



EMERGENCY LIGHTING CATALOGUE





OUR EMERGENCY LIGHTING SOLUTIONS ARE DESIGNED WITH THE FLEXIBILITY TO ACCOMMODATE ALL CONFIGURATIONS, FROM STANDALONE TO COMPUTER MONITORED EMERGENCY LUMINAIRES.

LEGRAND HAS A SOLUTION FOR INDUSTRIES AS DIVERSE AS **EDUCATION, HEALTHCARE, GOVERNMENT, MANUFACTURING, SPORTS ARENAS, HOTELS AND RETAIL.**

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LEGRAND THE PRODUCT PARTNER YOU CAN TRUST



LEGRAND AUSTRALIA COMBINES OVER **55 YEARS** OF EMERGENCY LIGHTING EXPERIENCE IN DEVELOPMENT AND MANUFACTURING.

- Over 15,000 products and components manufactured locally, tailored to the Australian and New Zealand markets
- A dedicated R&D team with over 20 engineers developing new products
- An accredited NATA laboratory to conduct compliance and quality tests
- Local presence, including a network of distributors and contractors for local support – before, during and after sale

ALL LEGRAND PRODUCT IS COMPLIANT WITH REQUIRED AUSTRALIAN AND NEW ZEALAND STANDARDS OF MANUFACTURING, QUALITY AND ELECTRICAL SAFETY.



CUSTOMISATION

Legrand understands that every project is unique. Therefore a customised install of emergency lighting luminaires may be the case. Our local manufacturers, and research and development team can tailor a product to meet the needs of your project. Examples of customisations include;

- **4 hour lithium battery emergency luminaires**
- **Luminaires tailored to tunnel specifications**
- **Retrofitting into heritage luminaires**

TYPES OF EMERGENCY LUMINAIRES

MAINTAINED

Luminaires that are illuminated at all times when normal or emergency lighting is required.

TYPES: **Switched:** Maintained luminaire where normal lighting can be switched on/off without triggering emergency mode, e.g. battens.

Un-switched: Maintained luminaire that cannot be switched off, e.g. exit signs.

NON-MAINTAINED

Luminaires that are not normally illuminated and operate only when emergency lighting is required, e.g. satellites.

EMERGENCY LUMINAIRE TYPE	NORMAL OPERATION (I.E. MAINS OPERATING)	EMERGENCY OPERATION (I.E. MAINS FAILED)
Non-Maintained		
Maintained		
Combined Non-Maintained (i.e. 'Sustained')		
Combined Maintained		

● Non-illuminated light source ● Illuminated light source

EMERGENCY LIGHTING STANDARDS

EMERGENCY LIGHTING REQUIREMENTS

In Australia and New Zealand, there are specific requirements for installation of emergency lighting products and systems. These requirements are outlined in National Construction Code (NCC) for Australia and Clauses F6 and F8 in the New Zealand Building Code. Both construction codes make reference to the standard AS/NZS 2293 (Emergency lighting and exit signs for buildings).

AS/NZS2293 is divided into three parts:

PART 1 System design, installation and operation

Provides designers and installers with installation and design requirements for emergency lighting products and systems.



PART 2 Routine service and maintenance

Provides the requirements and test procedures for servicing and maintaining emergency lighting products and systems.



PART 3 Emergency luminaires and exit signs

Specifies the design, construction, performance and testing requirements of emergency lighting products for manufacturers.

TYPES OF EXIT SIGNS



DUAL FUNCTION INTERNALLY ILLUMINATED EXIT SIGN

A sign consisting of white symbols on a green background, both being light emitting or light transmitting, with an emergency classification.



INTERNALLY ILLUMINATED EXIT SIGN

A sign consisting of white symbols on a green background that has no classification and therefore requires another emergency luminaire to be installed within 2m of this exit sign.



LOW ILLUMINATED EXIT SIGN

A sign consisting of light emitting or light transmitting green symbols on an opaque background that has no classification and requires an emergency luminaire to be installed within 2m of this exit sign.

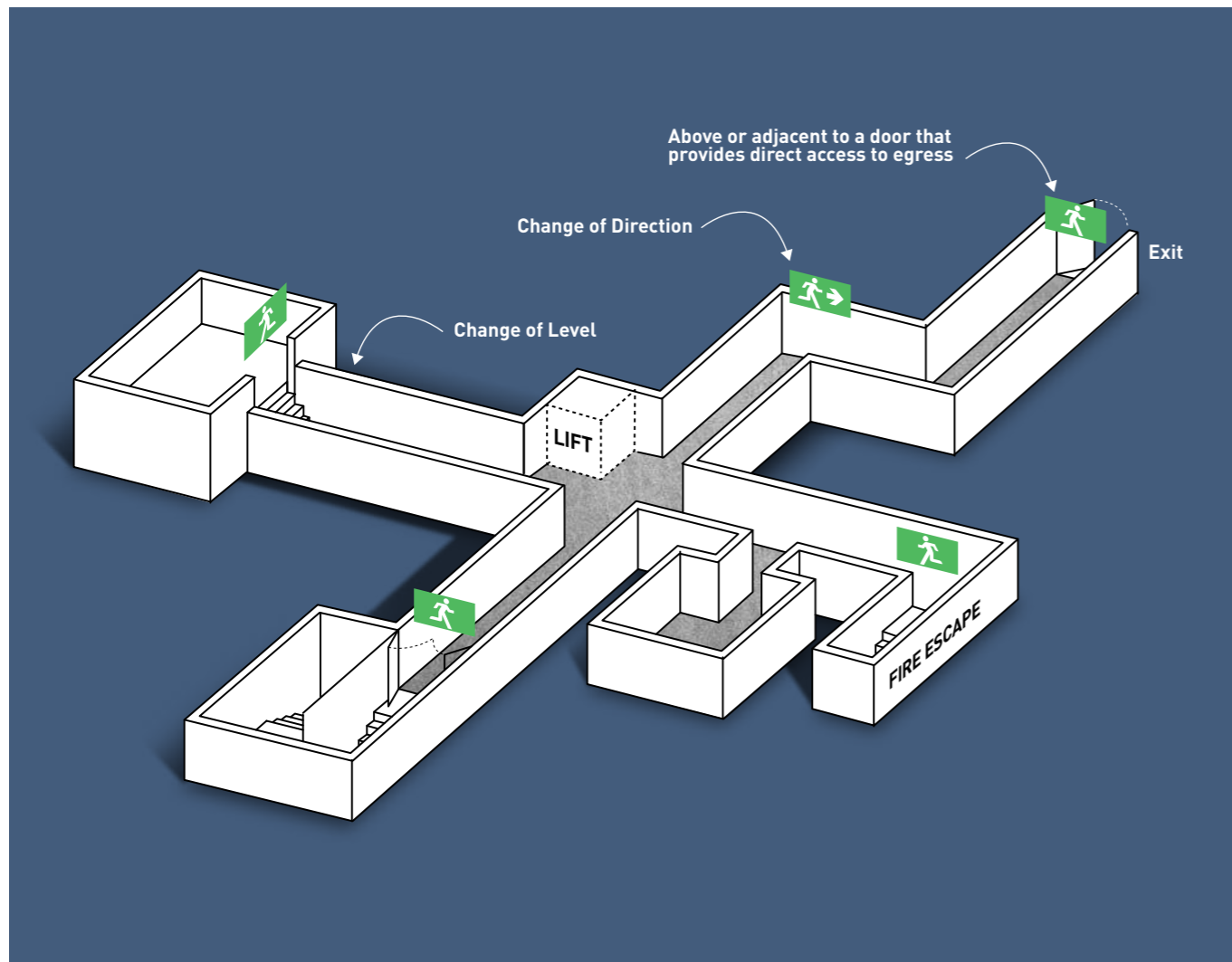


EXTERNALLY ILLUMINATED EXIT SIGN

A sign consisting of white symbols on a green background, illuminated by an external light source that is also an emergency luminaire.

Note: An exit sign must be clearly visible to building occupants approaching the exit (INCC)

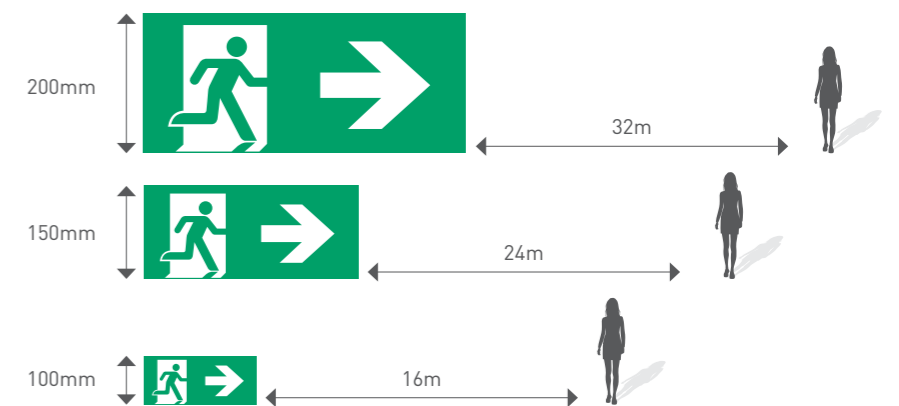
TIPS ON LOCATION OF EXIT SIGNS



EXIT SIGN VIEWING DISTANCES

The standard defines a range of viewing distances for exit signs which also correlate to the size of the decal. These distances are the maximum viewing distance before requiring another exit sign.

Larger viewing distances are defined by a specific formula and are available for those types of projects.



EXIT SIGN DECALS

AS/NZS2293 only specifies running man decals as shown below to be used for exit signs. New Zealand however, recognises both running man and the word 'EXIT' as decals.



GREEN-ON-BLACK

Optional for areas where the general viewing is under normally dimmed conditions (theatres, entertainment venues, dark spaces, etc.)



EMERGENCY LIGHTING PERFORMANCE

EMERGENCY LIGHTING DESIGNS

Under emergency lighting conditions, the lighting level must be a minimum of:



There are two options available in determining luminaire spacings to achieve the lighting level required for emergency lighting installations:

Option 1:
Utilising the spacing tables given in AS/NZS2293.1 which give conservative spacings and are ideal for simple installations where a quick design is needed.

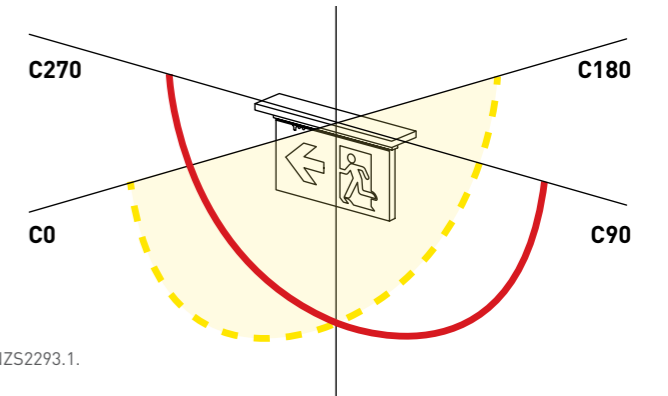
Option 2:
Utilising the photometric IES file in a lighting design program to give a detailed and more accurate spacing between luminaires. It is recommended to have a lighting design created on medium to large installations to avoid over designing.

Regardless of the option chosen, the illuminance at floor level will be dependent upon both the light output of the luminaire and the height at which it is installed.

Note: Lux levels are specified in AS/NZS2293.1 for Australia and F6 and F8 for New Zealand

Emergency luminaires are generally given an IES file and a photometric classification (except those used in theatre application or internally illuminated signs without classifications).

The classification is given as an alpha numeric number on two axis, C0 and C90 for a symmetrical light distribution or on three axis, C0, C90 and C180 for asymmetrical light distribution.



Alpha component [A to E] based on the general shape of the luminous intensity distribution **D 2.5** Numeric component related to actual luminous intensity

This classification is only used for lighting designs prepared with spacing tables given in AS/NZS2293.1.

0.2 lux

Mounting height, metres, above floor																
Classification	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
A20	5.9	6.4	6.8	7.2	7.5	7.8	8.2	8.7	9.0	9.5	9.8	9.9	9.8	9.8	9.4	N/A
B8	5.4	5.7	6.0	6.2	6.4	6.6	6.7	6.9	6.9	6.6	0.0	0.0	N/A	N/A	N/A	N/A
C2.5	4.5	4.6	4.6	4.5	4.4	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C8	6.8	7.2	7.4	7.7	7.9	8.0	8.2	8.3	7.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A
C10	7.3	7.7	8.0	8.3	8.6	8.8	9.0	9.1	9.2	9.1	8.6	0.0	0.0	N/A	N/A	N/A
C12.5	7.8	8.2	8.6	8.9	9.2	9.5	9.8	10.0	10.2	10.3	10.1	0.0	0.0	0.0	N/A	N/A
C16	8.3	8.8	9.3	9.7	10.0	10.3	10.7	11.0	11.3	11.6	11.6	11.3	0.0	0.0	N/A	N/A
C20	8.9	9.4	9.9	10.3	10.7	11.1	11.5	12.0	12.3	12.8	13.0	13.0	12.7	12.0	N/A	N/A
C40	10.6	11.3	12.0	12.6	13.1	13.6	14.3	15.0	15.6	16.6	17.4	17.9	18.3	18.5	0.0	N/A
C80	11.5	13.2	14.4	15.1	15.8	16.5	17.3	18.3	19.1	20.7	22.0	23.0	23.9	24.7	26.7	24.0
C125	11.5	13.2	14.8	16.5	17.7	18.5	19.5	20.6	21.7	23.5	25.1	26.5	27.7	28.8	32.1	32.5
D1.25	3.9	3.7	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D2.5	5.8	5.8	5.7	5.6	5.3	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D3.2	6.5	6.5	6.5	6.5	6.3	6.1	5.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D4	7.1	7.2	7.3	7.3	7.2	7.1	6.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D5	7.8	8.0	8.1	8.2	8.2	8.1	8.0	7.7	7.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A
D6.3	8.5	8.8	8.9	9.1	9.1	9.2	9.1	9.0	8.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A
D10	10.2	10.5	10.8	11.0	11.2	11.4	11.5	11.5	11.5	11.1	10.3	0.0	0.0	N/A	N/A	N/A
D12.5	11.0	11.4	11.8	12.1	12.3	12.5	12.7	12.8	12.9	12.8	12.2	0.0	0.0	0.0	N/A	N/A
D32	11.5	13.2	14.8	16.5	17.6	18.0	18.5	19.0	19.5	20.1	20.5	20.7	20.6	20.3	0.0	N/A
D40	11.5	13.2	14.8	16.5	18.1	19.5	20.1	20.7	21.2	22.1	22.6	23.0	23.1	23.0	0.0	N/A
D50	11.5	13.2	14.8	16.5	18.1	19.8	21.8	22.5	23.1	24.1	24.9	25.4	25.7	25.8	23.6	0.0
D63	11.5	13.2	14.8	16.5	18.1	19.8	22.0	24.5	25.2	26.4	27.3	28.0	28.5	28.8	27.9	0.0
D80	11.5	13.2	14.8	16.5	18.1	19.8	22.0	24.7	27.5	28.9	30.0	30.9	31.5	32.1	32.3	28.8
D100	11.5	13.2	14.8	16.5	18.1	19.8	22.0	24.7	27.5	31.3	32.6	33.7	34.5	35.2	36.5	34.4
D125	11.5	13.2	14.8	16.5	18.1	19.8	22.0	24.7	27.5	33.0	35.4	36.7	37.7	38.6	40.8	39.9
D160	11.5	13.2	14.8	16.5	18.1	19.8	22.0	24.7	27.5	33.0	38.5	40.2	41.4	42.5	45.7	46.0
D250	11.5	13.2	14.8	16.5	18.1	19.8	22.0	24.7	27.5	33.0	38.5	44.0	48.8	50.2	55.2	57.4
E1	3.7	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E1.25	4.1	4.1	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E2	5.0	5.2	5.2	5.2	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E2.5	5.4	5.6	5.8	5.8	5.8	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E4	6.2	6.6	6.9	7.1	7.3	7.4	7.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E6.3	6.9	7.4	7.9	8.2	8.5	8.8	9.1	9.2	9.3	0.0	0.0	N/A	N/A	N/A	N/A	N/A
E16	8.3	9.1	9.8	10.4	11.0	11.5	12.1	12.8	13.4	14.2	14.7	14.7	0.0	0.0	N/A	N/A

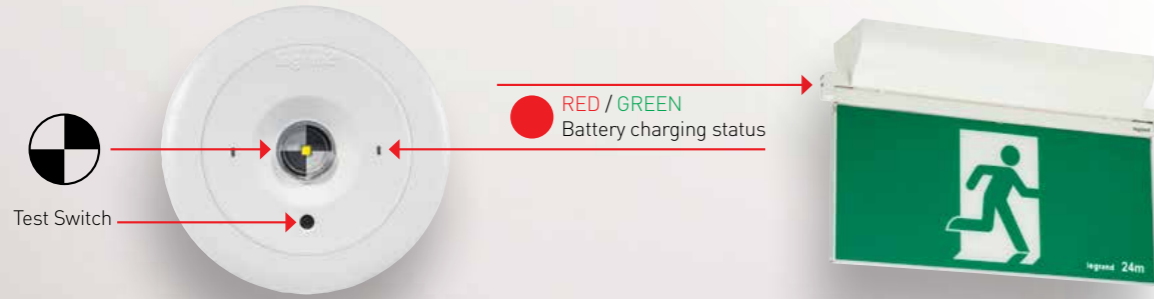
1.0 lux

Mounting height, metres, above floor																
Classification	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
A20	3.9	4.1	4.3	4.4	4.4	4.4	4.4	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
B8	3.1	3.1	3.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C2.5	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C8	3.7	3.6	3.5	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C10	4.1	4.1	4.1	3.9	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C12.5	4.5	4.6	4.6	4.5	4.4	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C16	5.0	5.1	5.2	5.2	5.2	5.1	4.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C20	5.4	5.6	5.7	5.8	5.8	5.8	5.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C40	6.8	7.2	7.4	7.7	7.9	8.0	8.2	8.3	8.2	7.8	0.0	0.0	N/A	N/A	N/A	N/A
C80	8.3	8.8	9.3	9.7	10.0	10.3	10.7	11.0	11.3	11.6	11.3	0.0	0.0	N/A	N/A	N/A
C125	9.4	10.0	10.5	11.0	11.5	11.9	12.4	12.9	13.4	14.0	14.4	14.6	14.5	14.2	0.0	N/A
D1.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D2.5	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D3.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D4	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D5	3.4	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D6.3	4.0	3.7	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D10	5.2	5.1	5.0	4.7	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D12.5	5.8	5.8	5.7	5.6	5.3	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D32	8.6	8.8	9.0	9.1	9.2	9.2	9.0	8.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
D40	9.4	9.7	9.9	10.1	10.2	10.3	10.3	10.3	10.1	9.5	0.0	0.0	N/A	N/A	N/A	N/A
D50	10.2	10.5	10.8	11.0	11.2	11.4	11.5	11.5	11.1	10.3	0.0	0.0	N/A	N/A	N/A	N/A
D63	11.1	11.5	11.8	12.1	12.3	12.5	12.7	12.9	13.0	12.8	12.3	0.0	0.0	N/A	N/A	N/A
D80	11.5	12.5	12.9	13.3	13.6	13.8	14.1	14.4	14.5	14.6	14.4	13.8	0.0	0.0	N/A	N/A
D100	11.5	13.2	14.0	14.4	14.8	15.1	15.4	15.8	16.0	16.3	16.3	16.0	15.4	14.4	N/A	N/A
D125	11.5	13.2	14.8	15.7	16.1	16.4	16.8	17.3	17.6	18.1	18.3	18.2	17.8	17.2	0.0	N/A
D160	11.5	13.2	14.8	16.5	17.6	18.0	18.5	19.0	19.5	20.1	20.5	20.7	20.6	20.3	0.0	N/A
D250	11.5	13.2	14.8	16.5	18.1	19.8	21.8	22.5	23.1	24.1	24.9	25.4	25.7	25.8	23.6	0.0
E1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E1.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E2.5	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E4	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E6.3	4.1	4.1	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E16	5.8	6.1	6.4	6.5	6.6	6.6	6.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: N/A - no spacing. 0.0 - these spacings are applicable for dual purpose exit signs only in accordance with Clause 4.5 of AS/NZS 2293.1:2018. Shaded regions indicate that care should be taken as a single emergency luminaire shall not serve an area greater than 500m²

IDENTIFICATION OF EMERGENCY LUMINAIRES

As defined in AS/NZS 2293.3, every emergency luminaire must have the emergency symbol identifying the unit as an emergency luminaire, have a battery LED indicator that is clearly visible (red or green LED) and an onboard test switch to conduct a simple check that the unit goes into emergency mode after maintenance.



REQUIREMENT FOR EMERGENCY LUMINAIRES WITH REMOTE GEAR

There may be a requirement where an emergency luminaire may need to have the emergency gear remote to the unit. AS/NZS 2293 specifies that if the emergency gear is located more than 2m away then the following shall apply: If the cable between the control gear and light source is more than 10m, then the cable must be classified as a Class WS4X protection in accordance with AS/NZS 3013. If the cable is travelling through more than one fire compartment in a building, then the cable must be classified as a Class WS4X protection in accordance with AS/NZS 3013.



INSTALLATION AND WIRING

AS/NZS 2293.1 section 7 identifies the requirements for installation of electrical wiring and equipment for centrally supplied systems. One of the key points in this section is that the wiring of an emergency lighting circuit from the distribution board must be connected to its own 'unswitched' active and not part of the general lighting circuit.

TESTING & ROUTINE MAINTENANCE

Every emergency lighting system must be inspected, tested and maintained in accordance with the relevant procedure specified in AS/NZS 2293.2

OVERVIEW OF TESTING

- First Emergency test prior to hand over is a 120 min test
- Emergency lighting must be tested every 6 months for the full rated duration (90min)
- Responsibility rests with the building owner
- Baseline data and records of reporting must be kept and may be needed for verification purposes

OVERVIEW OF MAINTENANCE

- AS/NZS 2293.2 appendix A specifies the maintenance requirements to be carried out at each routine service interval.
- 6 monthly intervals
 - Yearly intervals
 - 10 year service interval or when maintained LED luminaires and exit signs have reached their Light Source Life (LSL)

PROCEDURE FOR MAINTAINED LED LUMINAIRES AND EXIT SIGNS

As LEDs depreciate over time, there is a need to ensure that the performance of maintained emergency luminaires and exit signs still comply and provide the required safety levels during evacuation. AS/NZS 2293.2 clause 3.5 specifies the requirements for servicing these luminaires.

