



GALAXY[®]

CONNECTED EMERGENCY LIGHTING SYSTEM



EMERGENCY LIGHTING SYSTEM FOR SMART BUILDINGS



THE GLOBAL SPECIALIST
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

 **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 by 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.



A QUICKER, EASIER INSTALLATION PROCESS

INSTALLATION

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

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

- No repeaters
- No backbone duplication
- Minimal system infrastructure

COMMISSIONING

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

5YR

WARRANTY

SYSTEM INFRASTRUCTURE

GALAXY STATIONS



SMALL
Cat. No. 659183
659191 (with 4G)

- Indoor environments
- IP20

Applications: Commercial buildings, Data Centres and Schools

MEDIUM
Cat. No. 659184

- Medium size buildings
- IP67
- 4G sim card slot

Applications: Commercial office, Entertainment centres and Train stations

LARGE
Cat. No. 659185

- Large open areas
- IP67
- 4G sim card slot

Applications: Airports, Distribution facilities and Universities

Note: 4G options are delivered without sim card. Please contact your network provider to ensure coverage and 4G connection plans



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.

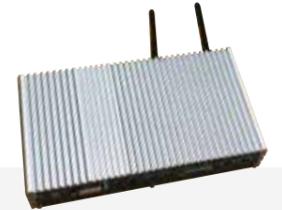
The speed of transmission to each unit is varied until contact is established between the Galaxy Station and luminaires; this is Adaptive Data rate transmission. Network and application encryptions ensure two levels of security during communication.

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 LOCAL SERVERS



SMALL
Cat. No. 659180

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

MEDIUM
Cat. No. 659181

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

LARGE
Cat. No. 659182

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



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

GALAXY EMERGENCY LUMINAIRES



EXIT SIGNS



LED SATELLITES



LED LUMINAIRES



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.

GALAXY OPTIONAL ACCESSORIES

For installations requiring a 4G or dedicated backbone

YELLOW BACKBONE CABLE - 300m
Cat. No. 659187



ETHERNET EXTENDER KIT - up to 1km
Cat. No. 659188



4G Router
Cat. No. 659192



INSTALLATION

The Galaxy Connected Emergency Lighting System is capable of managing multiple buildings in your installation:

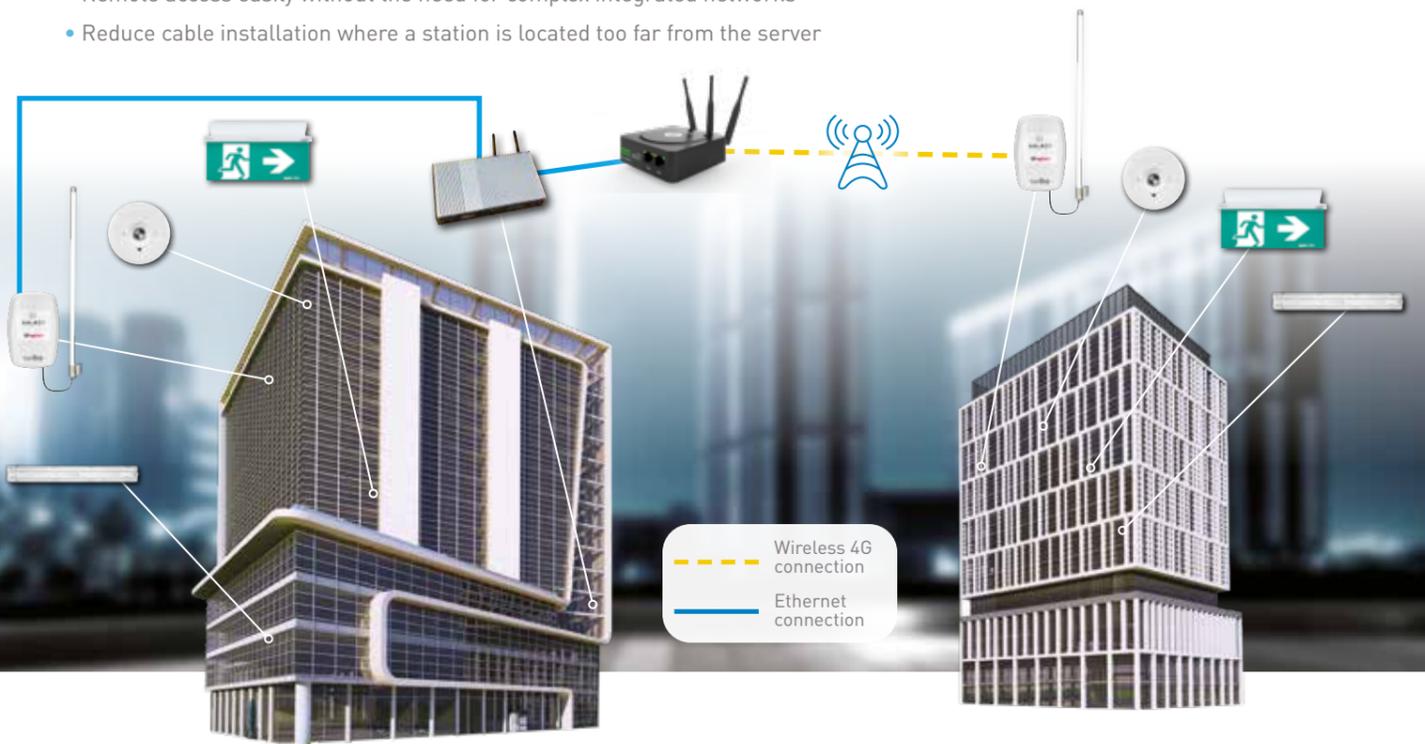
- Plug and play functionality
- Operational scalability and transparency
- Improve business process from planning and development through to maintenance
- Only one server is required for installations utilising the same IT infrastructure



