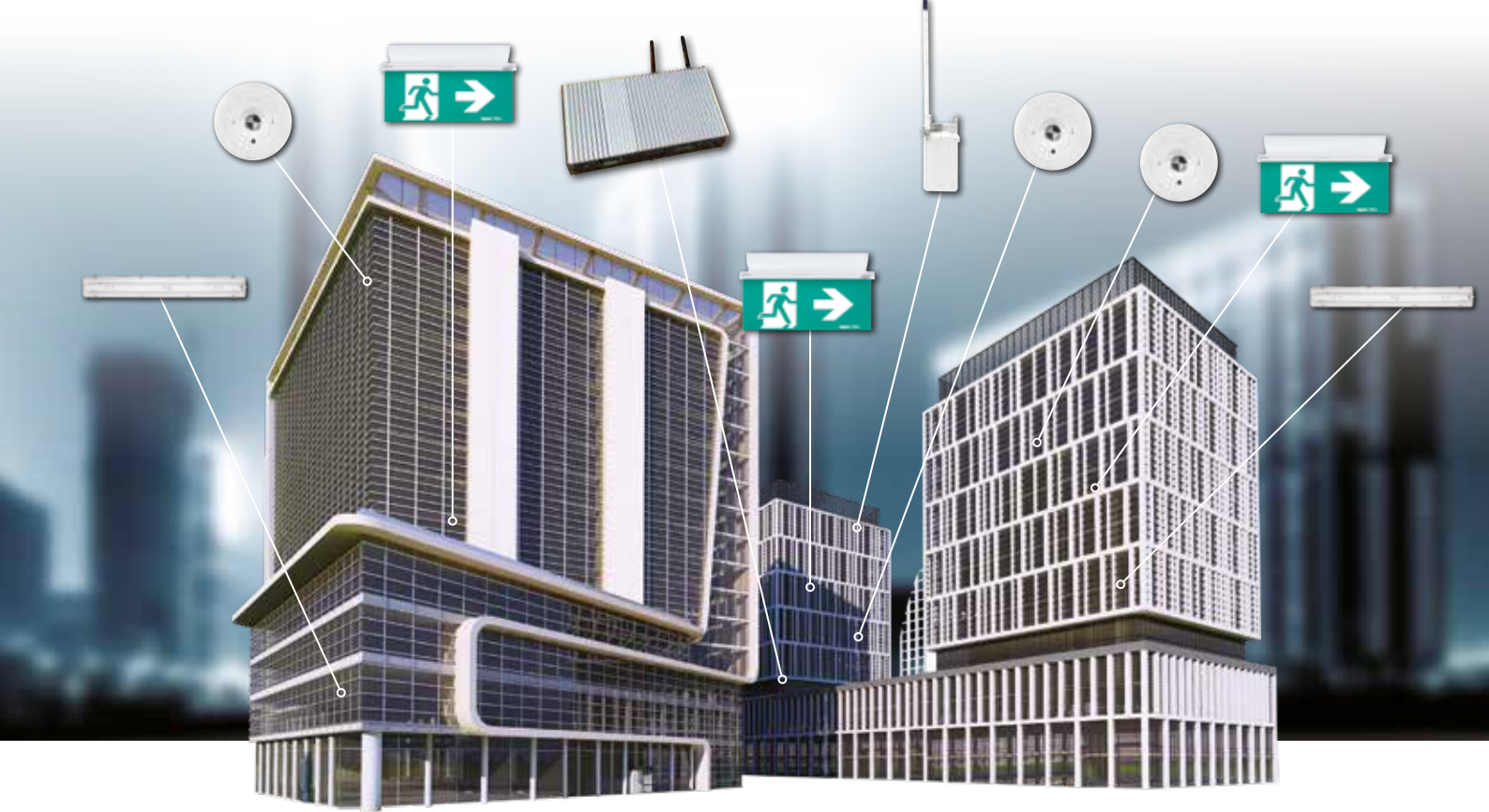
- Plug and play functionality
- Operational scalability and transparency
- Improve business process from planning and development through to maintenance

IP CONNECTIVITY

With one Galaxy station covering a wide area of an installation, it utilises existing IT infrastructure to greatly reduce installation cost:

- No repeaters
- No backbone duplication
- Minimal system infrastructure

Contact Legrand for optimum positioning of the Galaxy station for maximum coverage and infiltration.

COMMISSIONING

The commissioning process has never been so simple and fast – now able to be completed with a smart device. Reduce error when commissioning on site, Galaxy Luminaires are detected via Bluetooth® and commissioned with a few taps on the screen.

With the simple touch of a button sync your device with the Galaxy Server to download the commissioned information then upload your floor plans to put the facility manager firmly in the driving seat.