In summary:

- At the end of the maintained LED luminaire LSL, it needs to be replaced or the ongoing performance of the luminaire needs to be checked
- To check ongoing performance:
 - Test samples from the installation need to be checked to ensure they still comply with AS/NZS 2293.3
 - One sample if the installation contains <100 of each type of luminaire
 - Two samples if the installation contains <500 of each type of luminaire
 - Three or more samples if the installation contains >500 of each type of luminaire



BATTERY TECHNOLOGIES

Many types of battery technologies are used in emergency lighting. Below is the range most commonly used:



Lead-Acid
 Long life
 No memory effect
 Harmful to environment
 Low self-discharge

Nickel Cadmium (NiCd)
 Medium life
 Memory effect
 Harmful to environment
 High self-discharge

Nickel Metal Hydride (NiMH)
 Medium life
 Less prone to memory effect
 Environmentally friendly
 High self-discharge

Lithium Iron (Li-ion)
 Long life
 Less prone to memory effect
 Environmentally friendly
 Low self-discharge
 Circuit protection



LITHIUM-ION BATTERY TECHNOLOGY

All of Legrand's emergency lighting luminaires are fitted with lithium-ion batteries, LIION is the name given to this range of product. With a design life of up to 10 years, the LIION range of emergency lighting products will deliver an extended battery life far beyond the expected lifespan of traditional NiCd/NiMH or lead-acid batteries.

There are many types of Lithium battery technologies. The battery of choice used in all LIION products is Lithium Iron Phosphate (LiFePO₄). Batteries with this chemical mix provide a safer option for emergency lighting applications.

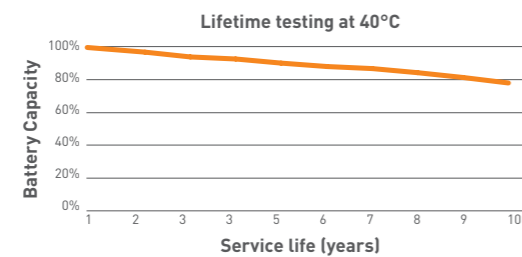
PROTECTION CIRCUIT MODULE (PCM):

Each battery pack has an onboard PCM which will protect the battery pack from excessive charging and over-discharging.

iSmart TEMPERATURE SENSING:

The LIION range goes above and beyond when it comes to safety. Each luminaire is fitted with iSmart temperature sensing technology. The electronics have been designed to ensure that the battery is not charged outside its specified ambient temperature zones to avoid catastrophic failure.

Legrand has specifically designed the electronics and battery packs of all LIION products in a format that avoids deep discharging during AS2293 testing. Avoiding deep discharging extends the operational life of the battery.



Note: Based on proper maintenance and testing regime outlined in AS/NZS 22293 series.



DEGREES OF PROTECTION

1. Protection against solid bodies and liquids: IP index of protection

Degrees of protection for enclosures of electrical equipment according to standards: IEC 60529, BS EN 60529 and NF EN 60529

1 st digit: Protection against solid bodies			Additional letter IP XX (ABCD): Protection against direct contact resulting from the access to hazardous current carrying parts			2 nd digit: Protection against liquids	
IP	TESTS	PROTECTION	IP	TESTS	PROTECTION	IP	PROTECTION
0		No protection				0	No protection
1	Ø 50 mm	Protected against solid bodies larger than 50mm	A	Ø 50 mm	The back of the hand remains remote from dangerous parts	1	Protected against vertically falling drops of water (condensation)
2	Ø 12.5 mm	Protected against solid bodies larger than 12.5mm	B	12 mm	The dangerous parts can not be touched when introducing a finger	2	Protected against drops of water falling at up to 15° from the vertical
3	Ø 2.5 mm	Protected against solid bodies larger than 2.5mm	C		The dangerous parts can not be touched when introducing a tool (eg. screwdriver)	3	Protected against drops of rain water at up to 60° from the vertical
4	Ø 1 mm	Protected against solid bodies larger than 1mm				4	Protected against projections of water from all directions
5		Protected against dust (no harmful deposit)	D		The dangerous parts can not be touched when introducing a wire	5	Protected against jets of water from all directions
6		Completely protected against dust				6	Protected against jets of water of similar force to heavy seas
						7	Protected against the effects of immersion
						8	Protected against prolonged effects of immersion under pressure
						9	Protected against high pressure and temperature water jets

2. Protection against mechanical impact: IK index of protection

According to standards: IEC 62262, BS EN 62262 and NF EN 62262

IK	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
TESTS		0.2 kg / 75 mm	0.2 kg / 100 mm	0.2 kg / 175 mm	0.2 kg / 250 mm	0.2 kg / 350 mm	0.5 kg / 200 mm	0.5 kg / 400 mm	7 kg / 295 mm	1 kg / 200 mm	5 kg / 400 mm
IMPACT ENERGY (in Joules)	0	0.15	0.2	0.35	0.5	0.7	1	2	5	10	20

Note: This table can be used to ascertain the resistance of a product to an impact given in Joules from the IK code (graduated from 00 to 10)



Leading the way in
Emergency
Lighting

LEGRAND PORTFOLIO

Legrand has a comprehensive product portfolio to suit individual budgets and project requirements. The portfolio is divided into three distinctive categories;

ECONOMY, PREMIUM & COMPUTER MONITORED

The **Economy range** consists of lithium battery technology with iSmart temperature sensing and is backed by a 3 year warranty. This range will particularly suit installations where initial cost is the major concern.



The **Premium range** consists of lithium battery technology with iSmart temperature sensing and is backed by a 5 year warranty. This range is suitable for a variety of applications ranging from freezer and weatherproof installations and consists of products that have superior emergency lighting classifications and design.



The **Computer Monitored range** covered by the Galaxy system, complements the Premium range by offering features such as automatic pre-scheduling testing and has diagnostics capabilities to minimise maintenance costs. Legrand's leading computer monitored system; Galaxy Connected Emergency Lighting System, provides the user full simplicity of conducting emergency lighting testing and maintenance from any smart device, whether it is local or remote monitoring of the installation.

LEGRAND PRODUCTS HAVE BEEN DESIGNED TO MEET CUSTOMER EXPECTATIONS

Whether the need is to reduce initial installation costs, lower maintenance costs or create a smart Emergency evacuation lighting system, **Legrand has the solution.**



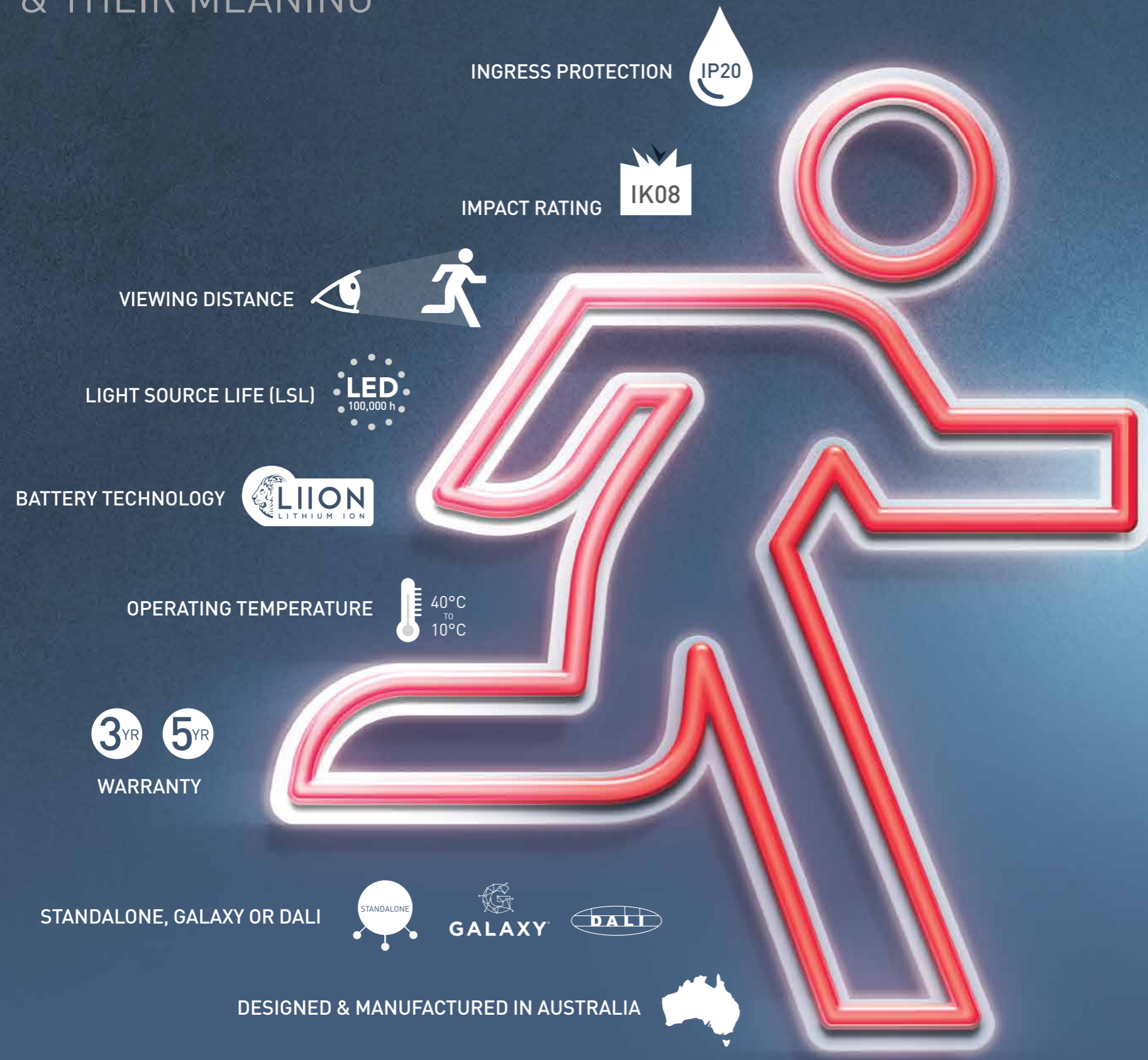
GALAXY CONNECTED EMERGENCY LIGHTING SYSTEM

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 is simpler than with other systems. Labour and maintenance costs are also kept to a minimum.

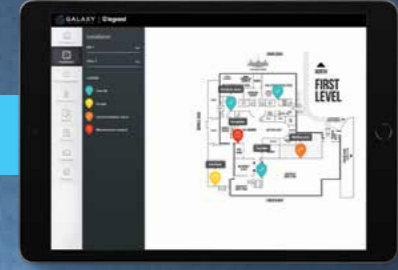
Incorporating a simple plug and play system that is designed to operate on any smart device or operating system, the platform provides the option of remote access. Its innovative tri-wireless platform ensures that the system is ready for any future Internet of Things (IoT) developments.

ICONS & THEIR MEANING



PRODUCT RANGES

TESTING SYSTEMS



EXIT SIGNS



LUMINAIRES



SATELLITES & TWINSPOTS



PRODUCT OVERVIEW



FEATURED PRODUCTS



BOLT LED



ECONOMY LED WP BATTENS



LED SATELLITE - D50

TESTING SYSTEMS



P. 24 GALAXY CONNECTED EMERGENCY LIGHTING SYSTEM®



P. 32 AXIOM SYSTEM



P. 34 TEST SWITCH AND CIRCUIT SENSING MODULE

EXIT SIGNS



P. 38 DYNAMEX® LED



P. 40 LED EDGELIGHT



P. 42 E3 LED EDGELIGHT



P. 44 E2 LED EDGELIGHT



P. 46 ECONOMY LED EDGELIGHT



P. 48 BOLT LED



P. 50 G2 LED SLIDE CONNECT



P. 52 ECONOMY LED



P. 54 SECURIT LED



P. 56 LARGE LED



P. 58 WEATHERPROOF LED



P. 60 FREEZER WEATHERPROOF LED

SATELLITES & TWINSPTS



P. 64 LED SATELLITE - D50



P. 66 LED SATELLITE - D63



P. 68 LED SATELLITE - CORRIDOR



P. 70 ECONOMY LED SATELLITE



P. 72 SUPER LED SATELLITE



P. 74 WEATHERPROOF LED SATELLITE



P. 76 FREEZER SUPER LED SATELLITE



P. 78 FREEZER LED SATELLITE



P. 80 TWIN LED SPOTLIGHT



P. 82 ECONOMY LED TWINSPT

LUMINAIRES

P. 86 ECONOMY LED BATTEN



P. 88 ECONOMY LED OYSTER

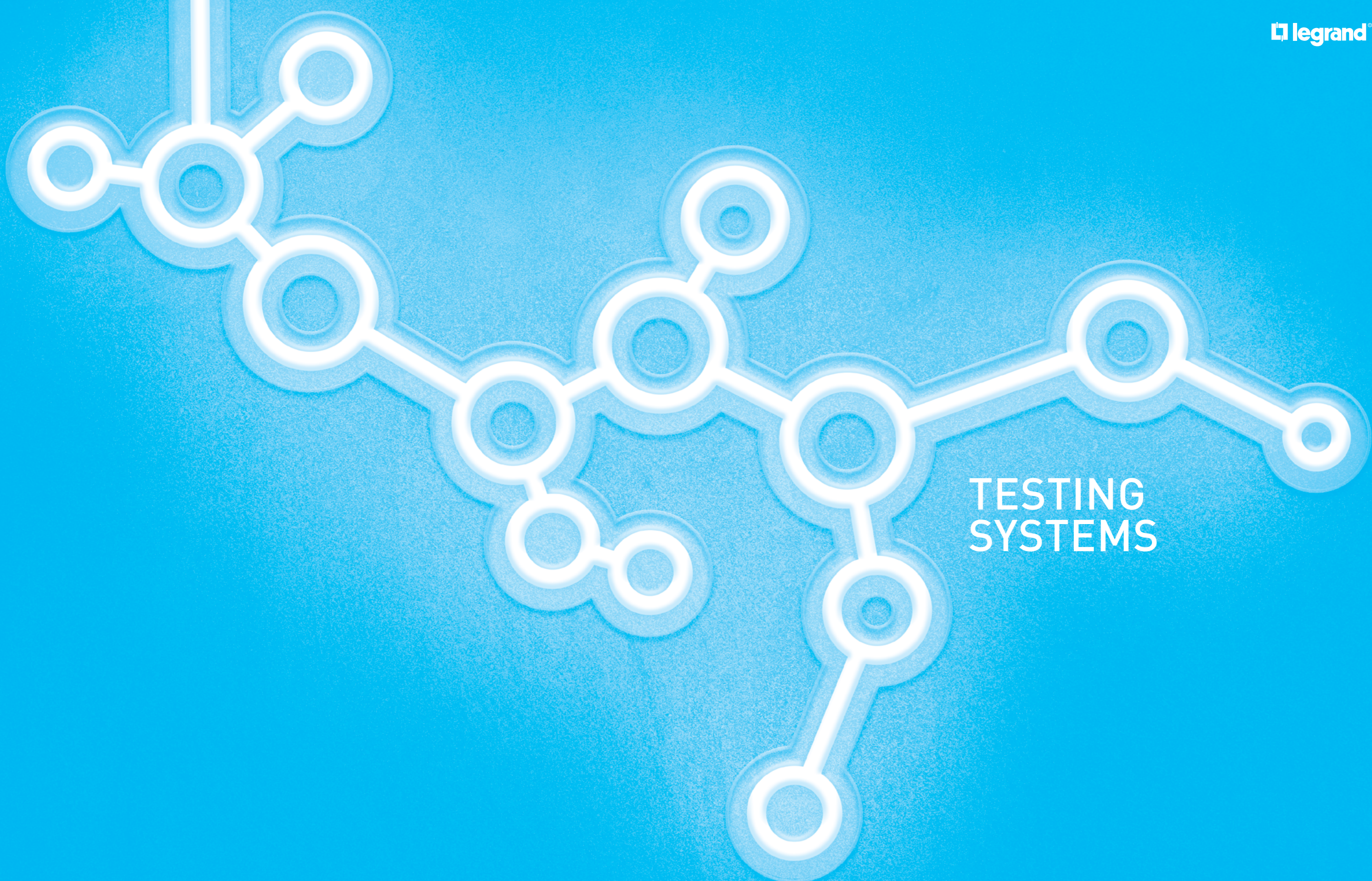
P. 90 WP2 LED WEATHERPROOF BATTEN



P. 92 ECONOMY LED WEATHERPROOF BATTEN



P. 94 BULKHEAD 265 & 360 LED



TESTING
SYSTEMS

STATE-OF-THE-ART EMERGENCY LIGHTING MANAGEMENT BY LEGRAND. THE GALAXY CONNECTED EMERGENCY LIGHTING SYSTEM MAKES COMPLIANCE SIMPLE.

Long range and wide area wireless communications make it 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.

CLICK HERE
FOR MORE INFORMATION

GALAXY

CONNECTED EMERGENCY LIGHTING SYSTEM®



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)

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

		
<p>SMALL Cat. No. 659183</p> <ul style="list-style-type: none"> Indoor environments IP20 <p>Applications: Commercial buildings, data centres and schools</p>	<p>MEDIUM Cat. No. 659184</p> <ul style="list-style-type: none"> Medium size buildings IP67 <p>Applications: Commercial office, entertainment centres and train stations</p>	<p>LARGE Cat. No. 659185</p> <ul style="list-style-type: none"> Large open areas IP67 <p>Applications: Airports, distribution facilities and universities</p>

GALAXY LOCAL SERVERS

		
<p>SMALL Cat. No. 659180</p> <ul style="list-style-type: none"> Up to 500 SPUs Built-in Wi-Fi Two Ethernet ports Auto restart 	<p>MEDIUM Cat. No. 659181</p> <ul style="list-style-type: none"> Up to 2,000 SPUs Built-in Wi-Fi Two Ethernet ports Auto restart 	<p>LARGE Cat. No. 659182</p> <ul style="list-style-type: none"> Up to 15,000 SPUs Built-in Wi-Fi Six Ethernet ports Auto restart Surge protection



(915 - 928MHz band)

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.



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

GALAXY EMERGENCY LUMINAIRES

 <p>EXIT SIGNS</p>	 <p>LED SATELLITES</p>	 <p>LED LUMINAIRES</p>
--	--	--



Galaxy Luminaires with embedded Bluetooth® technology enable 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

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



GALAXY OPTIONAL ACCESSORIES

For installations requiring a dedicated backbone

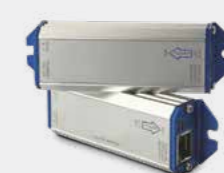
YELLOW BACKBONE CABLE - 300m

Cat. No. 659187



ETHERNET EXTENDER KIT - up to 1km

Cat. No. 659188



INSTALLATION

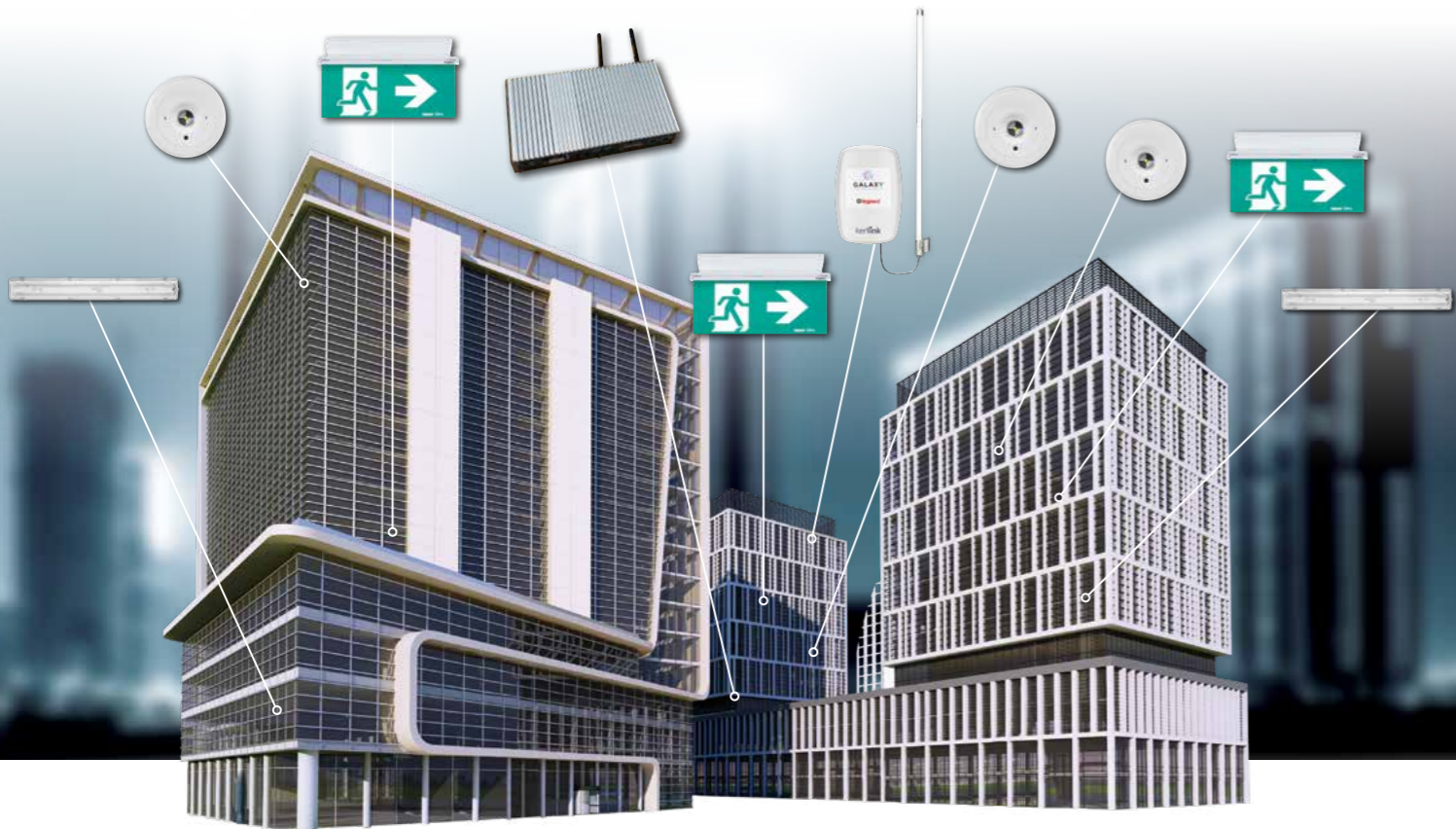
The Galaxy Connected Emergency Lighting System is capable of managing multiple buildings in your installation:

- Plug and play functionality
- Operational scalability and transparency
- Improve business process from planning and development through to maintenance