4G CONNECTION

Installing the optional 4G Galaxy router will give the advantages of;

- Remote access easily without the need for complex integrated networks
- Reduce cable installation where a station is located too far from the server



Note: 4G options are delivered without sim card. Please contact your network provider to ensure coverage and 4G connection plans.



COMMISSIONING

The commissioning process is fast and simple and can 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 commissioning information, then simply upload floor plans. We put facility managers in the drivers 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.

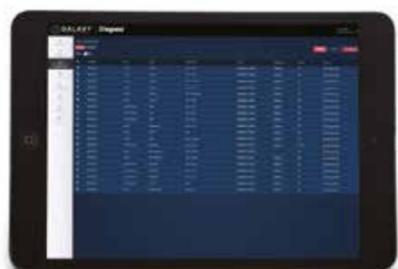


The Galaxy dashboard provides a visual overview of installation metrics including:

- 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 formats.



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.

UPGRADE EXISTING SITES

Easily transition any site to Galaxy by just simply installing a server and station. Due to the star topology of communication, any emergency light can be replaced over time without the dependence of other emergency lights.



COMMERCIAL BUILDINGS



AIRPORTS



SHOPPING CENTRES



HOSPITALS



EDUCATION FACILITIES



CORRECTIONAL FACILITIES



HOSPITALITY



DISTRIBUTION CENTRE/
FACTORY

PRODUCT INFORMATION



CAT. NO.	DESCRIPTION
Dynamex® LED - 24m	
Recessed - Maintained	
659090LI	LED ss with RM straight
659089LI	LED ss with RM left
659088LI	LED ss with RM right
659108LI	LED ds with RM straight
659109LI	LED ds with RM left/right
Surface - Maintained	
659093LI	LED ss with RM straight
659092LI	LED ss with RM left
659091LI	LED ss with RM right
659110LI	LED ds with RM straight
659111LI	LED ds with RM left/right
Suspended - Maintained	
659112LI	LED ss with RM straight 10m remote gear
659113LI	LED ss with RM left 10m remote gear
659114LI	LED ss with RM right 10m remote gear
659115LI	LED ds with RM straight 10m remote gear
659116LI	LED ds with RM left/right 10m remote gear
Edgelight LED - 24m	
Recessed - Maintained	
659117LI	LED ss with RM straight
659118LI	LED ss with RM left
659119LI	LED ss with RM right
659120LI	LED ds with RM straight
659121LI	LED ds with RM left/right
Surface - Maintained	
659122LI	LED ss with RM straight
659123LI	LED ss with RM left
659124LI	LED ss with RM right
659125LI	LED ds with RM straight
659126LI	LED ds with RM left/right
Suspended - Maintained	
659127LI	LED ss with RM straight 10m remote gear
659128LI	LED ss with RM left 10m remote gear
659129LI	LED ss with RM right 10m remote gear
659130LI	LED ds with RM straight 10m remote gear
659131LI	LED ds with RM left/right 10m remote gear
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