Please contact Legrand for commissioning services.

OPERATION

The Galaxy Connected Emergency Lighting System features a simple and visual web-based application. Compatible with any device or operating system, it offers multi-user and multi-site management capabilities and can be accessed remotely, whenever you are connected to IT infrastructure.

The Galaxy dashboard provides a visual overview of installation metrics including:

- Real-time luminaire status
- Successful six monthly tested luminaires
- Tests in progress
- Next scheduled tests

Galaxy provides a full visual of the installation with colour-coded pins indicating the geographical location of each individual emergency luminaire (with status update).

Efficiently schedule and launch emergency system tests in just a few steps. The platform allows users to easily group and select luminaires for testing with simple filter options. Maintenance data on each emergency luminaire is captured for a comprehensive log of your installation that can also be exported.

Personalise the view of your report by selecting fields of the information you require, effortlessly print and export in PDF or Excel.

APPLICATIONS

Designed with the flexibility to accommodate all configurations, the Galaxy system has applications for industries as diverse as education, healthcare, government, manufacturing, sports arenas, hotels and retail.

UNIQUE DESIGN INSTALLATIONS

There are many ways to configure and structure the Galaxy system. For installations where wireless communication may not be able to infiltrate, such as x-ray rooms, one Galaxy luminaire external to the wireless free zone can be paired to one Galaxy luminaire inside the x-ray room acting as a master and slave via a wired configuration.

COMMERCIAL BUILDINGS

AIRPORTS

SHOPPING CENTRES

HOSPITALS

EDUCATION FACILITIES

CORRECTIONAL FACILITIES

HOSPITALITY

DISTRIBUTION CENTRE/ FACTORY

PRODUCT INFORMATION

659057LI   659003LI   659044LI   659000LI   659023LI

CAT. NO.	DESCRIPTION
E3 LED Exit	
Recessed – Maintained	
659056LI	Single sided wall plate – RM straight
659057LI	Single sided wall plate – left arrow – RM
659058LI	Single sided wall plate – RM – right arrow
659059LI	Double sided wall plate – RM straight
659060LI	Double sided wall plate – left arrow – RM
659061LI	Double sided wall plate – RM – right arrow
659062LI	Single sided RM straight – wall plate
659063LI	Single sided left arrow – RM – wall plate
659064LI	Single sided RM – right arrow – wall plate
Surface mounted – Maintained	
659074LI	Single sided wall plate – RM straight
659075LI	Single sided wall plate – left arrow – RM
659076LI	Single sided wall plate – RM – right arrow
659077LI	Double sided wall plate – RM straight
659078LI	Double sided wall plate – left arrow – RM
659079LI	Double sided wall plate – RM – right arrow
659080LI	Single sided RM straight – wall plate
659081LI	Single sided left arrow – RM – wall plate
659082LI	Single sided RM – right arrow – wall plate
E2 LED Exit	
Recessed – Maintained	
659003LI	LED RM decals ss/ds – white
659004LI	LED RM decals ss/ds – black
Surface mounted – Maintained	
659005LI	LED RM decals ss/ds – white
659006LI	LED RM decals ss/ds – black
Accessories	
686215	Cantilever bracket white
686216	Wire suspension kit 2x6m
686260	Suspension rod kit 600mm white
686261	Suspension rod kit 1200mm white
686262	Suspension rod kit 3000mm white
686263	Suspension rod kit 600mm black
686264	Suspension rod kit 1200mm black
686265	Suspension rod kit 3000mm black
686270	IP65 weatherproof enclosure
Securit LED Exit	
Recessed – Maintained	
659044LI	Single sided RM straight
659045LI	Single sided RM left
659046LI	Single sided RM right
659047LI	Double sided RM straight
659048LI	Double sided RM left/right

CAT. NO.	DESCRIPTION
Surface mounted – Maintained	
659049LI	Single sided RM straight
659050LI	Single sided RM left
659051LI	Single sided RM right
659052LI	Double sided RM straight
659053LI	Double sided RM left/right
G2 LED Exit – Maintained	
659000LI	LED RM decals ss/ds – white
659001LI	LED RM decals ss/ds – black
659002LI	LED RM decals ss/ds – silver
Accessories	
686215	Cantilever bracket white
686216	Wire suspension kit 2x6m
686260	Suspension rod kit 600mm white
686261	Suspension rod kit 1200mm white
686262	Suspension rod kit 3000mm white
686263	Suspension rod kit 600mm black
686264	Suspension rod kit 1200mm black
686265	Suspension rod kit 3000mm black
686235	Wire guard for wall mount
686236	Wire guard for ceiling mount
686270	IP65 weatherproof enclosure
Large LED Exit	
32m – Maintained	
659023LI	Single sided RM straight
659024LI	Single sided RM left
659025LI	Single sided RM right
659026LI	Double sided RM straight
659027LI	Double sided RM left/right
48m – Maintained	
659028LI	Single sided RM straight
659029LI	Single sided RM left
659030LI	Single sided RM right
659031LI	Double sided RM straight
659032LI	Double sided RM left/right
60m – Maintained	
659033LI	Single sided RM straight
659034LI	Single sided RM left
659035LI	Single sided RM right
659036LI	Double sided RM straight
659037LI	Double sided RM left/right
Accessories	
684508	Wall bracket for 32/48m
684506	Wall bracket for 60m
684509	Flush wall bracket for 32/48m
684507	Flush wall bracket for 60m