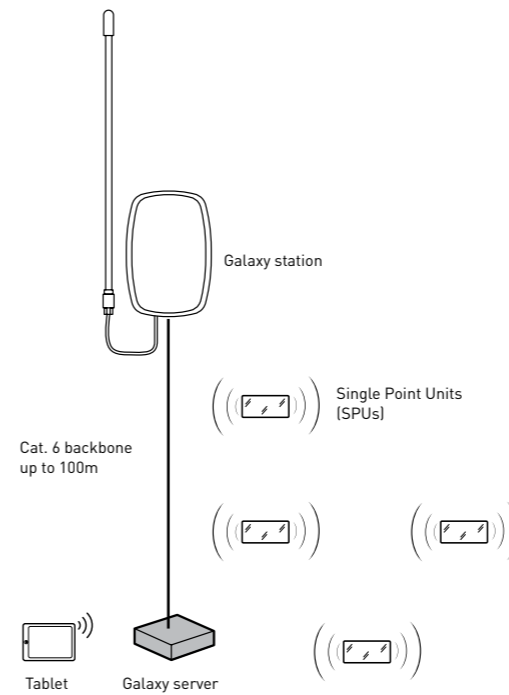
With one Galaxy station covering a wide area of an installation, it utilises existing IT infrastructure to greatly reduce installation costs:

- No repeaters
- No backbone duplication
- Minimal system infrastructure

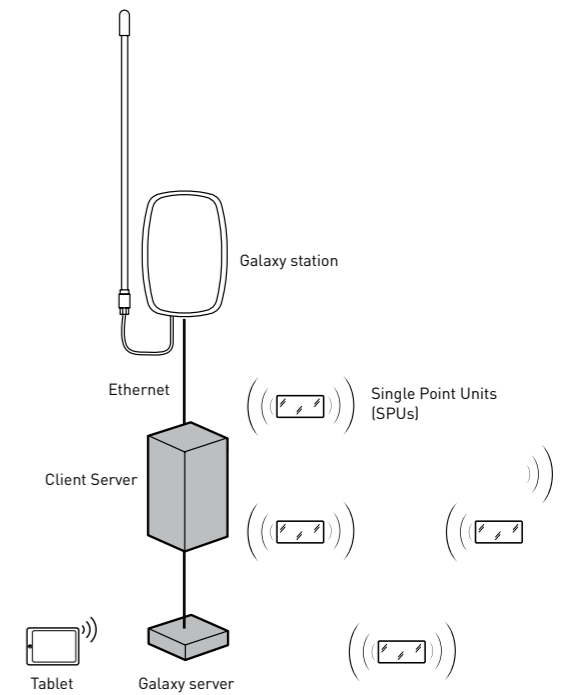


GALAXY CONFIGURATION

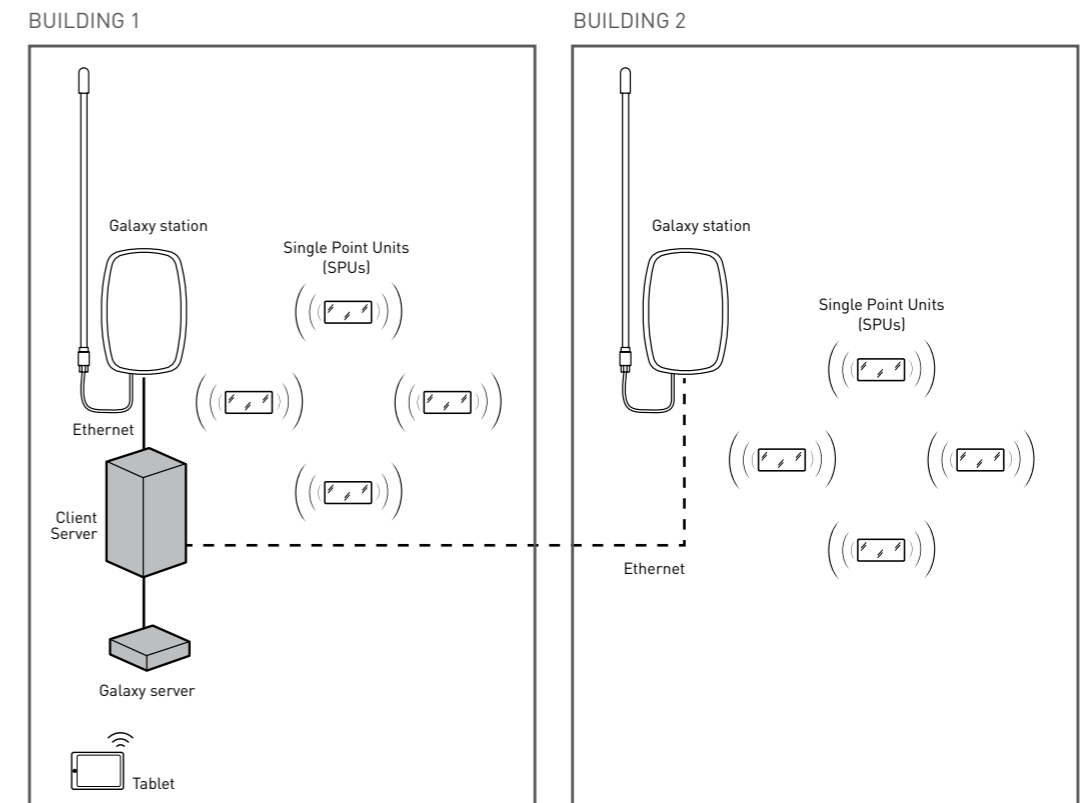
DEDICATED BACKBONE



UTILISING EXISTING IT INFRASTRUCTURE



MULTI-BUILDING UTILISING EXISTING IT INFRASTRUCTURE



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 an IT infrastructure.



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

- Real time luminaire status
- Successful 6 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 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, sport 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



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FOR MORE INFORMATION

AXIOM®

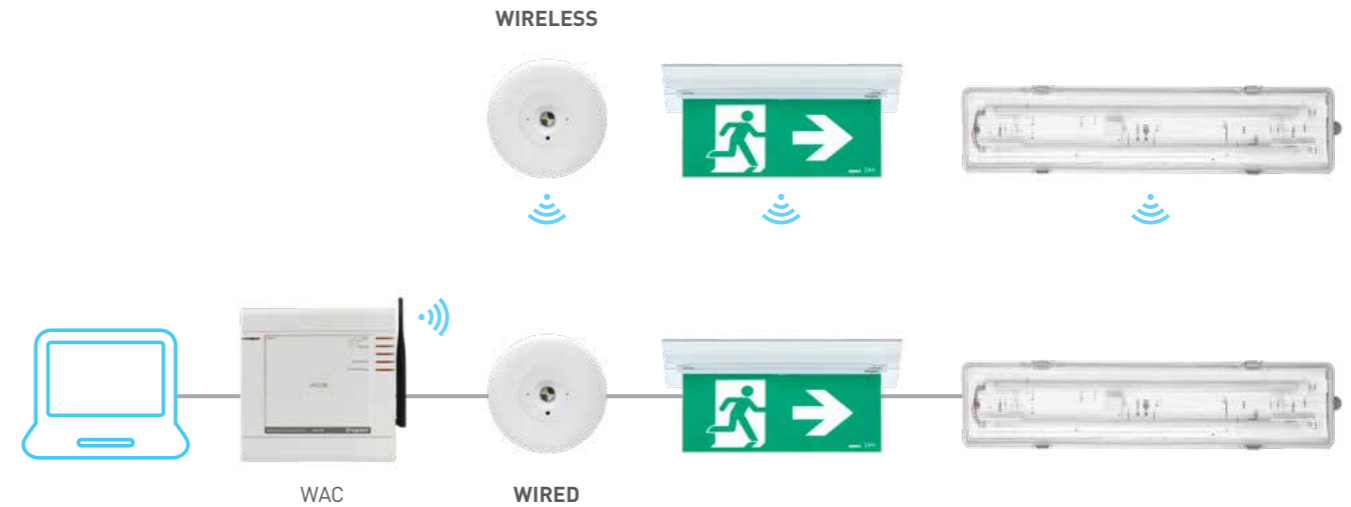
MONITORED EMERGENCY LIGHTING SYSTEM



LEGRAND'S TRADITIONAL AND LEGACY SYSTEM, AXIOM IS DESIGNED TO SUPPORT ALL EXISTING INSTALLATIONS WHERE SUPPORT AND MAINTENANCE IS REQUIRED

SYSTEM SPECIFICATIONS

- Up to 100m radius of wireless coverage
- Up to 60 luminaires per Wireless Area Controller (WAC)
- Mesh wireless topology
- Dedicated backbone cable between WACs
- The Aegis® software package is designed to drive the AXIOM® system



ORDER GUIDE

Cat. No.	Description	Cat. No.	Description
682298	Area Controller		Cable Components
222343	Personal computer including printer	682372	3 way coupler
223185	Central interface unit USB:RS485	682373	Coupler for 6 core cable
682299	Aegis emergency lighting monitoring software	682374	Coupler for 10 core cable
	Data Cables	682375	Modular plug for 6 core cable
201058	Commander SPU cable	682376	Modular plug for 10 core cable
682370	6 core flat 500m roll yellow		Network Components
682371	10 core flat 200m roll yellow	682377	Converter LAN to RS485 1 input/1 output
223019	Crimping tool for data cable		

FOR THE LATEST EMERGENCY LIGHTING SYSTEM PLEASE REFER TO GALAXY.
CONTACT YOUR LEGRAND REPRESENTATIVE FOR ASSISTANCE IN TRANSITIONING FROM AXIOM TO GALAXY.

QUICK AND EASY METHOD TO MANUALLY CONDUCT AN EMERGENCY DISCHARGE TEST OF SINGLE POINT EMERGENCY LUMINAIRES

FEATURES

TEST SWITCH

- Selectable power up time delay of 0 to 10 minutes
- Compact in size
- Easy to install
- Available in two configurations: surface mount or DIN mount
- Ready for use 4mm² Ø input terminal blocks enable loop-in/loop-out of 2.5mm² cables (682083)
- Key switch (2 keys provided on Cat. No. 682083)
- Provided with 4 pole 20A NC contactor (Kit version Cat. No. 682083)

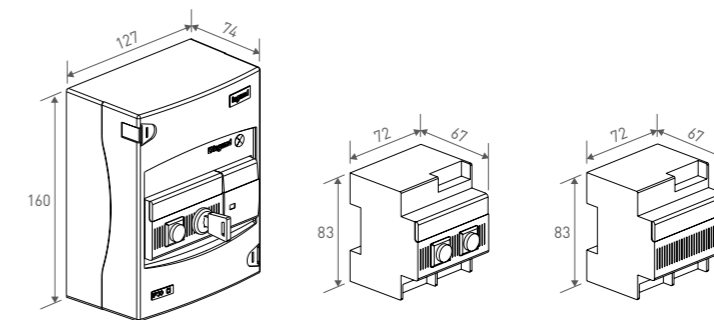
SENSING MODULE

- Senses 8 individual circuits per unit and triggers the test switch if any circuits have loss of power
- Ability to cascade up to 3 modules, effectively sensing up to 24 different phases/circuits
- DIP switches to enable/disable each input
- 4mm² Ø input terminal blocks to enable loop-in/loop-out of 2.5mm² cables
- Compact in size, only 4 DIN rail spaces

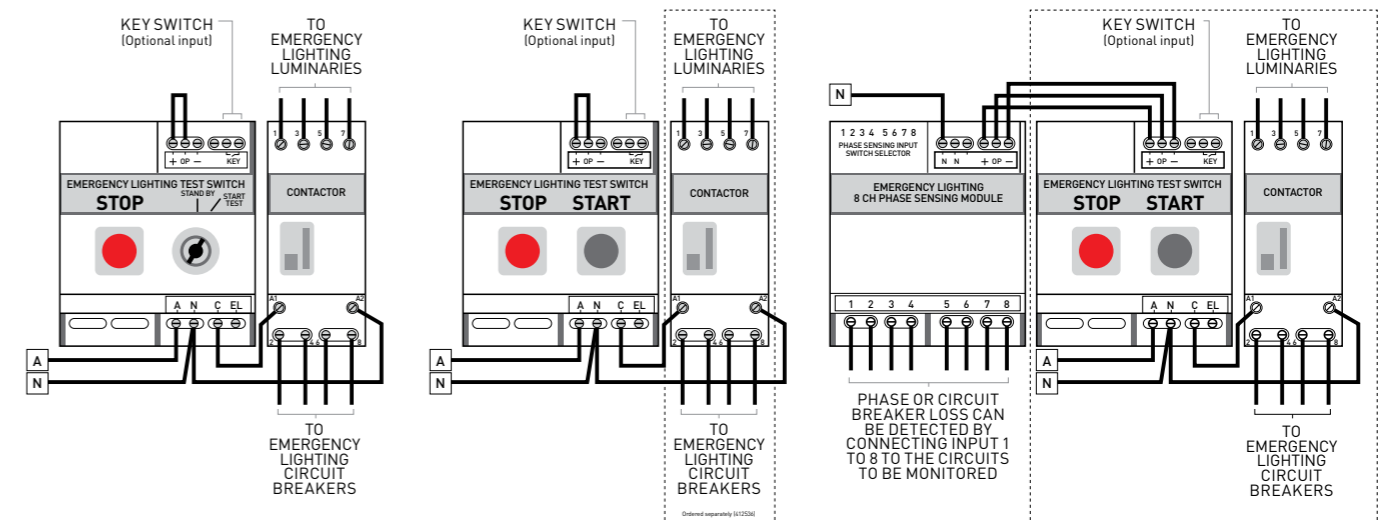
ORDER GUIDE

Cat. No.	Description	Cat. No.	Description
	Test switch (OEM)		Contactor
682084	Test switch DIN mount 72 x 83 x 66mm	412536	230V a.c. 25A 4NC 4 Mod
	Test switch (Trade)		Accessories
682083	Test switch surface mount 180 x 190 x 85mm	682086	Key switch and barrel
	Circuit sensing mode		
682085	Circuit sensing module for 8 lighting circuit 72 x 83 x 66mm		

DIMENSIONS IN MILLIMETRES (MM)



WIRING DIAGRAM



CLICK HERE
FOR MORE INFORMATION

TEST SWITCH AND SENSING MODULE



682085



682084



682083



EXIT SIGNS

2019 IES
LUMINAIRE
AWARD OF
EXCELLENCE



CLICK HERE
FOR MORE INFORMATION

DYNAMEX LED EXIT SIGN



DO NOT EXIT MODE
Recessed



FLASHING MODE
Surface

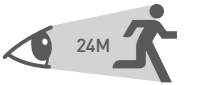


FLASHING MODE
Suspended

A 3-IN-1 DYNAMIC EXIT SIGN IDEAL FOR ASSISTING BUILDING OCCUPANTS TO EVACUATE EFFICIENTLY AND EFFECTIVELY

FEATURES

- Dynamic Exit sign with normal, positive and negative modes
- Slim edge light design
- Robust and easy to install
- Dynamic modes triggered from the fire panel via a volt-free contact
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in three installation options: recessed, suspended and surface mount



SPECIFICATIONS

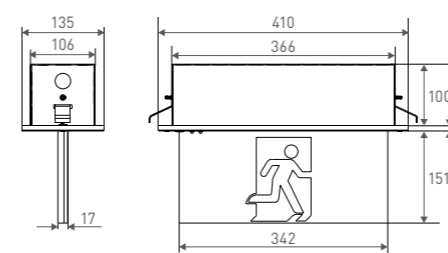
Operating Mode	Maintained with positive mode and negative mode
Power Consumption	Up to 14 W (positive and negative mode). Up to 8 W (normal mode)
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5 Ah, 12.8 V
Body Construction	White powder coated and Zinc steel
Diffuser Construction	Inner: High quality acrylic. Outer: Screen printed medium density opal acrylic
Compliance	AS/NZS 60598, AS/NZS 2293 (Normal Mode)

ORDER GUIDE

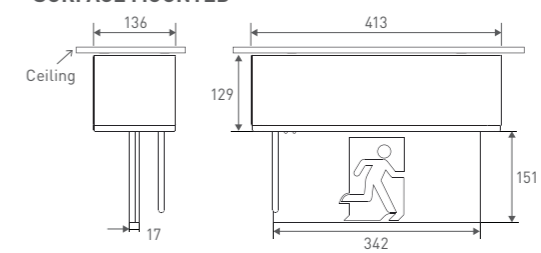
	Cat. No.	Description		Cat. No.	Description
Standalone - Recessed	659536LI	LED ss with RM straight	Standalone - Suspended	659546LI	LED ss with RM straight 10m remote gear
	659537LI	LED ss with RM left		659547LI	LED ss with RM left 10m remote gear
	659538LI	LED ss with RM right		659548LI	LED ss with RM right 10m remote gear
	659539LI	LED ds with RM straight		659549LI	LED ds with RM straight 10m remote gear
	659540LI	LED ds with RM left/right		659550LI	LED ds with RM left/right 10m remote gear
GALAXY - Recessed	659090LI	LED ss with RM straight	Galaxy - Suspended	659112LI	LED ss with RM straight 10m remote gear
	659089LI	LED ss with RM left		659113LI	LED ss with RM left 10m remote gear
	659088LI	LED ss with RM right		659114LI	LED ss with RM right 10m remote gear
	659108LI	LED ds with RM straight		659115LI	LED ds with RM straight 10m remote gear
	659109LI	LED ds with RM left/right		659116LI	LED ds with RM left/right 10m remote gear
Standalone - Surface mounted	659541LI	LED ss with RM straight	Accessories	659456	Dynamex Power Supply max 20 inputs
	659542LI	LED ss with RM left		659457	L-bracket
	659543LI	LED ss with RM right		659458	Wall bracket
	659544LI	LED ds with RM straight		659204	Spare LIION battery
	659545LI	LED ds with RM left/right			
GALAXY - Surface mounted	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			

DIMENSIONS IN MILLIMETRES (MM)

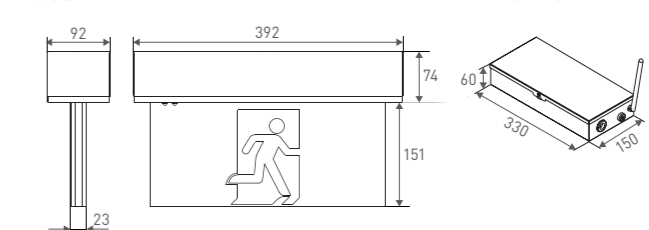
RECESSED



SURFACE MOUNTED



SUSPENDED



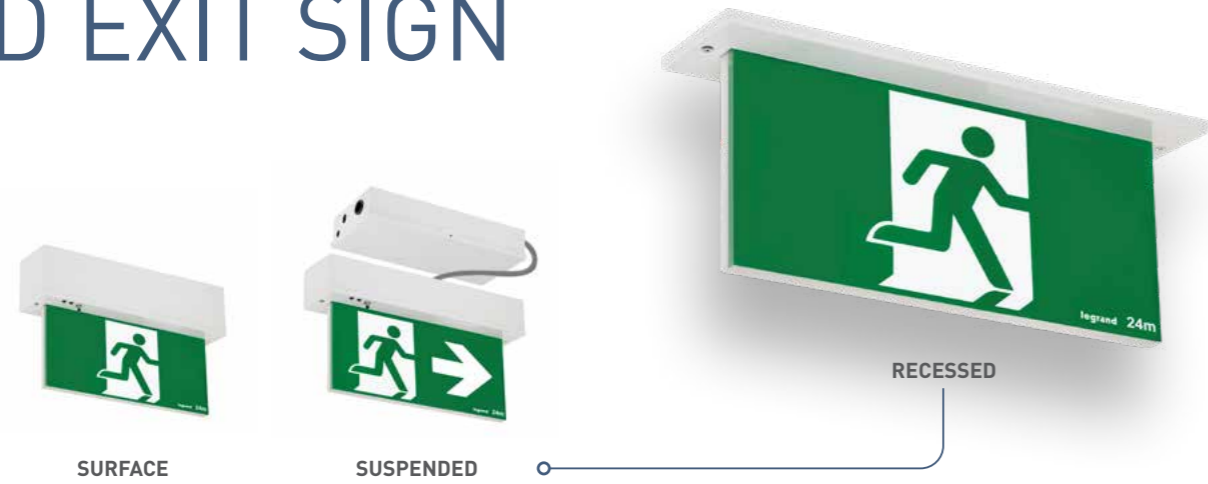
REMOTE GEAR

Note: A Dynamex power supply must be ordered for a group of Exit signs in order to activate the dynamic modes.



CLICK HERE
FOR MORE INFORMATION

EDGELIGHT LED EXIT SIGN



A ROBUST EDGELIGHT EXIT SIGN WITH AN ATTRACTIVE SLIM EDGE DESIGN

FEATURES

- Slim edge light design
- Robust and easy to install
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in three installation options: recessed, suspended and surface mount



SPECIFICATIONS

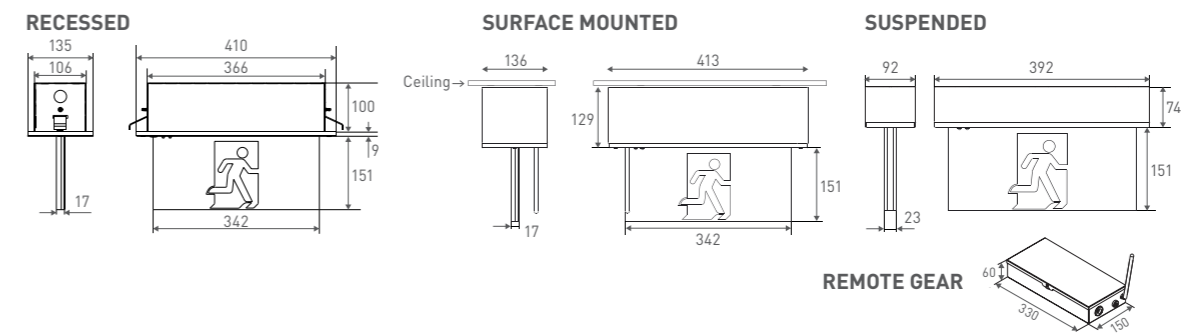
Operating Mode	Maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V
Body Construction	White powder-coated Zinc steel
Diffuser	Inner: High quality acrylic. Outer: Screen printed medium density opal acrylic
Compliance	AS/NZS 60598, AS/NZS 2293

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone - Recessed				Galaxy - Surface Mounted			
659555LI	LED ss with RM straight	D2.5	C40	659122LI	LED ss with RM straight	D2.5	C40
659556LI	LED ss with RM left	D2.5	C40	659123LI	LED ss with RM left	D2.5	C40
659557LI	LED ss with RM right	D2.5	C40	659124LI	LED ss with RM right	D2.5	C40
659558LI	LED ds with RM straight	D2.5	C40	659125LI	LED ds with RM straight	D2.5	C40
659559LI	LED ds with RM left/right	D2.5	C40	659126LI	LED ds with RM left/right	D2.5	C40
GALAXY - Recessed				Standalone - Suspended			
659117LI	LED ss with RM straight	D2.5	C40	659565LI	LED ss with RM straight 10m remote gear	D2.5	C40
659118LI	LED ss with RM left	D2.5	C40	659566LI	LED ss with RM left 10m remote gear	D2.5	C40
659119LI	LED ss with RM right	D2.5	C40	659567LI	LED ss with RM right 10m remote gear	D2.5	C40
659120LI	LED ds with RM straight	D2.5	C40	659568LI	LED ds with RM straight 10m remote gear	D2.5	C40
659121LI	LED ds with RM left/right	D2.5	C40	659569LI	LED ds with RM left/right 10m remote gear	D2.5	C40
Standalone - Surface Mounted				Galaxy - Suspended			
659560LI	LED ss with RM straight	D2.5	C40	659127LI	LED ss with RM straight 10m remote gea	D2.5	C40
659561LI	LED ss with RM left	D2.5	C40	659128LI	LED ss with RM left 10m remote gear	D2.5	C40
659562LI	LED ss with RM right	D2.5	C40	659129LI	LED ss with RM right 10m remote gear	D2.5	C40
659563LI	LED ds with RM straight	D2.5	C40	659130LI	LED ds with RM straight 10m remote gear	D2.5	C40
659564LI	LED ds with RM left/right	D2.5	C40	659131LI	LED ds with RM left/right 10m remote gear	D2.5	C40

RM - running man, ss - single sided, ds - double sided.