CAT. NO.	DESCRIPTION
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
Bolt LED Exit	
Snap-Fit Bracket - Maintained	
659135LI	LED SS/DS white
659136LI	LED SS/DS theatre
659139LI	LED SS/DS black
Slide Connect Bracket - Maintained	
659137LI	LED SS/DS white
659138LI	LED SS/DS theatre
659140LI	LED SS/DS black
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
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
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



CAT. NO.	DESCRIPTION
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
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
LED Satellite - D50 - Non-maintained	
659007LI	LED with flex & plug white - recessed
659008LI	LED with flex & plug black - recessed
659013LI	LED with flex & plug white - surface
659014LI	LED with flex & plug black - surface
LED Satellite - D63 - Non-maintained	
659009LI	LED with flex & plug white - recessed
659010LI	LED with flex & plug black - recessed
659015LI	LED with flex & plug white - surface
659016LI	LED with flex & plug black - surface
LED Satellite - Corridor - Non-maintained	
659011LI	LED with flex & plug white - recessed
659012LI	LED with flex & plug black - recessed
659017LI	LED with flex & plug white - surface
659018LI	LED with flex & plug black - surface
Super LED Satellite - Non-maintained	
659021LI	LED IP65 grey
659022LI	LED IP65 black
Weatherproof LED Satellite - Non-maintained	
659019LI	LED IP55
Freezer Super LED Satellite - Non-maintained	
659087LI	LED IP65 - remote gear
Freezer LED Satellite - Non-maintained	
659020LI	LED IP55 - remote gear

L6 - 2 foot length, L12 - 4 foot length, L15 - 5 foot length



CAT. NO.	DESCRIPTION
Twin LED Spots - Non-maintained	
659065LI	LED 2x580 lm IP65
Economy LED Batten	
Switched-Maintained	
659320GA	Tri-colour L6 IP20
659322GA	Tri-colour L12 IP20
659324GA	Tri-colour L15 IP20
Switched-Maintained - with ON/OFF sensor	
659321GA	Tri-colour L6 IP20
659323GA	Tri-colour L12 IP20
659325GA	Tri-colour L15 IP20
Economy LED Oyster	
Switched-Maintained	
659310GA	Tri-colour IP44
Switched-Maintained - with ON/OFF sensor	
659311GA	Tri-colour IP44
WP2 LED Weatherproof Battens	
Switched-Maintained	
659066LI	LED 2000lm L6 IP65 4000K
659068LI	LED 4000lm L12 IP65 4000K
Switched-Maintained - with DIM sensor	
659067LI	LED 2000lm L6 IP65 4000K
659069LI	LED 4000lm L12 IP65 4000K
Switched-Maintained - with ON/OFF sensor	
659072LI	LED 2000lm L6 IP65 4000K
659073LI	LED 4000lm L12 IP65 4000K
Economy Weatherproof LED Battens	
Switched-Maintained	
659102LI	LED 2100 lm L6 IP65 4000K
659104LI	LED 4600 lm L12 IP65 4000K
659106LI	LED 5700 lm L15 IP65 4000K
Switched-Maintained - with On/OFF sensor	
659103LI	LED 2100 lm L6 IP65 4000K
659105LI	LED 4600 lm L12 IP65 4000K
659107LI	LED 5700 lm L15 IP65 4000K
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 with Ethernet
659191	Small with 4G option
659184	Medium - IP67 with 4G or Ethernet
659185	Large - IP67 with 4G or Ethernet
Galaxy Accessories	
659187	Yellow backbone cable
659188	Ethernet extender kit up to 1km
659192	4G Router

RM - running man, SS - single sided, DS - double sided

ENVIRONMENTALLY FRIENDLY | LITHIUM ION BATTERY TECHNOLOGY | 5 YEAR WARRANTY



LEAD THE WAY WITH LEGRAND



DESIGNED AND
MANUFACTURED IN AUSTRALIA



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



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