GALAXY®
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PRODUCT INFORMATION

659043LI 659021LI 659011LI 659019LI 659065LI

CAT. NO.	DESCRIPTION
Weatherproof LED exit	
24m - Maintained	
659038LI	Single sided RM straight
659039LI	Single sided RM left
659040LI	Single sided RM right
32m - Maintained	
659041LI	Single sided RM straight
659042LI	Single sided RM left
659043LI	Single sided RM right
Freezer Weatherproof LED exit	
24m - Maintained	
659084LI	Single sided RM straight - remote gear
659085LI	Single sided RM left - remote gear
659086LI	Single sided RM right - remote gear
Accessories	
684690	Wall bracket for 24m
684691	Side bracket for 24m
684692	Ceiling bracket for 24m
Super LED Satellite - Non-maintained	
659021LI	LED IP65 grey
659022LI	LED IP65 black
Accessories	
686266	Suspension rod kit 1200mm grey
686267	Suspension rod kit 3000mm grey
686268	Suspension rod kit 1200mm black
686269	Suspension rod kit 3000mm black
685034	Wire suspension kit grey
685035	Wire suspension kit black
LED Satellite - D50	
Recessed - Non-maintained	
659007LI	LED with flex & plug white
659008LI	LED with flex & plug black
Surface mounted - Non-maintained	
659013LI	LED with flex & plug white
659014LI	LED with flex & plug black
LED Satellite - D63	
Recessed - Non-maintained	
659009LI	LED with flex & plug white
659010LI	LED with flex & plug black
Surface mounted - Non-maintained	
659015LI	LED with flex & plug white
659016LI	LED with flex & plug black

CAT. NO.	DESCRIPTION
LED Satellite - Corridor	
Recessed - Non-maintained	
659011LI	LED with flex & plug white
659012LI	LED with flex & plug black
Surface mounted - Non-maintained	
659017LI	LED with flex & plug white
659018LI	LED with flex & plug black
Weatherproof LED Satellite - Non-maintained	
659019LI	LED surface mounted IP55
Freezer LED Satellite - Non-maintained	
659020LI	LED surface mounted IP55 - remote gear
Twin LED Spots - Non-maintained	
659065LI	LED surface mounted IP65
Weatherproof LED Battens	
Switched-Maintained	
659066LI	LED 4000lm L6 IP65 4000K IK09
659068LI	LED 4000lm L12 IP65 4000K IK09
Switched-Maintained - with DIM sensor	
659067LI	LED 4000lm L6 IP65 4000K IK09
659069LI	LED 4000lm L12 IP65 4000K IK09
Switched-Maintained - with ON/OFF sensor	
659072LI	LED 4000lm L6 IP65 4000K IK09
659073LI	LED 4000lm L12 IP65 4000K IK09
Bulkhead 360	
Switched-Maintained	
659070LI	LED 1800lm plain IP65 4000K IK10
659071LI	LED 1600lm guard IP65 4000K IK10
Galaxy Server	
659180	Small - Up to 500 SPUs
659181	Medium - Up to 2,000 SPUs
659182	Large - Up to 15,000 SPUs
Galaxy Station	
659183	Small
659184	Medium - IP67
659185	Large - IP67
Galaxy Accessories	
659187	Yellow backbone cable
659188	Ethernet extender kit up to 1km

ENVIRONMENTALLY FRIENDLY | **LITHIUM ION BATTERY TECHNOLOGY** | **5 YEAR WARRANTY**

LEAD THE WAY
WITH LEGRAND

**DESIGNED AND
MANUFACTURED IN AUSTRALIA**

Lighting Council NEW ZEALAND MEMBER

Lighting Council AUSTRALIA MEMBER

LIION LITHIUM ION

Bluetooth™

LoRa™

eliot™ PROGRAM BY LEGRAND

Legrand Australia – 1300 369 777 | www.legrand.com.au
Legrand New Zealand – 0800 476 009 | www.legrand.co.nz

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08/2018

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