DIMENSIONS IN MILLIMETRES (MM)



SPACING TABLE

Classification	Mounting height (metres)					
	2.1	2.4	2.7	3	3.3	3.6
C40	10.6	11.3	12	12.6	13.1	13.6
D2.5	5.8	5.8	5.7	5.6	5.3	0.0*

Classification	Mounting height (metres)					
	2.1	2.4	2.7	3	3.3	3.6
C40	6.8	7.2	7.4	7.7	7.9	8
D2.5	0.0*	NA	NA	NA	NA	NA

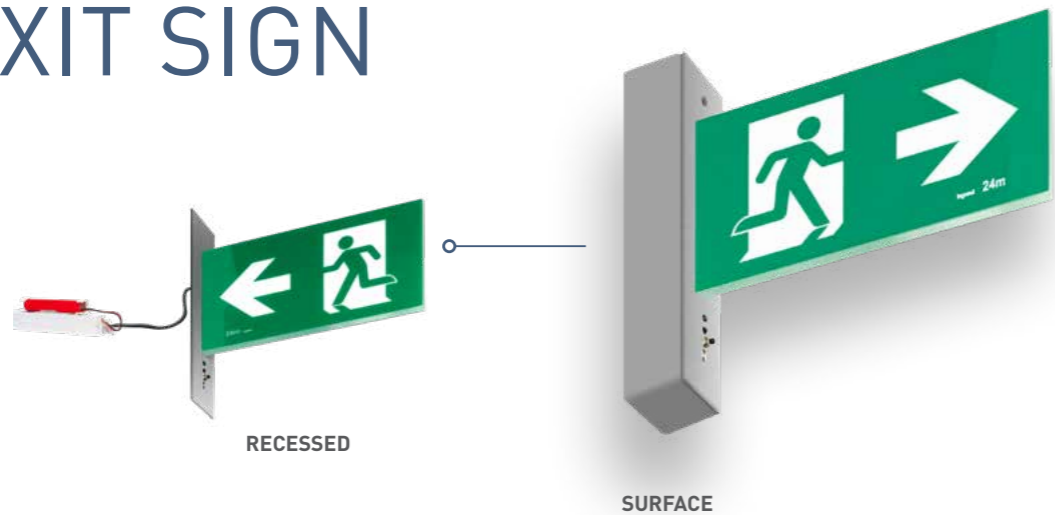
* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
N/A Exit sign without a spacing when installed at this mounting height.

As per AS/NZS 2293:2018



CLICK HERE
FOR MORE INFORMATION

E3 EDGE LIGHT LED EXIT SIGN



A MODERN FLAG STYLE WALL MOUNTED EXIT SIGN WITH DECORATIVE STAINLESS STEEL WALL PLATE

FEATURES

- Modern and sleek design
- Easy to install
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two installation options: recessed and surface mount



SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V or NiMH 3.6V, 2.1Ah for DALI models
Body Construction	Stainless steel wall plate and steel for surface mounting block
Diffuser Construction	Acrylic
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

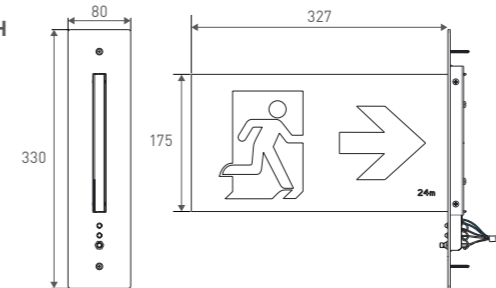
For complete fixture, order power pack + diffuser type (only for Standalone, Axiom and DALI. Galaxy models are supplied complete)

Cat. No.	Description	Cat. No.	Description
Standalone - Recessed Power Pack Only		GALAXY® - For Surface Installation	
684437/LI	Power pack LED	659074LI	SS Wall plate - RM with gear
Standalone - Surface Mounted Power Pack Only		659075LI	SS Wall plate - left arrow - RM with gear
684443/LI	Power pack LED silver	659076LI	SS Wall plate - RM - right arrow with gear
AXIOM® - Recessed Power Pack Only		659077LI	DS Wall plate - RM with gear
684438/LI	Power pack LED	659078LI	DS Wall plate - arrow to wall - RM with gear
AXIOM® - Surface Mounted Power Pack Only		659079LI	DS Wall plate - RM - arrow away from wall with gear
684444/LI	Power pack LED silver	659080LI	SS RM - wall plate with gear
Diffuser - Single-Sided - with Wall Plate		659081LI	SS Left arrow - RM - wall plate with gear
684431	Wall plate - RM	659082LI	SS RM - right arrow - wall plate with gear
684432	Wall plate - left arrow - RM	DALI - For Recessed Installation	
684433	Wall plate - RM - right arrow	684437/D	Maintained power pack LED - NiMH
684439	RM - wall plate	DALI - For Surface Installation	
684440	Left arrow - RM - wall plate	684431/D	Wall plate - RM
684441	RM - right arrow - wall plate	684432/D	Wall plate - left arrow - RM
Diffuser - Double-Sided - with Wall Plate		684433/D	Wall plate - RM - right arrow
684434	Wall plate - RM	684439/D	RM - wall plate
684435	Wall plate - arrow to wall - RM	684440/D	Left arrow - RM - wall plate
684436	Wall plate - RM - arrow away from wall	684441/D	RM - right arrow - wall plate
GALAXY® - For Recessed Installation		DALI - Diffuser - Double-sided - with Wall Plate	
659056LI	SS Wall plate - RM with gear	684434/D	Wall plate - RM
659057LI	SS Wall plate - left arrow - RM with gear	684435/D	Wall plate - arrow to wall - RM
659058LI	SS Wall plate - RM - right arrow with gear	684436/D	Wall plate - RM - arrow away from wall
659059LI	DS Wall plate - RM with gear	Accessories	
659060LI	DS Wall plate - arrow to wall - RM with gear	659200	Spare LIION battery
659061LI	DS Wall plate - RM - arrow away from wall with gear	RM - running man, ss - single sided, ds - double sided.	
659062LI	SS RM - wall plate with gear	Note: Product complies with AS/NZS2293 however does not have a photometric classification	
659063LI	SS Left arrow - RM - wall plate with gear		
659064LI	SS RM - right arrow - wall plate with gear		

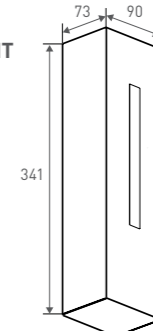
DIMENSIONS

IN MILLIMETRES (MM)

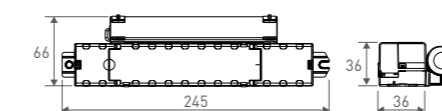
DIFFUSER WITH WALL PLATE



POWER PACK SURFACE MOUNT



POWER PACK RECESSED



2015 IES
LUMINAIRE
AWARD OF
COMMENDATION



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E2 EDGELIGHT LED EXIT SIGN



SURFACE WHITE



SURFACE THEATRE

RECESSED



A PREMIUM LED EDGELIGHT EXIT SIGN WITH A SLIM DESIGN AND ADJUSTABLE DIFFUSER

FEATURES

- Slim and adjustable diffuser
- Easy slide mounting bracket for simple installation
- Large terminal block for ease of connection
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in three installation options: wall, ceiling and cantilever mount



SPECIFICATIONS

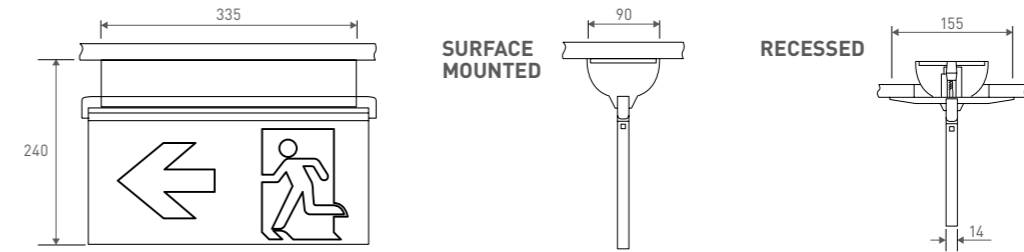
Operating Mode	Maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V or NiMH 3.6V, 2.1Ah for DALI models
Body Construction	Polycarbonate
Diffuser Construction	Acrylic
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone - Recessed				DALI - Recessed			
684730/LI	LED with RM decals/ss/ds white	E4	C20	684730/D	LED with RM decals/ss/ds white - NiMH	E4	C20
Standalone - Surface Mounted				DALI - Surface Mounted			
684731/LI	LED with RM decals/ss/ds white	E4	C20	684731/D	LED with RM decals/ss/ds white - NiMH	E4	C20
684733/LI	LED with RM decals/ss/ds theatre	N/A	N/A	684733/D	LED with RM decals/ss/ds theatre - NiMH	N/A	N/A
GALAXY® - Recessed				Accessories			
659003/LI	LED with RM decals/ss/ds white	E4	C20	684737	Mounting block kit white		
659004/LI	LED with RM decals/ss/ds theatre	N/A	N/A	686216	Wire suspension kit 2 x 6m		
GALAXY® - Surface Mounted				686235	Wire guard for wall mount exit signs		
659005/LI	LED with RM decals/ss/ds white	E4	C20	686236	Wire guard for ceiling mount exit signs		
659006/LI	LED with RM decals/ss/ds theatre	N/A	N/A	686260	Suspension rod kit 600mm white		
AXIOM® - Recessed				686261	Suspension rod kit 1200mm white		
684740/LI	LED with RM decals/ss/ds white	E4	C20	686262	Suspension rod kit 3000mm white		
AXIOM® - Surface Mounted				686263	Suspension rod kit 600mm black		
684741/LI	LED with RM decals/ss/ds white	E4	C20	686264	Suspension rod kit 1200mm black		
684743/LI	LED with RM decals/ss/ds theatre	N/A	N/A	686265	Suspension rod kit 3000mm black		
				686270	Weatherproof IP65 enclosure		
				659200	Spare LIION battery		

RM - running man, ss - single sided, ds - double sided.
N/A: Theatre versions have no classification as they are an internally illuminated sign as per AS/NZS 2293.

DIMENSIONS IN MILLIMETRES (MM)



SPACING TABLE

Classification	Maximum spacing between luminaires.						
	Mounting height (metres)						
0.2 LUX	C20	2.1	2.4	2.7	3	3.3	3.6
	E4	8.9	9.4	9.9	10.3	10.7	11.1
1 LUX	C20	6.2	6.6	6.9	7.1	7.3	7.3
	E4	5.4	5.6	5.7	5.8	5.8	5.8
		0.0*	0.0*	0.0*	N/A	N/A	N/A

As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.



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ECONOMY EDGELIGHT LED EXIT SIGN



A SIMPLE AND AFFORDABLE LED EDGELIGHT EXIT SIGN DESIGNED FOR COST EFFECTIVE INSTALLATIONS

FEATURES

- Easy slide bracket
- Drop in decals
- Removeable recess trim
- Large terminal block for ease of connection
- iSmart™ temperature sensing technology for the LIION battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Environmentally friendly battery
- Available in three installation options: recessed, wall and ceiling mount

SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V
Body Construction	Polycarbonate
Diffuser Construction	Polycarbonate
Weight	1.2 kg
Compliance	AS/NZS 2293, AS/NZS 60598

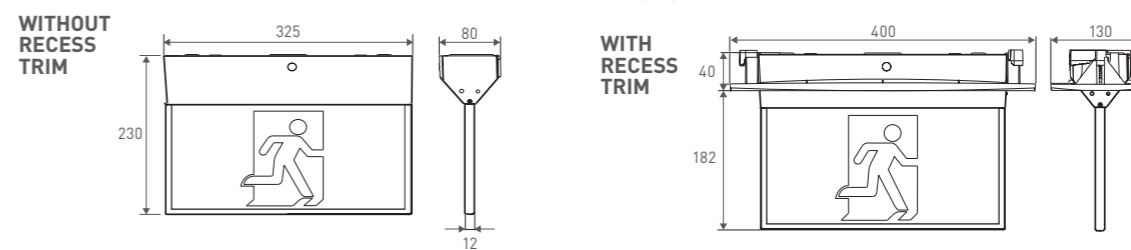
ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description
659624LI	LED with RM decals ss/ds	B8	A20		Accessories
686216	Wire suspension kit 2 x 6m			686216	Wire suspension kit 2 x 6m
686235	Wire guard for wall mount exit signs			686235	Wire guard for wall mount exit signs
686236	Wire guard for ceiling mount exit signs			686236	Wire guard for ceiling mount exit signs
686260	Suspension rod kit 600mm white			686260	Suspension rod kit 600mm white
686261	Suspension rod kit 1200mm white			686261	Suspension rod kit 1200mm white
686262	Suspension rod kit 3000mm white			686262	Suspension rod kit 3000mm white
686270	Weatherproof IP65 enclosure			686270	Weatherproof IP65 enclosure
659208	Spare LIION battery			659208	Spare LIION battery

RM - running man, ss - single sided, ds - double sided.

DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE

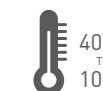


0.2 LUX	Classification	Maximum spacing between luminaires. Mounting height (metres)					
		2.1	2.4	2.7	3.0	3.3	3.6
	B8	5.4	5.7	6.0	6.2	6.4	6.6
	A20	5.9	6.4	6.8	7.2	7.5	7.8

1 LUX	Classification	Maximum spacing between luminaires. Mounting height (metres)					
		2.1	2.5	2.7	3.0	3.3	3.6
	B8	3.1	3.1	3.0	0.0*	0.0*	0.0*
	A20	3.9	4.1	4.3	4.4	4.4	4.4

As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.



A MODERN AND SLIM EXIT SIGN FEATURING SUPERIOR OPTICS AND HONEY COMB DIFFUSER

FEATURES

- Slim and discrete aesthetic design
- Honeycomb lens with matt finish diffuser sides for glare reduction and maximum light dispersion
- Simple and fast maintenance with integrated push in tabs on diffuser and installation bracket
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Large spring loaded auto-disconnect terminal block for ease of connection
- Available in two installation options: wall and ceiling mount
- Available in two types: **Snap-fit bracket** for fast installation and a sleek design
Slide connect bracket designed for retrofit of previous slide connect generations



SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	2.5 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V
Body Construction	Polycarbonate
Diffuser Construction	Polycarbonate
Weight	1.2 kg (Snap-fit). 1.3 kg (Slide connect)
Compliance	AS/NZS 60598, AS/NZS 2293

ORDER GUIDE

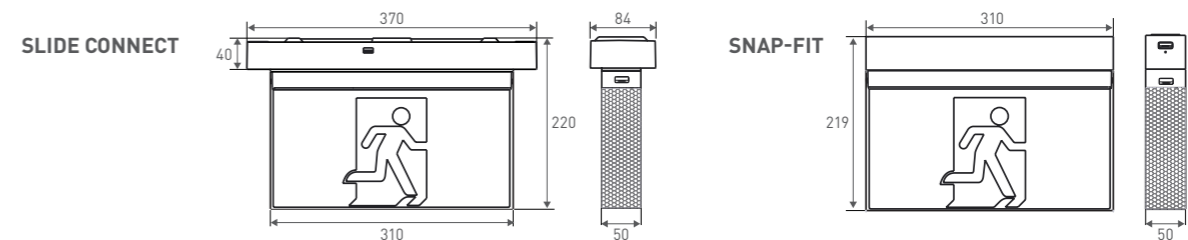
Cat. No.	Description	C0	C90	Cat. No.	Description
Standalone - Snap-fit Bracket				Accessories	
659573LI	LED set of 3xRM decals ss/ds - white	E6.3	D6.3	659459	L-Bracket for snap-fit models - white
659574LI	LED set of 3xRM decals ss/ds - theatre	N/A	N/A	686215	L-Bracket for slide connect models - white
659577LI	LED set of 3xRM decals ss/ds - black	E6.3	D6.3	686216	Wire suspension kit 2x6m
Standalone - Slide Connect Bracket				686235	Wire guard for wall mount exit signs
659575LI	LED set of 3xRM decals ss/ds - white	E6.3	D6.3	686236	Wire guard for ceiling mount exit signs
659576LI	LED set of 3xRM decals ss/ds - theatre	N/A	N/A	686260	Suspension rod kit 600mm - white
659578LI	LED set of 3xRM decals ss/ds - black	E6.3	D6.3	686261	Suspension rod kit 1200mm - white
Galaxy - Snap-fit Bracket				686262	Suspension rod kit 3000mm - white
659135LI	LED set of 3xRM decals ss/ds - white	E6.3	D6.3	686263	Suspension rod kit 600mm - black
659136LI	LED set of 3xRM decals ss/ds - theatre	N/A	N/A	686264	Suspension rod kit 1200mm - black
659139LI	LED set of 3xRM decals ss/ds - black	E6.3	D6.3	686265	Suspension rod kit 3000mm - black
Galaxy - Slide Connect Bracket				686270	Weatherproof IP65 enclosure
659137LI	LED set of 3xRM decals ss/ds - white	E6.3	D6.3	659460	Anti-tamper kit - white
659138LI	LED set of 3xRM decals ss/ds - theatre	N/A	N/A	659461	Anti-tamper kit - black
659140LI	LED set of 3xRM decals ss/ds - black	E6.3	D6.3	659208	Spare LIION battery

RM - running man, ss - single sided, ds - double sided.

N/A: Theatre versions have no classification as they are an internally illuminated sign as per AS/NZS 2293.

DIMENSIONS

IN MILLIMETRES (MM)

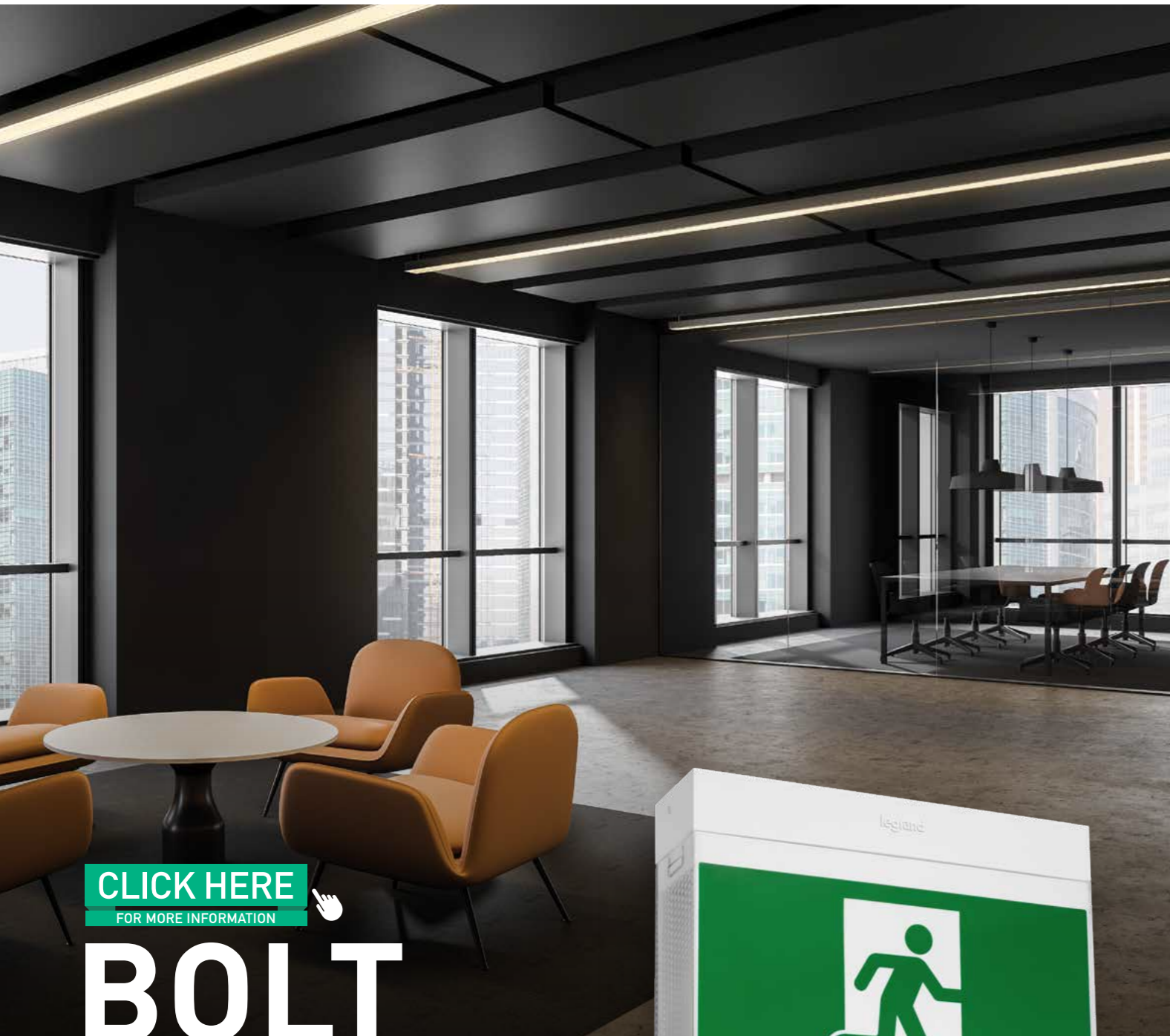


SPACING TABLE

Classification	Maximum spacing between luminaires.					
	Mounting height (metres)					
0.2 LUX	2.1	2.4	2.7	3	3.3	3.6
D6.3	8.5	8.8	8.9	9.1	9.1	9.2
E6.3	6.9	7.4	7.9	8.2	8.5	8.8
1 LUX	Maximum spacing between luminaires.					
	Mounting height (metres)					
	2.1	2.4	2.7	3	3.3	3.6
D6.3	4	3.7	0.0*	0.0*	0.0*	0.0*
E6.3	4.1	4.1	0.0*	0.0*	0.0*	N/A

* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
N/A Exit sign without a spacing when installed at this mounting height.

As per AS/NZS 2293:2018



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BOLT

LED EXIT SIGN



SLIDE CONNECT WHITE



SNAP-FIT BLACK



SNAP-FIT THEATRE

A ROBUST TAPERED DESIGN EXIT SIGN WITH SLIDE CONNECT BRACKET

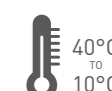
FEATURES

- Slide connect bracket for ease of installation
- Large terminal block for ease of connection
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two installation options: wall and ceiling mount



SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V or NiMH 3.6V, 2.1Ah for DALI models
Body Construction	ABS
Diffuser Construction	Polycarbonate
Compliance	AS/NZS 2293, AS/NZS 60598



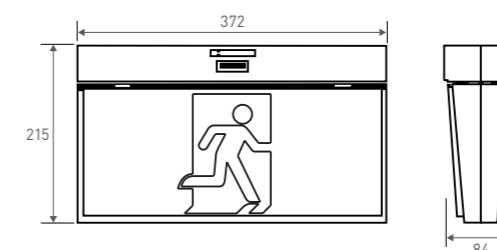
ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description
Standalone				Accessories	
686200/LI	LED set of 4xRM decals/ss/ds - white	D4	C2.5	686215	L bracket for slide connect bracket - white
686206/LI	LED set of 4xRM decals/ss/ds - theatre	N/A	N/A	686216	Wire suspension kit 2 x 6m
GALAXY®				686235	Wire guard for wall mount exit signs
659000/LI	LED set of 4xRM decals/ss/ds - white	D4	C2.5	686236	Wire guard for ceiling mount exit signs
659001/LI	LED set of 4xRM decals/ss/ds - theatre	N/A	N/A	686260	Suspension rod kit 600mm white
AXIOM®				686261	Suspension rod kit 1200mm white
686203/LI	LED set of 4xRM decals/ss/ds - white	D4	C2.5	686262	Suspension rod kit 3000mm white
686207/LI	LED set of 4xRM decals/ss/ds - theatre	N/A	N/A	686263	Suspension rod kit 600mm black
DALI				686264	Suspension rod kit 1200mm black
686200/D	LED set of 4xRM decals/ss/ds - white - NiMH	D4	C2.5	686265	Suspension rod kit 3000mm black
686206/D	LED set of 4xRM decals/ss/ds - theatre - NiMH	N/A	N/A	686270	Weatherproof IP65 enclosure
				659200	Spare LIION battery

RM - running man, ss - single sided, ds - double sided.
 N/A: Theatre versions have no classification as they are an internally illuminated sign as per AS/NZS 2293.

DIMENSIONS

IN MILLIMETRES (MM)



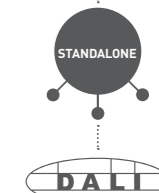
SPACING TABLE

		Maximum spacing between luminaires.					
Classification	Mounting height (metres)	Mounting height (metres)					
		2.1	2.4	2.7	3	3.3	3.6
C2.5	0.2 LUX	4.5	4.6	4.6	4.5	4.4	0.0*
D4	0.2 LUX	7.1	7.2	7.3	7.3	7.2	7.1

		Maximum spacing between luminaires.					
Classification	Mounting height (metres)	Mounting height (metres)					
		2.1	2.4	2.7	3	3.3	3.6
C2.5	1 LUX	0.0*	N/A	N/A	N/A	N/A	N/A
D4	1 LUX	0.0*	0.0*	0.0*	N/A	N/A	N/A

As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
 N/A: Exit sign without a spacing when installed at this mounting height.



For LIION models



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G2 LED EXIT SIGN



THEATRE



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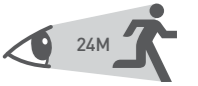
ECONOMY LED EXIT SIGN



A SIMPLE EXIT SIGN COMPLETE WITH SLIDE BRACKET

FEATURES

- Easy slide bracket
- Drop in decals
- Large terminal block for ease of connection
- iSmart™ temperature sensing technology for the LIION battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two installation options: wall and ceiling mount



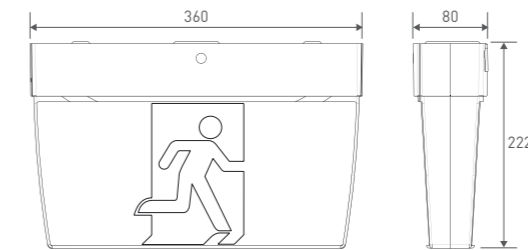
SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	3.5 W
Nominal Input Voltage	230 - 240V a.c 50Hz
Battery	Li-ion 0.57Ah, 6.4V
Body Construction	Polycarbonate
Diffuser Construction	Polycarbonate
Compliance	AS/NZS 2293, AS/NZS60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description
Standalone				Accessories	
685100LI	LED 3xRM decals ss/ds	D3.2	D3.2	686216	Wire suspension kit 2 x 6m
RM - running man, ss - single sided, ds - double sided.					
				686235	Wire guard for wall mount exit signs
				686236	Wire guard for ceiling mount exit signs
				686260	Suspension rod kit 600mm white
				686261	Suspension rod kit 1200mm white
				686262	Suspension rod kit 3000mm white
				686270	Weatherproof IP65 enclosure
				659208	Spare LIION battery

DIMENSIONS IN MILLIMETRES (MM)



SPACING TABLE

Classification	Maximum spacing between luminaires.					
	Mounting height (metres)					
0.2 LUX	2.1	2.4	2.7	3	3.3	3.6
	D3.2	6.5	6.5	6.5	6.5	6.3
1 LUX	2.1	2.4	2.7	3	3.3	3.6
	D3.2	0.0*	0.0*	N/A	N/A	N/A

As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
N/A: Exit sign without a spacing when installed at this mounting height.

A VANDAL AND TAMPER RESISTANT EXIT SIGN WITH A FLEXIBLE THERMOPLASTIC DIFFUSER

FEATURES

- Unbreakable flexible thermo plastic diffuser
- Diffuser cannot be used as a weapon if dislodged
- Anti-tamper Resistor screws to prevent removal of the unit
- Thick 6mm polycarbonate panel to prevent entry to electronic components
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs



For LIION models



SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	4 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 0.57Ah, 6.4V or NiMH 3.6V, 2.1Ah for DALI models
Body Construction	Zinc coated steel finished in white powder coat
Diffuser Construction	Unbreakable flexible thermoplastic
Weight	1.9 kg (surface), 2.2 kg (recessed)
Compliance	AS/NZS 2293, AS/NZS 60598

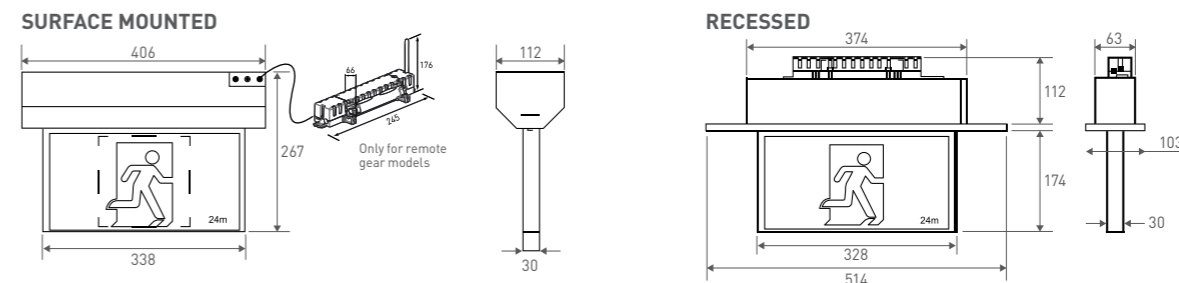
ORDER GUIDE

	Cat. No.	Description	C0	C90		Cat. No.	Description	C0	C90
Standalone - Recessed	684770/LI	LED ss RM	E1.25	E1	AXIOM® (Wired Only) - Surface Mounted	684785/LI	LED ss RM	E1.25	E1
	684771/LI	LED ss RM left	E1.25	E1		684786/LI	LED ss RM left	E1.25	E1
	684772/LI	LED ss RM right	E1.25	E1		684787/LI	LED ss RM right	E1.25	E1
	684773/LI	LED ds RM	E1.25	E1		684788/LI	LED ds RM	E1.25	E1
	684774/LI	LED ds RM left/right	E1.25	E1		684789/LI	LED ds RM left/right	E1.25	E1
Standalone - Surface Mounted	684775/LI	LED ss RM	E1.25	E1	DALI - Recessed	684770/D	LED ss RM - NiMH	E1.25	E1
	684776/LI	LED ss RM left	E1.25	E1		684771/D	LED ss RM left - NiMH	E1.25	E1
	684777/LI	LED ss RM right	E1.25	E1		684772/D	LED ss RM right - NiMH	E1.25	E1
	684778/LI	LED ds RM	E1.25	E1		684773/D	LED ds RM - NiMH	E1.25	E1
	684779/LI	LED ds RM left/right	E1.25	E1		684774/D	LED ds RM left/right - NiMH	E1.25	E1
GALAXY® - Recessed	659044/LI	LED ss RM	E1.25	E1	DALI - Surface Mounted	684775/D	LED ss RM - NiMH	E1.25	E1
	659045/LI	LED ss RM left	E1.25	E1		684776/D	LED ss RM left - NiMH	E1.25	E1
	659046/LI	LED ss RM right	E1.25	E1		684777/D	LED ss RM right - NiMH	E1.25	E1
	659047/LI	LED ds RM	E1.25	E1		684778/D	LED ds RM - NiMH	E1.25	E1
	659048/LI	LED ds RM left/right	E1.25	E1		684779/D	LED ds RM left/right - NiMH	E1.25	E1
GALAXY® - Surface Mounted Remote Gear	659049/LI	LED ss RM	E1.25	E1	Accessories	659464	L - bracket - white		
	659050/LI	LED ss RM left	E1.25	E1		659465	Wall bracket - white		
	659051/LI	LED ss RM right	E1.25	E1		659200	Spare LIION battery		
	659052/LI	LED ds RM	E1.25	E1					
	659053/LI	LED ds RM left/right	E1.25	E1					
AXIOM® - Recessed	684780/LI	LED ss RM	E1.25	E1					
	684781/LI	LED ss RM left	E1.25	E1					
	684782/LI	LED ss RM right	E1.25	E1					
	684783/LI	LED ds RM	E1.25	E1					
	684784/LI	LED ds RM left/right	E1.25	E1					

RM - running man, ss - single sided, ds - double sided.

DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE



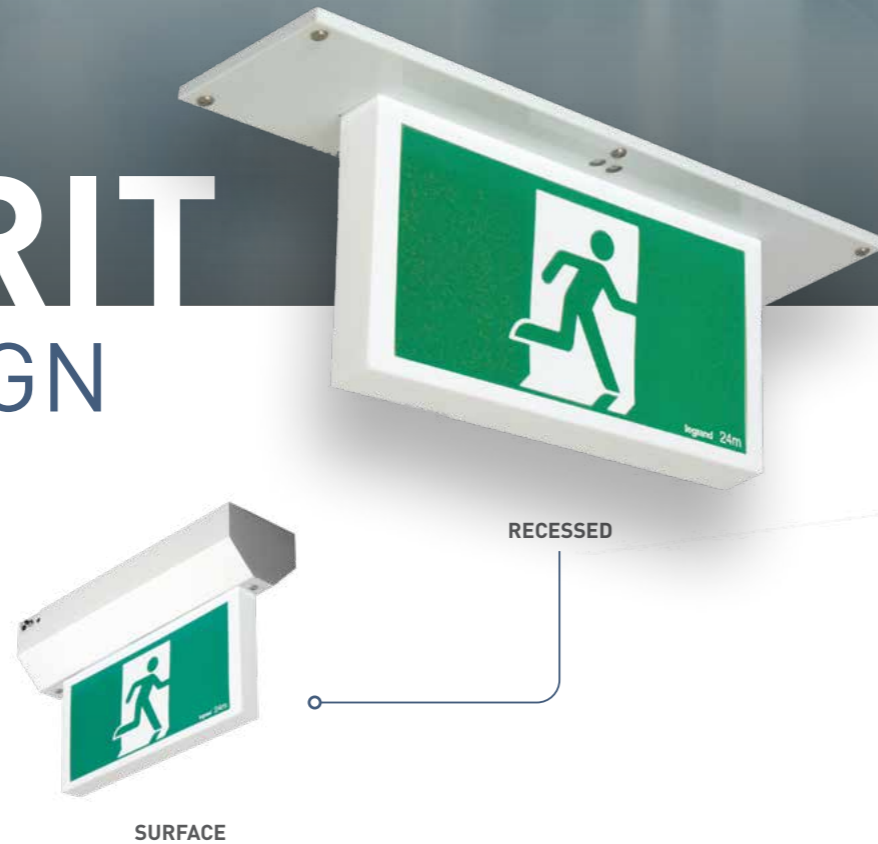
Classification	Maximum spacing between luminaires.					
	Mounting height (metres)					
E1.25	2.1	2.4	2.7	3.0	3.3	3.6
E1	4.1	4.1	0.0*	0.0*	0.0*	0.0*
E1	3.7	0.0*	0.0*	0.0*	N/A	N/A

As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
N/A - Exit sign without a spacing when installed at this mounting height. **Note:** For 1.0 lux, this exit sign has no spacing when installed.

CLICK HERE
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SECURIT LED EXIT SIGN



SURFACE

RECESSED



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LARGE LED EXIT SIGN



60M



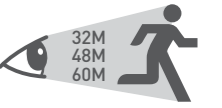
48M

32M

A RANGE OF LARGE LONG DISTANCE VIEWING EXIT SIGNS

FEATURES

- Large terminal block for ease of connection
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Two installation wall brackets available
- Available in three large sizes for longer viewing distances
- Ceiling mount



SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	4.5 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5Ah, 6.4V or NiMH 4.8V, 2.1Ah for DALI models
Body Construction	Zinc steel - white
Diffuser Construction	Opal acrylic
Compliance	AS/NZS 2293, AS/NZS 60598



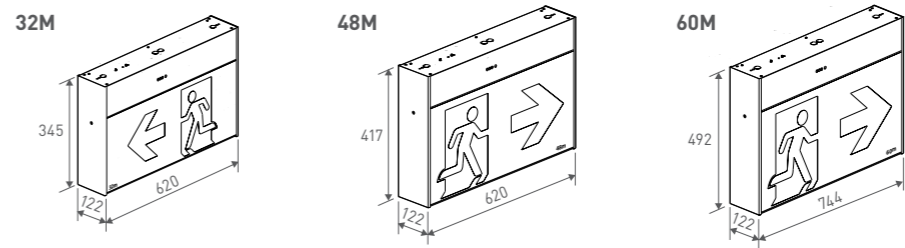
ORDER GUIDE

	Cat. No.	Description	C0	C90		Cat. No.	Description	C0	C90
32m Standalone	684481/LI	LED ss RM	D12.5	D5	48m AXIOM®	684496/LI	LED ss RM	D12.5	D4
	684482/LI	LED ss RM left	D12.5	D5		684497/LI	LED ss RM left	D12.5	D4
	684483/LI	LED ss RM right	D12.5	D5		684498/LI	LED ss RM right	D12.5	D4
	684484/LI	LED ds RM	D12.5	D5		684499/LI	LED ds RM	D12.5	D4
	684485/LI	LED ds RM left/right	D12.5	D5		684500/LI	LED ds RM left/right	D12.5	D4
32m GALAXY®	659023/LI	LED ss RM	D12.5	D5	48m DALI	684486/D	LED ss RM - NiMH	D12.5	C12.5
	659024/LI	LED ss RM left	D12.5	D5		684487/D	LED ss RM left - NiMH	D12.5	C12.5
	659025/LI	LED ss RM right	D12.5	D5		684488/D	LED ss RM right - NiMH	D12.5	C12.5
	659026/LI	LED ds RM	D12.5	D5		684489/D	LED ds RM - NiMH	D12.5	C12.5
	659027/LI	LED ds RM left/right	D12.5	D5		684490/D	LED ds RM left/right - NiMH	D12.5	C12.5
32m AXIOM®	684491/LI	LED ss RM	D12.5	D5	60m Standalone	684501/LI	LED ss RM	D10	D3.2
	684492/LI	LED ss RM left	D12.5	D5		684502/LI	LED ss RM left	D10	D3.2
	684493/LI	LED ss RM right	D12.5	D5		684503/LI	LED ss RM right	D10	D3.2
	684494/LI	LED ds RM	D12.5	D5		684504/LI	LED ds RM	D10	D3.2
	684495/LI	LED ds RM left/right	D12.5	D5		684505/LI	LED ds RM left/right	D10	D3.2
32m DALI	684481/D	LED ss RM - NiMH	D12.5	D5	60m GALAXY®	659033/LI	LED ss RM	D10	D3.2
	684482/D	LED ss RM left - NiMH	D12.5	D5		659034/LI	LED ss RM left	D10	D3.2
	684483/D	LED ss RM right - NiMH	D12.5	D5		659035/LI	LED ss RM right	D10	D3.2
	684484/D	LED ds RM - NiMH	D12.5	D5		659036/LI	LED ds RM	D10	D3.2
	684485/D	LED ds RM left/right - NiMH	D12.5	D5		659037/LI	LED ds RM left/right	D10	D3.2
48m Standalone	684486/LI	LED ss RM	D12.5	D4	60m AXIOM®	684511/LI	LED ss RM	D10	D3.2
	684487/LI	LED ss RM left	D12.5	D4		684512/LI	LED ss RM left	D10	D3.2
	684488/LI	LED ss RM right	D12.5	D4		684513/LI	LED ss RM right	D10	D3.2
	684489/LI	LED ds RM	D12.5	D4		684514/LI	LED ds RM	D10	D3.2
	684490/LI	LED ds RM left/right	D12.5	D4		684515/LI	LED ds RM left/right	D10	D3.2
48m GALAXY®	659028/LI	LED ss RM	D12.5	D4	Accessories	684508	Wall bracket for 32/48m		
	659029/LI	LED ss RM left	D12.5	D4		684506	Wall bracket for 60m		
	659030/LI	LED ss RM right	D12.5	D4		684509	Flush wall bracket for 32/48m		
	659031/LI	LED ds RM	D12.5	D4		684507	Flush wall bracket for 60m		
	659032/LI	LED ds RM left/right	D12.5	D4		659202	Spare LIION battery		

RM - running man, ss - single sided, ds - double sided.

DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE

0.2 LUX	Classification	Maximum spacing between luminaires.					1 LUX	Classification	Maximum spacing between luminaires.				
		Mounting height (metres)							Mounting height (metres)				
		2.4	2.7	3.0	3.3	5.0			2.4	2.7	3.0	3.3	5.0
	D3.2	6.5	6.5	6.5	6.3	0.0*		D3.2	0.0*	N/A	N/A	N/A	N/A
	D4	7.2	7.3	7.3	7.2	0.0*		D4	0.0*	0.0*	N/A	N/A	N/A
	D5	8.0	8.1	8.2	8.2	7.2		D5	0.0*	0.0*	0.0*	N/A	N/A
	D10	10.5	10.8	11.0	11.2	11.5		D10	5.1	5.0	4.7	0.0*	N/A
	D12.5	11.4	11.8	12.1	12.3	12.9		D12.5	5.8	5.7	5.6	5.3	N/A

As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5. N/A - Exit sign without a spacing when installed at this mounting height.



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FOR MORE INFORMATION

WEATHERPROOF LED EXIT SIGN



A WEATHER RESISTANT LED EXIT DESIGNED TO WITHSTAND STRONG WEATHER CONDITIONS

FEATURES

- Large terminal block
- Removable gear tray for ease of maintenance
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Wall mounted with three optional bracket accessories
- Available in two sizes for longer viewing distances

SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	5.4 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5Ah, 6.4V or NiMH 2.1 Ah, 3.6V (24m) / 2.1 Ah 4.8V (32m) for DALI models
Body Construction	Polycarbonate
Diffuser Construction	Polycarbonate
Weight	24m version: 2.3 kg 32m version: 4.5 kg
Compliance	AS/NZS 2293, AS/NZS 60598

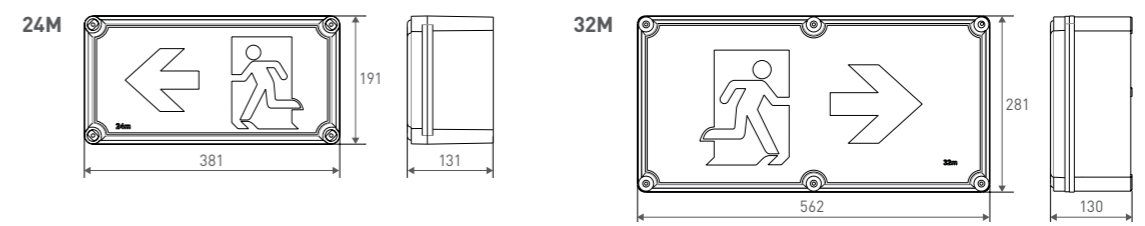
ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone - 24m				GALAXY® - 32m			
684650/LI	LED ss RM	E2.5	E2	659041LI	LED ss RM	E2.5	E2
684651/LI	LED ss RM left	E2.5	E2	659042LI	LED ss RM left	E2.5	E2
684652/LI	LED ss RM right	E2.5	E2	659043LI	LED ss RM right	E2.5	E2
GALAXY® - 24m				AXIOM® - 32m			
659038LI	LED ss RM	E2.5	E2	684680/LI	LED ss RM	E2.5	E2
659039LI	LED ss RM left	E2.5	E2	684681/LI	LED ss RM left	E2.5	E2
659040LI	LED ss RM right	E2.5	E2	684682/LI	LED ss RM right	E2.5	E2
AXIOM® - 24m				DALI - 32m			
684660/LI	LED ss RM	E2.5	E2	684670/D	LED ss RM - NiMH	E2.5	E1.6
684661/LI	LED ss RM left	E2.5	E2	684671/D	LED ss RM left - NiMH	E2.5	E1.6
684662/LI	LED ss RM right	E2.5	E2	684672/D	LED ss RM right - NiMH	E2.5	E1.6
DALI - 24m				Accessories			
684650/D	LED ss RM - NiMH	D3.2	E2	684690	Wall bracket for 24m		
684651/D	LED ss RM left - NiMH	D3.2	E2	684691	Side bracket for 24m		
684652/D	LED ss RM right - NiMH	D3.2	E2	684692	Ceiling bracket for 24m		
Standalone - 32m				659202	Spare LIION battery		
684670/LI	LED ss RM	E2.5	E2				
684671/LI	LED ss RM left	E2.5	E2				
684672/LI	LED ss RM right	E2.5	E2				

RM - running man, ss - single sided.

DIMENSIONS

IN MILLIMETRES (MM)

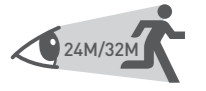


SPACING TABLE

0.2 LUX	Maximum spacing between luminaires.					
	Classification	Mounting height (metres)				
E2.5	2.1	2.4	2.7	3.0	3.3	3.6
E2	5.0	5.2	5.2	5.2	0.0*	0.0*

As per AS/NZS 2293:2018

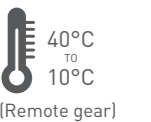
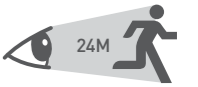
* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
Note: For 1.0 lux, this luminaire is only internally lit exit sign without spacing when installed.



A WEATHER RESISTANT LED EXIT WITH REMOTE GEAR DESIGNED FOR COOL ROOM OR FREEZER APPLICATIONS

FEATURES

- Large terminal block
- Remote gear allowing exit sign to operate down to -30°C
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Wall mounted with three optional bracket accessories



SPECIFICATIONS

Operating Mode	Maintained
Power Consumption	5.4 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5Ah, 6.4V
Body Construction	Polycarbonate
Diffuser Construction	Polycarbonate
Weight	2.3 kg
Compliance	AS/NZS 2293, AS/NZS 60598

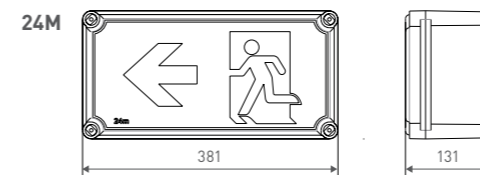
ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone							
684659/LI	LED ss RM freezer -30°C remote gear	E2.5	E2	684669/LI	LED ss RM freezer -30°C remote gear	E2.5	E2
659579/LI	LED ss RM left freezer -30°C remote gear	E2.5	E2	659581/LI	LED ss RM left freezer -30°C remote gear	E2.5	E2
659580/LI	LED ss RM right freezer -30°C remote gear	E2.5	E2	659582/LI	LED ss RM right freezer -30°C remote gear	E2.5	E2
GALAXY®							
659084LI	LED ss RM freezer -30°C remote gear	E2.5	E2	684690	Wall bracket for 24m		
659085LI	LED ss RM left freezer -30°C remote gear	E2.5	E2	684691	Side bracket for 24m		
659086LI	LED ss RM right freezer -30°C remote gear	E2.5	E2	684692	Ceiling bracket for 24m		
				659202	Spare LIION battery		

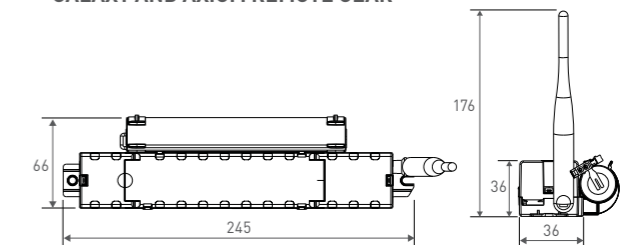
RM - running man, ss - single sided.

DIMENSIONS

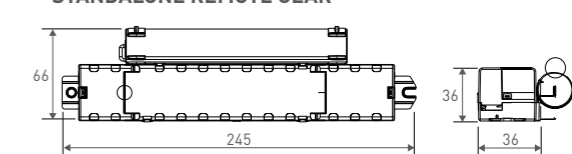
IN MILLIMETRES (MM)



GALAXY AND AXIOM REMOTE GEAR



STANDALONE REMOTE GEAR



SPACING TABLE



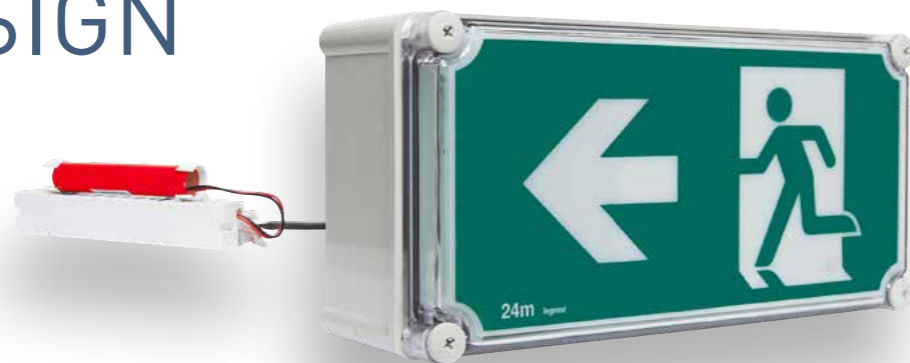
Classification	Maximum spacing between luminaires					
	Mounting height (metres)					
E2.5	2.1	2.4	2.7	3.0	3.3	3.6
E2	5.4	5.6	5.8	5.8	5.8	0.0*
E2	5.0	5.2	5.2	5.2	0.0*	0.0*

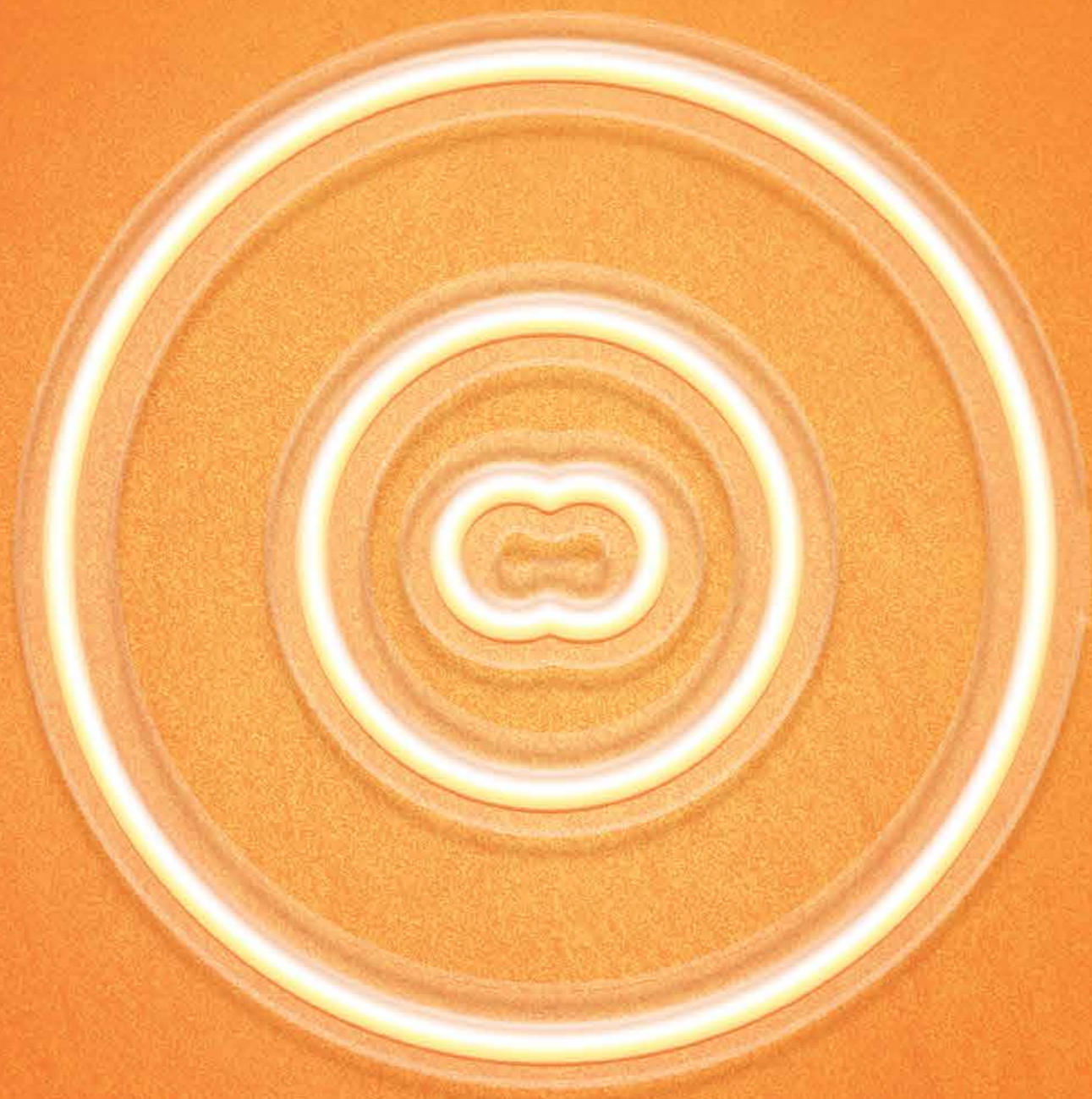
As per AS/NZS 2293:2018

* Exit sign satisfies the requirement to illuminate the doorway or potential hazard, however without a spacing for this mounting height as per AS/NZS 2293:2018 clause 4.5.
 Note: For 1.0 lux, this luminaire is only internally lit exit sign without spacing when installed.

CLICK HERE
FOR MORE INFORMATION

FREEZER WEATHERPROOF LED EXIT SIGN





SATELLITES & TWINSPOTS

2018 IES LUMINAIRE AWARD OF COMMENDATION



CLICK HERE FOR MORE INFORMATION

D50 LED SATELLITE



BLACK RECESSED



WHITE SURFACE



BLACK SURFACE

WHITE RECESSED

DISCRETE TO THE EYE, THE D50 LED SATELLITE IS SECOND TO NONE WITH ITS MODERN DESIGN AND LATEST TECHNOLOGY CAPABILITIES

FEATURES

- Modern and discrete design
- Supplied with flex & plug (recessed models) or large terminal block (surface models)
- Three fascia accessories (small, medium or large ring) included in recessed models
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two installation options: recessed and surface mount
- Finishes: white or black

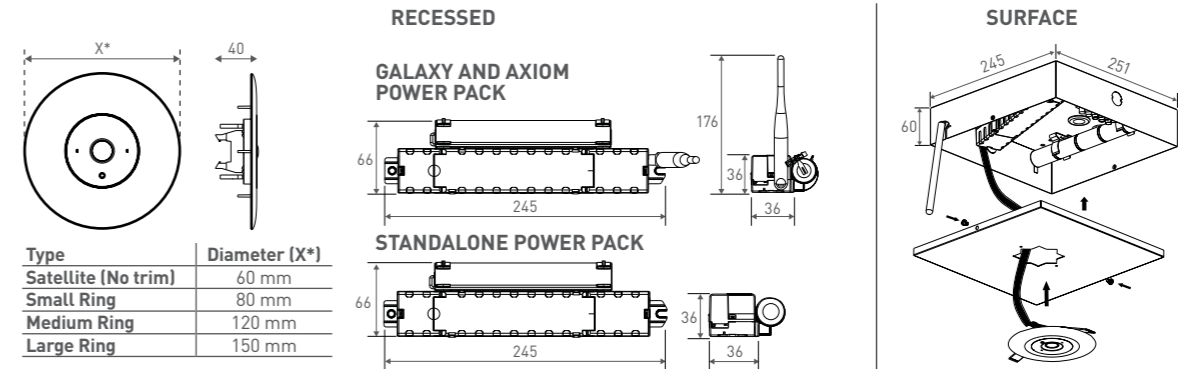
SPECIFICATIONS

Operating Mode	Non-maintained
Power Consumption	2 W or 3 W for DALI models
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5 Ah, 6.4V or NiMH 6V, 4Ah for DALI models
Construction	Polycarbonate (Satellite head and emergency pack), Steel (Surface mount enclosure)
Weight	1 kg
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone - Recessed				GALAXY® - Surface			
685204/LI	LED white	D50	D50	659013LI	LED white	D50	D50
685205/LI	LED black	D50	D50	659014LI	LED black	D50	D50
GALAXY® - Recessed				AXIOM® - Surface			
659007/LI	LED white	D50	D50	659502/LI	LED white	D50	D50
659008/LI	LED black	D50	D50	659503/LI	LED black	D50	D50
AXIOM® - Recessed				DALI - Surface			
685206/LI	LED white	D50	D50	684853/D	LED white - NiMH	D50	D50
685207/LI	LED black	D50	D50	684854/D	LED black - NiMH	D50	D50
DALI - Recessed				Accessories			
684850/D	LED white - NiMH	D50	D50	659202	Spare LIION battery		
684852/D	LED black - NiMH	D50	D50				
Standalone - Surface							
659500/LI	LED white	D50	D50				
659501/LI	LED black	D50	D50				

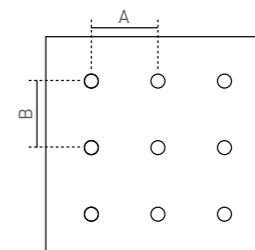
DIMENSIONS IN MILLIMETRES (MM)



Type	Diameter [X*]
Satellite (No trim)	60 mm
Small Ring	80 mm
Medium Ring	120 mm
Large Ring	150 mm

SPACING TABLE

0.2 LUX	Maximum spacing between luminaires					
	Mounting height (m)					
	2.1	2.4	2.7	3.0	3.3	3.6
A & B	11.5	13.2	14.8	16.5	18.1	19.8
1 LUX	Maximum spacing between luminaires					
	Mounting height (m)					
	2.1	2.4	2.7	3.0	3.3	3.6
A & B	10.2	10.5	10.8	11.0	11.2	11.4



2018 IES LUMINAIRE AWARD OF COMMENDATION



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D63 LED SATELLITE



BLACK RECESSED



WHITE SURFACE



BLACK SURFACE

WHITE RECESSED

COMPLEMENTING LEADING EDGE TECHNOLOGY, THE D63 LED SATELLITE STANDS OUT IN COMMERCIAL SPACES

FEATURES

- Modern and discrete design
- Supplied with flex & plug (recessed models) or large terminal block (surface models)
- Three fascia accessories (small, medium or large ring) included in recessed models
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two installation options: recessed and surface mount
- Finishes: white or black

SPECIFICATIONS

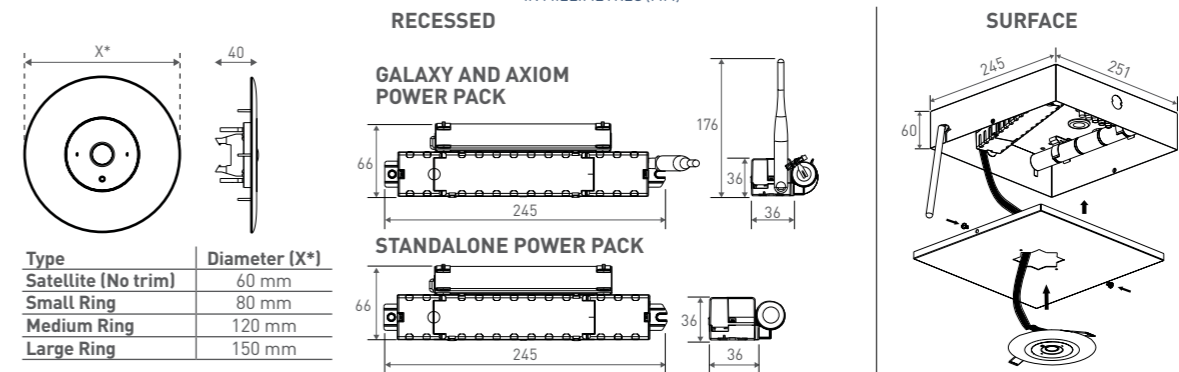
Operation Mode	Non-maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 3.3 Ah, 6.4V
Construction	Polycarbonate (Satellite head and emergency pack), Steel (Surface mount enclosure)
Weight	1 kg
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone - Recessed				GALAXY® - Surface			
685208/LI	LED white	D63	D63	659015/LI	LED white	D63	D63
685209/LI	LED black	D63	D63	659016/LI	LED black	D63	D63
GALAXY® - Recessed				AXIOM® - Surface			
659009/LI	LED white	D63	D63	659506/LI	LED white	D63	D63
659010/LI	LED black	D63	D63	659507/LI	LED black	D63	D63
AXIOM® - Recessed				Accessories			
685210/LI	LED white	D63	D63	659203	Spare LIION battery		
685211/LI	LED black	D63	D63				
Standalone - Surface							
659504/LI	LED white	D63	D63				
659505/LI	LED black	D63	D63				

DIMENSIONS

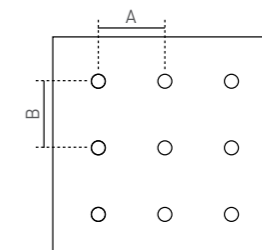
IN MILLIMETRES (MM)



SPACING TABLE

		Maximum spacing between luminaires.					
		Mounting height (m)					
0.2 LUX		2.1	2.4	2.7	3.0	3.3	3.6
	A & B	11.5	13.2	14.8	16.5	18.1	19.8
1 LUX		2.1	2.4	2.7	3.0	3.3	3.6
	A & B	11.1	11.5	11.8	12.1	12.3	12.5

As per AS/NZS 2293:2018



2018 IES
LUMINAIRE
AWARD OF
COMMENDATION



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FOR MORE INFORMATION

CORRIDOR LED SATELLITE



BLACK
RECESSED



WHITE
SURFACE



BLACK
SURFACE

WHITE
RECESSED

THE UNIQUE OPTIC LED SATELLITE DESIGNED FOR CORRIDORS AND HALLWAYS

FEATURES

- Modern and discrete design
- Unique LED lens for optimum corridor spacings
- Supplied with flex & plug (recessed models) or large terminal block (surface models)
- Three fascia accessories (small, medium or large ring) included in recessed models
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two installation options: recessed and surface mount
- Finishes: white or black

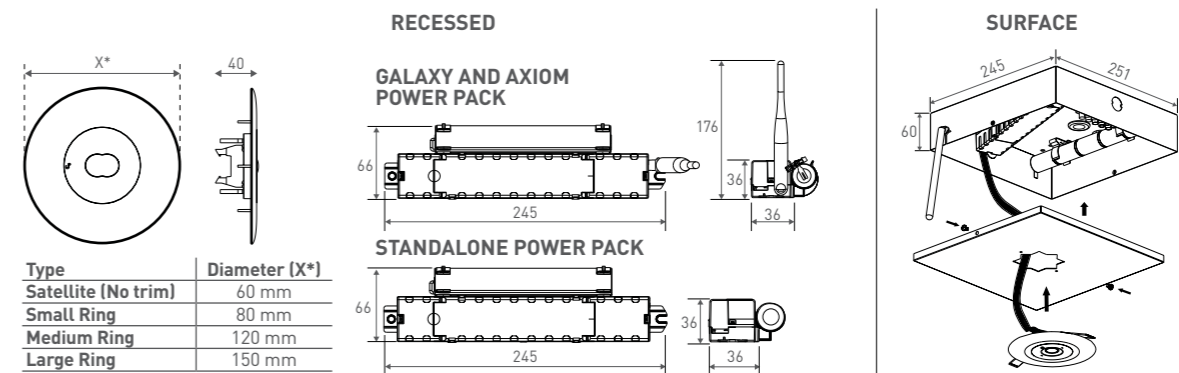
SPECIFICATIONS

Operation Mode	Non-maintained
Power Consumption	2 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5Ah, 6.4V
Construction	Polycarbonate (Satellite head and emergency pack), Steel (Surface mount enclosure)
Weight	1 kg
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone - Recessed				GALAXY® - Surface			
685212/LI	LED white	D80	E16	659017LI	LED white	D80	E16
685213/LI	LED black	D80	E16	659018LI	LED black	D80	E16
GALAXY® - Recessed				AXIOM® - Surface			
659011LI	LED white	D80	E16	659510/LI	LED white	D80	E16
659012LI	LED black	D80	E16	659511/LI	LED black	D80	E16
AXIOM® - Recessed				Accessories			
685214/LI	LED white	D80	E16	659202	Spare LIION battery		
685215/LI	LED black	D80	E16				
Standalone - Surface							
659508/LI	LED white	D80	E16				
659509/LI	LED black	D80	E16				

DIMENSIONS IN MILLIMETRES (MM)

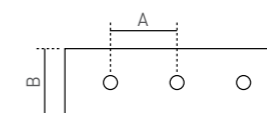


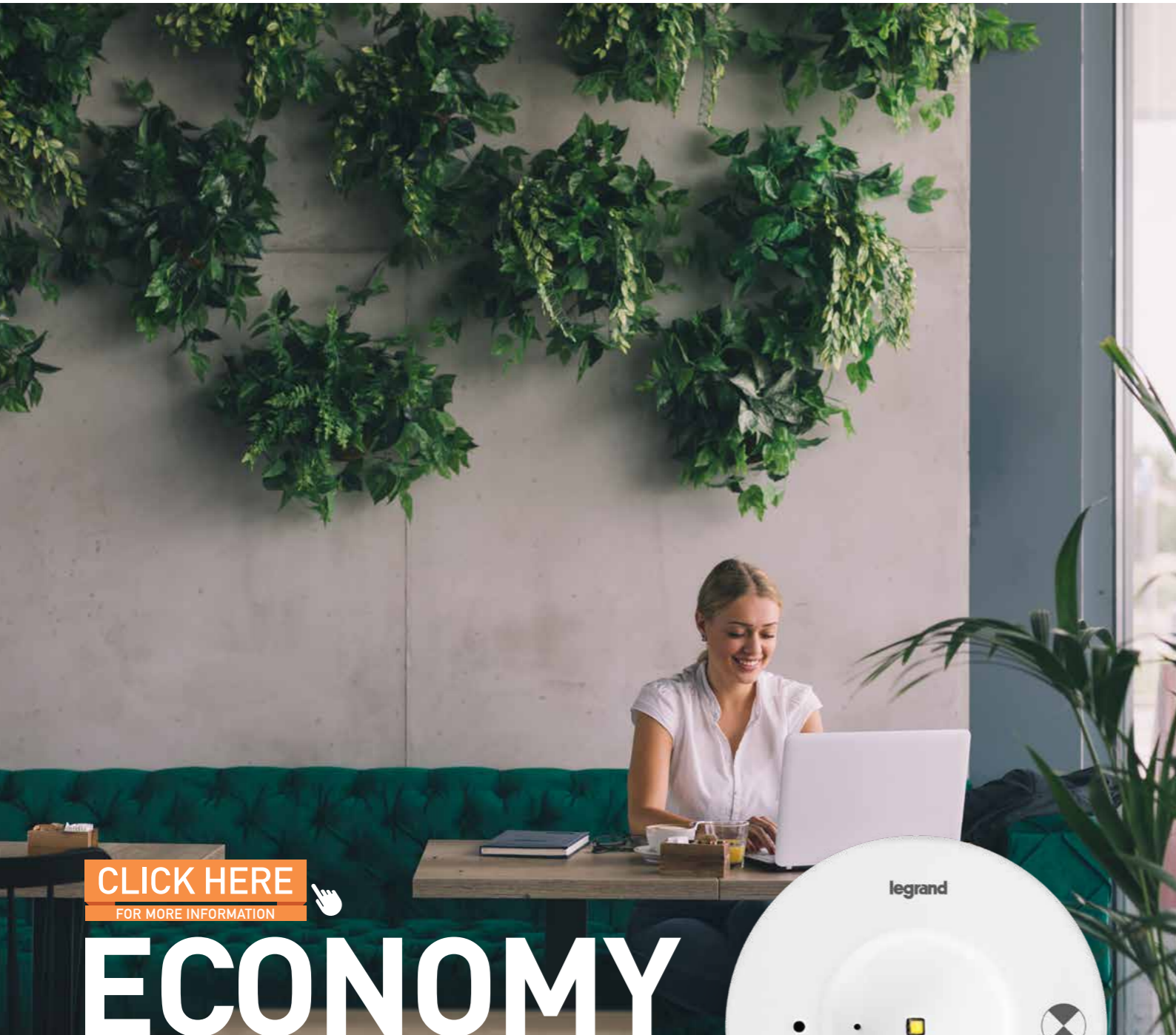
Type	Diameter [X*]
Satellite (No trim)	60 mm
Small Ring	80 mm
Medium Ring	120 mm
Large Ring	150 mm

SPACING TABLE

0.2 LUX	Maximum spacing between luminaires. Mounting height (m)						
	2.1	2.4	2.7	3.0	3.3	3.6	
A	11.5	13.2	14.8	16.5	18.1	19.8	
B	8.3	9.1	9.8	10.4	11.0	11.5	

1 LUX	Maximum spacing between luminaires. Mounting height (m)						
	2.1	2.4	2.7	3.0	3.3	3.6	
A	11.5	12.5	12.9	13.3	13.6	13.8	
B	5.8	6.1	6.4	6.5	6.6	6.6	





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ECONOMY LED SATELLITE



SURFACE



RECESSED

THE AFFORDABLE D40 LED SATELLITE IS THE SOLUTION FOR COST EFFECTIVE INSTALLATIONS

FEATURES

- Supplied with flex & plug (recessed models) or large terminal block (surface models)
- Large fascia accessory included for recessed model
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs



SPECIFICATIONS

Operating Mode	Non-Maintained
Power Consumption	1 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5 Ah, 6.4V
Construction	Polycarbonate (Satellite head and emergency pack), Steel (Surface mount enclosure)
Weight	1 kg
Compliance	AS/NZS 2293, AS/NZS 60598

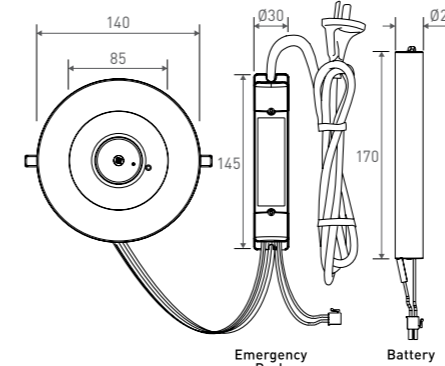
ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
	Standalone - Recessed				Accessories		
685102LI	LED white	D40	D40	659209	Spare LIION battery		
	Standalone - Surface						
659630LI	LED white	D40	D40				

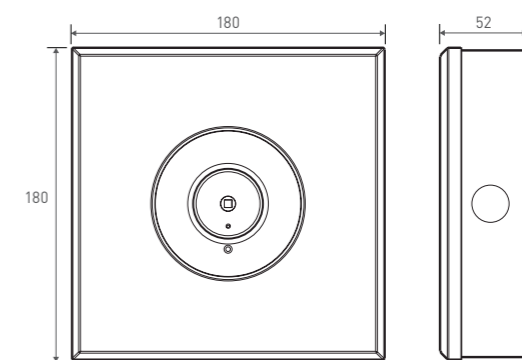
DIMENSIONS

IN MILLIMETRES (MM)

RECESSED



SURFACE

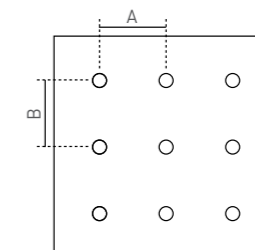


SPACING TABLE

0.2 LUX	Maximum spacing between luminaires.				
	Mounting height (m)				
	2.1	2.7	3.0	3.3	3.6
A & B	11.5	14.8	16.5	18.1	19.5

1 LUX	Maximum spacing between luminaires.				
	Mounting height (m)				
	2.1	2.7	3.0	3.3	3.6
A & B	9.4	9.9	10.1	10.2	10.3

As per AS/NZS 2293:2018



2017 IES
LUMINAIRE
AWARD OF
COMMENDATION



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SUPER LED SATELLITE



A D100 WEATHERPROOF LED SATELLITE FOR HIGH CEILING APPLICATIONS

FEATURES

- Unique Lens that provides a wide optical distribution
- iSmart™ temperature sensing technology for the Li-ion battery
- Twist lock fasteners and hinged cover for ease of installation and maintenance
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Finishes: grey or black



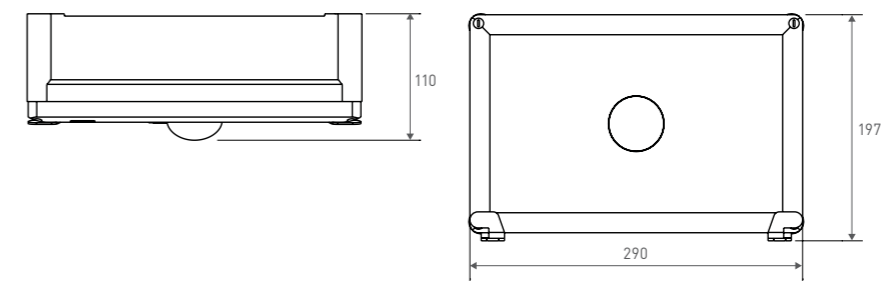
SPECIFICATIONS

Operating Mode	Non-maintained
Power Consumption	5.2 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5 Ah, 12.8V
Construction	Polycarbonate
Compliance	AS/NZS2293, AS/NZS60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description
Standalone				Accessories	
685030/LI	LED IP65 grey	D100	D100	686266	Rod suspension kit 1200mm grey
685031/LI	LED IP65 black	D100	D100	686267	Rod suspension kit 3000mm grey
GALAXY®				686268	Rod suspension kit 1200mm black
659021LI	LED IP65 grey	D100	D100	686269	Rod suspension kit 3000mm black
659022LI	LED IP65 black	D100	D100	685034	Suspension wire kit grey
AXIOM®				685035	Suspension wire kit black
685032/LI	LED IP65 grey	D100	D100	685036	Wall bracket grey
685033/LI	LED IP65 black	D100	D100	685037	Wall bracket black
				659204	Spare LIION battery

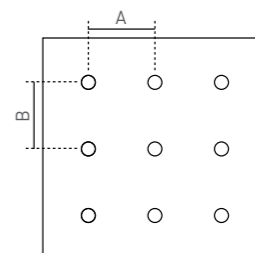
DIMENSIONS IN MILLIMETRES (MM)



SPACING TABLE

0.2 LUX	Maximum spacing between luminaires.				
	Mounting height (m)				
	2.7	3	9	10	15
A & B	14.8	16.5	34.5	35.2	36.5

1 LUX	Maximum spacing between luminaires.				
	Mounting height (m)				
	2.7	3	9	10	15
A & B	14.0	14.4	15.4	14.4	-



As per AS/NZS 2293:2018



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WEATHERPROOF LED SATELLITE



A SIMPLE WEATHERPROOF LED SATELLITE FOR GENERAL EXTERIOR APPLICATIONS

FEATURES

- Easy to install
- Large terminal block
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs

SPECIFICATIONS

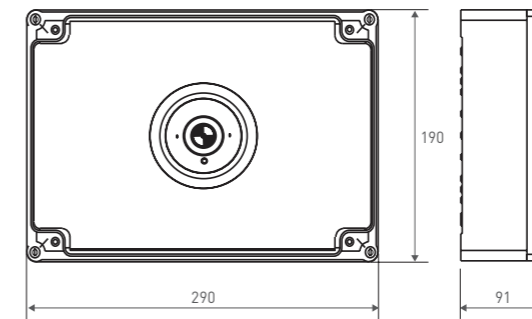
Operating Mode	Non-maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c 50 Hz
Battery	Li-ion 3.3 Ah, 6.4V or NiMH 6.4V, 4Ah for DALI models
Body Construction	Polypropylene
Diffuser Construction	Clear polycarbonate
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
	Standalone				DALI		
659551LI	LED IP55	D50	D50	659551D	LED IP55 - NiMH	D32	D32
	GALAXY®				Accessories		
659019LI	LED IP55	D50	D50	659203	Spare LIION battery		
	AXIOM®						
659552LI	LED IP55	D50	D50				

DIMENSIONS

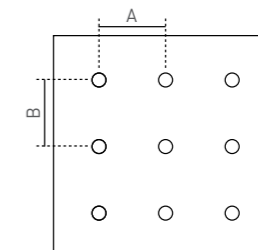
IN MILLIMETRES (MM)



SPACING TABLE

		Maximum spacing between luminaires.					
		Mounting height (m)					
0.2 LUX		2.1	2.4	2.7	3	3.3	3.6
	D32	A & B	11.5	13.2	14.8	16.5	17.6
D50	A & B	11.5	13.2	14.8	16.5	18.1	19.8

		Maximum spacing between luminaires.					
		Mounting height (m)					
1 LUX		2.1	2.4	2.7	3	3.3	3.6
	D32	A & B	8.6	8.8	9	9.1	9.2
D50	A & B	10.2	10.5	10.8	11.0	11.2	11.4



As per AS/NZS 2293:2018



For LIION models





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FREEZER SUPER LED SATELLITE



FOR COOL ROOM AND FREEZER APPLICATIONS
WITH HIGHER CEILINGS, THE D100 WEATHERPROOF
SATELLITE HAS WIDE COVERAGE

FEATURES

- Unique Lens that provides a wide optical distribution
- Supplied with 3m long remote gear
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs

SPECIFICATIONS

Operating Mode	Non-maintained
Power Consumption	5.2 W
Nominal Input Voltage	230 - 240 V a.c. 50 Hz
Battery	Li-ion 1.5 Ah, 12.8V
Construction	Polycarbonate
Compliance	AS/NZS2293, AS/NZS60598

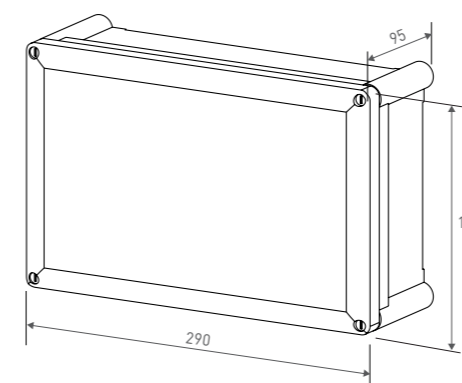
ORDER GUIDE

Cat. No.	Description	C0	C90	Cat. No.	Description
	Standalone				Accessories
659517LI	LED IP65 grey -40°C remote gear	D100	D100	659455	10m extension cable
	GALAXY®			659204	Spare LIION battery
659087LI	LED IP65 grey -40°C remote gear	D100	D100		

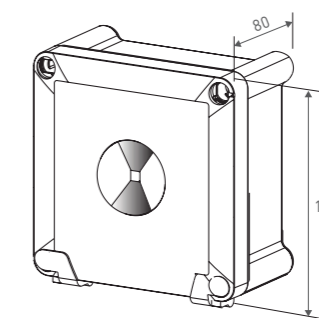
DIMENSIONS

IN MILLIMETRES (MM)

REMOTE GEAR



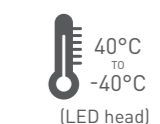
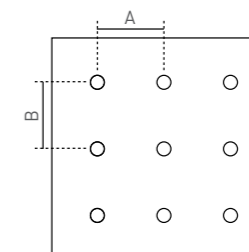
LED HEAD



SPACING TABLE

		Maximum spacing between luminaires.				
		Mounting height (m)				
0.2 LUX		2.7	3	9	10	15
	A & B	14.8	16.5	34.5	35.2	36.5
		Maximum spacing between luminaires.				
		Mounting height (m)				
1 LUX		2.7	3	9	10	15
	A & B	14.0	14.4	15.4	14.4	-

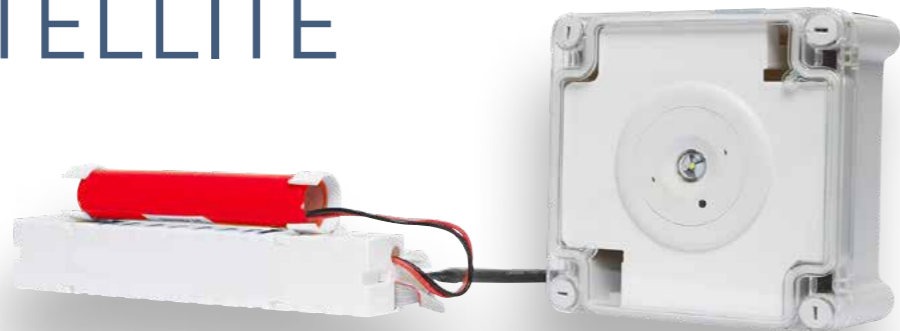
As per AS/NZS 2293:2018





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FREEZER LED SATELLITE



THE WEATHERPROOF LED SATELLITE IS SUITABLE FOR GENERAL COOL ROOM OR FREEZER APPLICATIONS

FEATURES

- Supplied with 3m long remote gear
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs

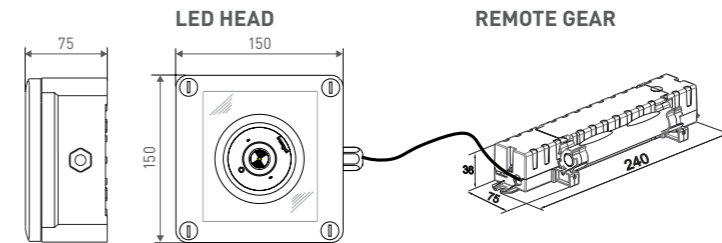
SPECIFICATIONS

Operating Mode	Non-maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50Hz
Battery	Li-ion 3.3Ah, 6.4V or NiMH 6.4V 4Ah for DALI model
Body Construction	Polypropylene
Diffuser Construction	Clear polycarbonate
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

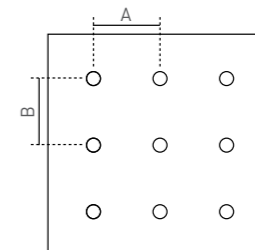
Cat. No.	Description	C0	C90	Cat. No.	Description	C0	C90
Standalone				DALI			
659553LI	LED IP55 for -40°C remote gear	D40	D40	659553D	LED IP55 for -40°C remote gear - NiMH	D32	D32
GALAXY®				Accessories			
659020LI	LED IP55 for -40°C remote gear	D40	D40	659203	Spare LIION battery		
AXIOM®							
659554LI	LED IP55 for -40°C remote gear	D40	D40				

DIMENSIONS IN MILLIMETRES (MM)

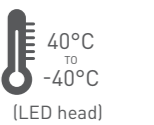
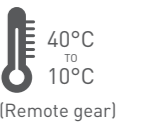


SPACING TABLE

		Maximum spacing between luminaires.						
		Mounting height (m)						
0.2 LUX	D32	A & B	2.1	2.4	2.7	3	3.3	3.6
	D40	A & B	11.5	13.2	14.8	16.5	17.6	18
1 LUX	D32	A & B	2.1	2.4	2.7	3	3.3	3.6
	D40	A & B	8.6	8.8	9	9.1	9.2	9.2
			10.2	9.7	9.9	10.1	10.2	10.3



As per AS/NZS 2293:2018



GALAXY



For LIION models





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FOR MORE INFORMATION

TWIN LED SPOTLIGHT



THE HIGH OUTPUT WEATHERPROOF TWIN SPOTLIGHT FOR LARGER OPEN AREAS

FEATURES

- 2 x 580 lm floodlights
- Adjustable spotlight heads
- Large terminal block
- Quick lock and hinged cover
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs

SPECIFICATIONS

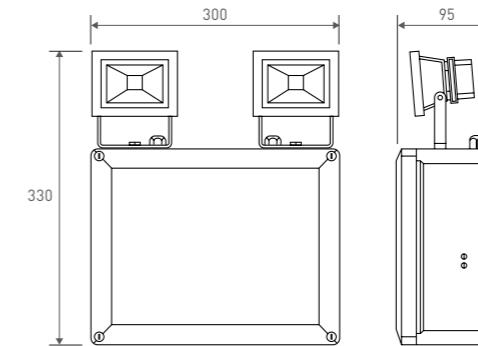
Operation Mode	Non-maintained
Power Consumption	5 W
Nominal Input Voltage	230 - 240 V a.c. 50Hz
Battery	Li-ion 3.3Ah, 12.8V or NiMH 4.8V 4Ah for DALI model
Construction	Polycarbonate
Lumens Output	2 x 580 lm
Compliance	AS/NZS2293, AS/NZS60598

ORDER GUIDE

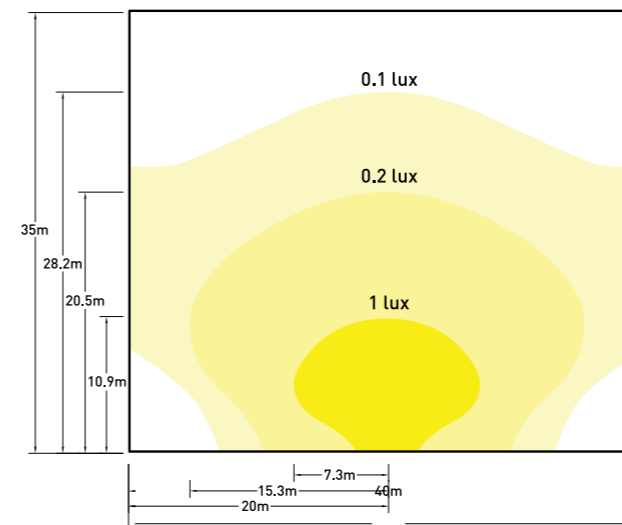
Cat. No.	Description	Cat. No.	Description
	Standalone		DALI
659515LI	LED 2 x 580 lm IP65	659515D	LED 2 x 580 lm IP65 - NiMH
	Galaxy®		Accessories
659065LI	LED 2 x 580 lm IP65	682369	Wire guard
	AXIOM®	659205	Spare LIION battery
659516LI	LED 2 x 580 lm IP65		

DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE



- Luminaire is mounted at 5m above floor on one wall
- Spotlights have a 90 degree tilt angle (straight out from fitting)
- A maintenance factor of 1.0 is applied to all luminaires
- Illuminance measurements are not ground level

Note: This design is to be used as a guide only and should not be used for compliance. A dedicated lighting design will need to be done for every application.



For LIION models



DESIGNED & MANUFACTURED IN AUSTRALIA



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FOR MORE INFORMATION

ECONOMY LED TWINSPOT



THE AFFORDABLE ECONOMY TWIN LED SPOTLIGHT IS DESIGNED FOR OPEN AREAS

FEATURES

- 2 x 180 lm floodlights
- Adjustable spotlight heads
- Large terminal block
- Removable cover
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs

SPECIFICATIONS

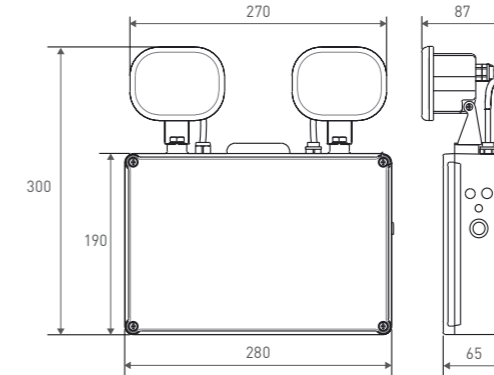
Operating Mode	Non-maintained
Power Consumption	3 W
Nominal Input Voltage	230 - 240 V a.c. 50Hz
Battery	Li-ion 6.6 Ah, 3.2V
Lumen Output	2 x 180 lm
Construction	Polycarbonate
Weight	1.3 kg
Compliance	AS/NZS 2293, AS/NZS 60598

ORDER GUIDE

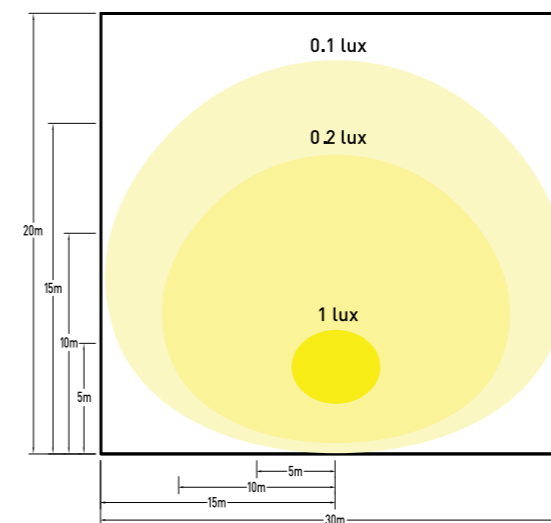
Cat. No.	Description	Cat. No.	Description
	Standalone		Accessories
659623LI	LED 2 x 180 lm IP65	682369	Wire guard
		659211	Spare LIION battery

DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE

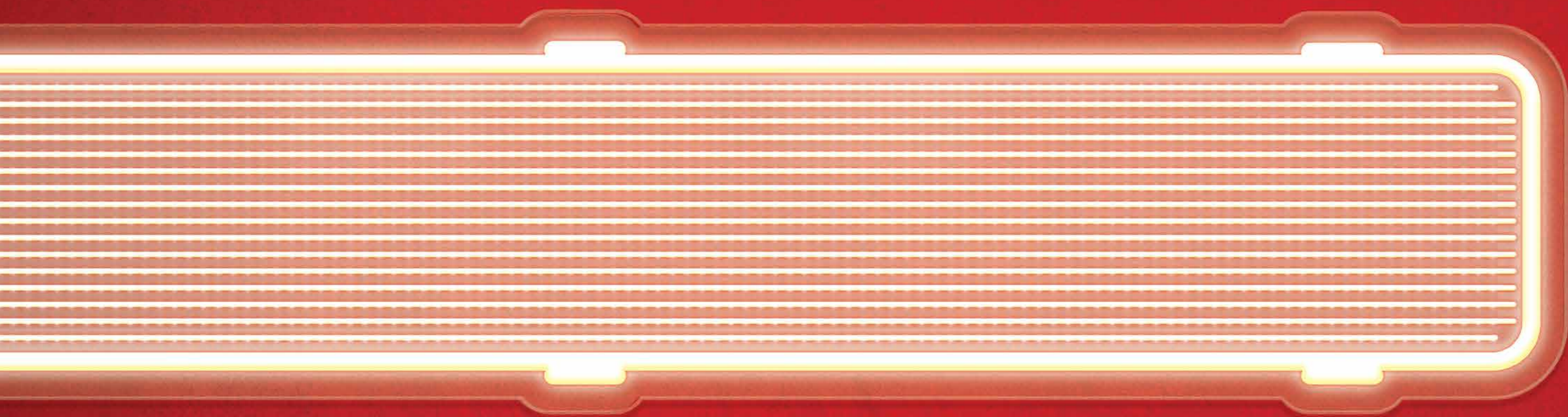


- Luminaire is mounted at 5m above floor on one wall
- Spotlights have a 90 degree tilt angle (straight out from fitting)
- A maintenance factor of 1.0 is applied to all luminaires
- Illuminance measurements are not ground level

Note: This design is to be used as a guide only and should not be used for compliance. A dedicated lighting design will need to be done for every application.



LUMINAIRES



THE NON OBTRUSIVE TRICOLOUR LED BATTEN IS SLEEK TO THE EYE AND SUITABLE FOR GENERAL LIGHTING APPLICATIONS

FEATURES

- Tricolour LEDs (3000K / 4000K / 6000K) selection
- Options with integrated On/Off Microwave sensor
- Integrated Satellite for emergency models
- Large terminal block
- Easy to install and maintain
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in three lengths: 2 foot, 4 foot and 5 foot

SPECIFICATIONS

Description	L6 LED Batten	L12 LED Batten	L15 LED Batten
Operation Mode	Mains or Switched Maintained		
Power Consumption (W)	20 W (Mains models) 21 W (Standalone models) 22 W (Galaxy models)	36 W (Mains models) 37 W (Standalone models) 38 W (Galaxy models)	50 W (Mains models) 51 W (Standalone models) 52 W (Galaxy models)
Nominal Input Voltage	230-240 V a.c. 50Hz		
Battery	Li-ion 6.4V, 1.5Ah (Standalone models) Li-ion 6.4V, 3.3Ah (Galaxy models)		
Light Source	Selectable LED (3000K / 4000K / 6000K)		
Driver Type	Non dimmable or DALI dimmable		
CRI	>80		
Luminaire Output (lm) (Mains mode)	2,100 lm (4000K)	4,300 lm (4000K)	5,500 lm (4000K)
Body Construction	Zinc steel (powder coated)		
Diffuser Construction	Opal polycarbonate		
Weight	1.6 kg (Mains) 2.0 kg (Emergency)	2.9 kg (Mains) 3.3 kg (Emergency)	3.6 kg (Mains) 4.0 kg (Emergency)
Compliance	AS/NZS 60598, AS/NZS2293		

ORDER GUIDE

	Cat. No.	Description		Cat. No.	Description	C0	C90
Mains	659320MA	Tri-colour L6 IP20	Standalone	659320SA	Tri-colour L6 IP20	D50	D50
	659322MA	Tri-colour L12 IP20		659322SA	Tri-colour L12 IP20	D50	D50
	659324MA	Tri-colour L15 IP20		659324SA	Tri-colour L15 IP20	D50	D50
Mains - DALI	659320DM	Tri-colour L6 IP20	Standalone with ON/OFF Sensor	659321SA	Tri-colour L6 IP20	D50	D50
	659322DM	Tri-colour L12 IP20		659323SA	Tri-colour L12 IP20	D50	D50
	659324DM	Tri-colour L15 IP20		659325SA	Tri-colour L15 IP20	D50	D50
Mains with ON/OFF Sensor	659321MA	Tri-colour L6 IP20	Galaxy	659320GA	Tri-colour L6 IP20	D63	D63
	659323MA	Tri-colour L12 IP20		659322GA	Tri-colour L12 IP20	D63	D63
	659325MA	Tri-colour L15 IP20		659324GA	Tri-colour L15 IP20	D63	D63
Accessories	659402	L6 Wire Guard - White	Galaxy with ON/OFF Sensor	659321GA	Tri-colour L6 IP20	D63	D63
	659403	L12 Wire Guard - White		659323GA	Tri-colour L12 IP20	D63	D63
	659404	L15 Wire Guard - White		659325GA	Tri-colour L15 IP20	D63	D63
	659209	Spare LIION battery for Standalone					
	659203	Spare LIION battery for Galaxy					

L6 = 2 foot, L12 = 4 foot, L15 = 5 foot.

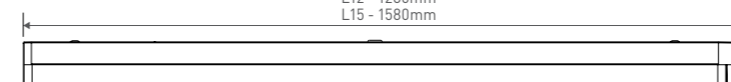
DIMENSIONS

IN MILLIMETRES (MM)

L6 - 630mm
L12 - 1230mm
L15 - 1530mm



L6 - 680mm
L12 - 1280mm
L15 - 1580mm



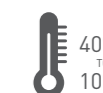
SPACING TABLE

0.2 LUX	Maximum spacing between luminaires.						
	Model	Mounting height (m)					
		2.1	2.4	2.7	3	3.3	3.6
	Standalone A & B	11.5	13.2	14.8	16.5	18.1	19.8
	Galaxy A & B	11.5	13.2	14.8	16.5	18.1	19.8

1 LUX	Maximum spacing between luminaires.						
	Model	Mounting height (m)					
		2.1	2.4	2.7	3	3.3	3.6
	Standalone A & B	10.2	10.5	10.8	11	11.2	11.4
	Galaxy A & B	11.1	11.5	11.8	12.1	12.3	12.5

As per AS/NZS 2293:2018

Note: Spacing table based on ceiling mounting



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ECONOMY LED BATTEN



CURVES IN ALL THE RIGHT PLACES, THE TRICOLOUR LED OYSTER IS DESIGNED FOR A WIDE RANGE OF INDOOR APPLICATIONS

FEATURES

- Twist lock cover for ease of installation
- Hinged gear tray for ease of maintenance
- Options with integrated On/Off Microwave sensor
- Tricolour LEDs (3000K / 4000K / 5000K) selection
- Large terminal block
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs

SPECIFICATIONS

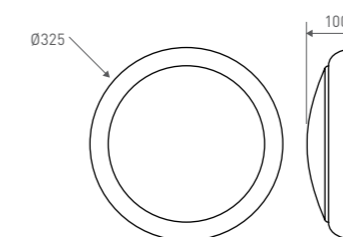
Operation Mode	Mains or Switched Maintained
Power Consumption	15 W (Mains models) 18 W (Emergency models)
Nominal Input Voltage	230-240 V a.c. 50Hz
Battery	Li-ion 6.4V 3.3Ah
Light Source	Selectable LED (3000K / 4000K / 5000K)
Driver Type	Non dimmable or DALI dimmable
CRI	>80
Luminaire Output (Mains mode)	1,400 lm (4000K)
Body Construction	Polycarbonate
Diffuser Construction	Opal polycarbonate
Weight	1.2 kg (Mains) 1.6 kg (Emergency)
Compliance	AS/NZS 60598, AS/NZS2293

ORDER GUIDE

Cat. No.	Description	Cat. No.	Description	C0	C90
	Mains		Standalone		
659310MA	Tri-colour IP44	659310SA	Tri-colour IP44	D63	D63
	Mains - DALI		Standalone with ON/OFF Sensor		
659310DA	Tri-colour IP44	659311SA	Tri-colour IP44	D63	D63
	Mains - with ON/OFF Sensor		GALAXY		
659311MA	Tri-colour IP44	659310GA	Tri-colour IP44	D63	D63
	Accessories		GALAXY with ON/OFF Sensor		
659212	Spare LIION battery	659311GA	Tri-colour IP44	D63	D63

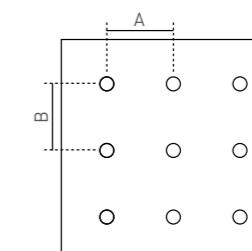
Note: Wall mount emergency classification: C0/C90 - D12.5

DIMENSIONS
IN MILLIMETRES (MM)



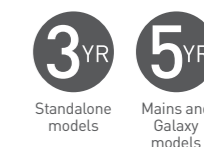
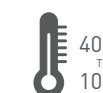
SPACING TABLE

0.2 LUX	Maximum spacing between luminaires.						
	Mounting height (m)						
	2.1	2.4	2.7	3.0	3.3	3.6	
	A & B	11.5	13.2	14.8	16.5	18.1	19.8
1 LUX	Maximum spacing between luminaires.						
	Mounting height (m)						
	2.1	2.4	2.7	3.0	3.3	3.6	
	A & B	11.1	11.5	11.8	12.1	12.3	12.5



As per AS/NZS 2293:2018

Note: Spacing table based on ceiling mounting



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ECONOMY LED OYSTER





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WP2

WEATHERPROOF LED BATTEN



A WEATHERPROOF LED BATTEN WITH GRP BODY AND PC DIFFUSER DESIGNED FOR WALL OR CEILING INSTALLATIONS

FEATURES

- Options with integrated On/Off or DIM function Microwave sensor
- Quarter turn gear tray fasteners for ease of maintenance
- Large terminal block
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in two lengths: 2 foot and 4 foot

SPECIFICATIONS

Description	L6 LED BATTEN	L12 LED BATTEN
Operation Mode	Mains or Switched Maintained	
Power Consumption	28 W (Mains models) 31 W (Emergency models)	43 W (Mains models) 49 W (Emergency models)
Nominal Input Voltage	230 - 240V a.c. 50Hz	
Battery	Li-ion 12.8V, 1.5 Ah or NiMH 6.0V, 4Ah for DALI models	Li-ion 12.8V, 3.3 Ah or NiMH 6.0V, 4Ah for DALI models
Light Source	LED (4,000K)	
Luminaire Output	2,200 lm (Mains mode)	3,900 lm (Mains mode)
Driver Type	Non dimmable or DALI dimmable	
CRI	>80	
Retaining clips	316 Stainless steel	
Body construction	Glass reinforced polyester (GRP)	
Diffuser Construction	Clear reeded polycarbonate	
Weight	4.5 kg (Mains) 4.8 kg (Emergency)	2.3 kg (Mains) 2.7 kg (Emergency)
Compliance	AS/NZS 2293, AS/NZS 60598	

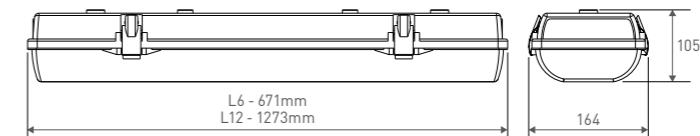
ORDER GUIDE

	Cat. No.	Description	C0	C90		Cat. No.	Description	C0	C90
Mains	685040	4000K GRP L6 IP65			GALAXY®	659066LI	4000K GRP L6 IP65	D80	C80
	685070	4000K GRP L12 IP65				659068LI	4000K GRP L12 IP65	D125	C125
Mains - DALI	685042	4000K GRP L6 IP65			GALAXY® - with DIM sensor	659067LI	4000K GRP L6 IP65	D80	C80
	685072	4000K GRP L12 IP65				659069LI	4000K GRP L12 IP65	D125	C125
Mains - with DIM sensor	685043	4000K GRP L6 IP65			GALAXY® - with On/OFF sensor	659072LI	4000K GRP L6 IP65	D80	C80
	685073	4000K GRP L12 IP65				659073LI	4000K GRP L12 IP65	D125	C125
Mains - with ON/OFF sensor	685041	4000K GRP L6 IP65			AXIOM®	685060/LI	4000K GRP L6 IP65	D80	C80
	685071	4000K GRP L12 IP65				685090/LI	4000K GRP L12 IP65	D125	C125
Standalone	685050/LI	4000K GRP L6 IP65	D80	C80	AXIOM® - with DIM sensor	685063/LI	4000K GRP L6 IP65	D80	C80
	685080/LI	4000K GRP L12 IP65	D125	C125		685093/LI	4000K GRP L12 IP65	D125	C125
Standalone - with DIM sensor	685053/LI	4000K GRP L6 IP65	D80	C80	AXIOM® - with On/OFF Sensor	685061/LI	4000K GRP L6 IP65	D80	C80
	685083/LI	4000K GRP L12 IP65	D125	C125		685091/LI	4000K GRP L12 IP65	D125	C125
Standalone - with ON/OFF sensor	685051/LI	4000K GRP L6 IP65	D80	C80	DALI	685050/D	4000K GRP L6 IP65 - NiMH	D100	C80
	685081/LI	4000K GRP L12 IP65	D125	C125		685080/D	4000K GRP L12 IP65 - NiMH	D125	C100
Accessories	659204	Spare LIION battery for L6 models			659205	Spare LIION battery for L12 models			

L6 = 2 foot, L12 = 4 foot

DIMENSIONS

IN MILLIMETRES (MM)

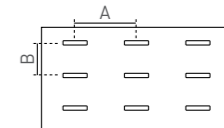


SPACING TABLE

		Maximum spacing between luminaires.			
		Mounting height (m)			
Model		2.4	2.7	3	3.3
L6	A - D80	13.2	14.8	16.5	18.1
	B - C80	13.2	14.8	15.1	15.8
L12	A - D125	13.2	14.8	16.5	18.1
	B - C125	13.2	14.8	16.5	17.7

1 LUX

		Maximum spacing between luminaires.			
		Mounting height (m)			
Model		2.4	2.7	3	3.3
L6	A - D80	12.5	12.9	13.3	13.6
	B - C80	8.8	9.3	9.7	10.0
L12	A - D125	13.2	14.8	15.7	16.1
	B - C125	10.0	10.5	11.0	11.5



As per AS/NZS 2293:2018



MAINS and LIION Models



DESIGNED IN AUSTRALIA



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ECONOMY WEATHERPROOF LED BATTEN



A WEATHERPROOF LED BATTEN WITH PC BODY AND PC DIFFUSER DESIGNED FOR WALL OR CEILING INSTALLATIONS

FEATURES

- Options with integrated On/Off Microwave sensor
- Quarter turn gear tray fasteners for ease of maintenance
- Anti-vandal screws for diffuser clips included
- Large terminal block
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in three lengths: 2 foot, 4 foot and 5 foot

SPECIFICATIONS

Description	L6 LED Batten	L12 LED Batten	L15 LED Batten
Operation Mode	Mains or Switched Maintained		
Power Consumption	23 W (Mains models) 26 W (Emergency models)	49 W (Mains models) 56 W (Emergency models)	56 W (Mains models) 66 W (Emergency models)
Nominal Input Voltage	230-240 V a.c. 50Hz		
Battery	Li-ion 12.8V, 1.5Ah	Li-ion 12.8V, 3.3Ah	
Driver Type	Non dimmable or DALI dimmable		
CRI	>80		
Light Source	LED (4000K)		
Luminaire Output	2,100 lm (Mains mode)	4,600 lm (Mains mode)	5,700lm (Mains mode)
Retaining Clips	304 Stainless steel		
Body Construction	Polycarbonate (PC)		
Diffuser Construction	Opal polycarbonate		
Weight	1.4 kg (Mains) 1.8 kg (Emergency)	2.4 kg (Mains) 2.9 kg (Emergency)	2.9 kg (Mains) 3.4 kg (Emergency)
Compliance	AS/NZS 60598, AS/NZS2293		

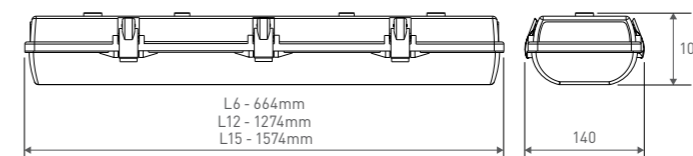
ORDER GUIDE

	Cat. No.	Description		Cat. No.	Description	C0	C90
Mains	659608	4000K PC L6 IP65	Standalone	659526LI	4000K PC L6 IP65	D63	C125
	659610	4000K PC L12 IP65		659528LI	4000K PC L12 IP65	D160	D100
	659612	4000K PC L15 IP65		659530LI	4000K PC L15 IP65	D250	D125
Mains - DALI	659608D	4000K PC L6 IP65	Standalone - with ON/OFF sensor	659527LI	4000K PC L6 IP65	D63	C125
	659610D	4000K PC L12 IP65		659529LI	4000K PC L12 IP65	D160	D100
	659612D	4000K PC L15 IP65		659531LI	4000K PC L15 IP65	D250	D125
Mains - with ON/OFF sensor	659609	4000K PC L6 IP65	GALAXY®	659102LI	4000K PC L6 IP65	D63	C125
	659611	4000K PC L12 IP65		659104LI	4000K PC L12 IP65	D160	D100
	659613	4000K PC L15 IP65		659106LI	4000K PC L15 IP65	D250	D125
Accessories	659210	Spare LIION battery for L6 models	GALAXY® - with ON/OFF sensor	659103LI	4000K PC L6 IP65	D63	C125
	659205	Spare LIION battery for L12 & L15 models		659105LI	4000K PC L12 IP65	D160	D100
				659107LI	4000K PC L15 IP65	D250	D125

L6 = 2 foot, L12 = 4 foot, L15 = 5 foot

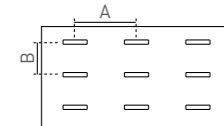
DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE

0.2 LUX	Maximum spacing between luminaires				1 LUX	Maximum spacing between luminaires					
	Model	Mounting height (m)				Model	Mounting height (m)				
L6	A - D63	13.2	14.8	16.5	18.1	L6	A - D63	11.5	11.8	12.1	12.3
	B - C125	13.2	14.8	16.5	17.7		B - C125	10	10.5	11	11.5
L12	A - D160	13.2	14.8	16.5	18.1	L12	A - D160	13.2	14.8	16.5	17.6
	B - D100	13.2	14.8	16.5	18.1		B - D100	13.2	14	14.4	14.8
L15	A - D250	13.2	14.8	16.5	18.1	L15	A - D250	13.2	14.8	16.5	18.1
	B - C125	13.2	14.8	16.5	18.1		B - C125	13.2	14.8	15.7	16.1



As per AS/NZS 2293:2018





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BULKHEAD

265 & 360 LED



EYELID



GUARD



PLAIN

A RANGE OF ROBUST BULKHEADS FOR A WIDE RANGE OF INDOOR AND OUTDOOR APPLICATIONS

FEATURES

- Large terminal block
- iSmart™ temperature sensing technology for the Li-ion battery
- Electronics designed to lengthen the life of the battery, minimising maintenance costs
- Available in three designs: plain, guard and eyelid

SPECIFICATIONS

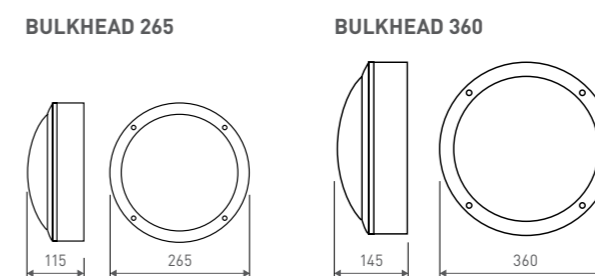
Design	Plain	Guard	Eyelid
Operating Mode	Mains or Switched Maintained		
Power Consumption	18 W (Mains models) 22 W (Emergency models)		
Nominal Input Voltage	230-240 V a.c. 50Hz		
Battery	Li-ion 12.8 V, 1.5 Ah or NiMH 6.0V, 4Ah for DALI models		
Luminaire Output	1,800 lm (Mains)	1,600 lm (Mains)	900 lm (Mains)
Light Source	LED (4000K)		
CRI	>80		
Driver type	Non dimmable		
Body Construction	Die-cast aluminium		
Diffuser Construction	Opal polycarbonate		
Compliance	AS/NZS 2293, AS/NZS 60598		

ORDER GUIDE

	Cat. No.	Description		Cat. No.	Description	C0	C90
Bulkhead 265 LED	664172	Plain LED IP65	Mains	664164/LI	Plain LED IP65	D80	D80
	664173	Guard LED IP65		664165/LI	Guard LED IP65	D80	D80
	664174	Eyelid LED IP65		GALAXY®			
Bulkhead 360 LED	664160	Plain LED IP65	Mains	659070/LI	Plain LED IP65	D80	D80
	664161	Guard LED IP65		659071/LI	Guard LED IP65	D80	D80
	664162	Eyelid LED IP65		AXIOM®			
Accessories	659204	Spare LIION battery	DALI	664168/LI	Plain LED IP65	D80	D80
				664169/LI	Guard LED IP65	D80	D80
				664164/D	Plain LED IP65 - NiMH	D50	D50
				664165/D	Guard LED IP65 - NiMH	D50	D50

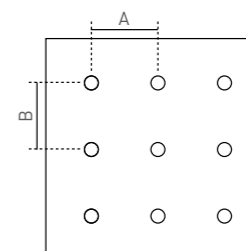
DIMENSIONS

IN MILLIMETRES (MM)



SPACING TABLE

		Maximum spacing between luminaires.						
		Mounting height (m)						
0.2 LUX	D50	A & B	2.1	2.4	2.7	3.0	3.3	3.6
	D80	A & B	11.5	13.2	14.8	16.5	18.1	19.8
1 LUX	D50	A & B	2.1	2.4	2.7	3.0	3.3	3.6
	D80	A & B	11.5	11.5	11.8	12.1	12.4	12.5



Mains and LIION models



DESIGNED IN AUSTRALIA

As per AS/NZS 2293:2018
Note: Spacing table based on ceiling mounting

LEGRAND SOLUTIONS

LEGRAND OFFERS A WIDE RANGE OF SOLUTIONS IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURE PROJECTS.



EMERGENCY LIGHTING

Detailed in this comprehensive catalogue; a broad range of product for all areas of an installation.



LIGHTING MANAGEMENT

A wide range of sensors ranging from PIR, dual tech and microwave, for office, carpark and amenity areas.



STRUCTURE CABLING SYSTEM

A wide range of data cabinets, PDUs, copper CAT6 and CAT6A, fibre OM3/OM4 solutions. Providing optimal performance and scalability.



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Choose from a range of slim and stylish designs from the world's largest manufacturer, ideal to control and manage your general lighting.



POWER AND DISTRIBUTION

With a full range of circuit protection, trunking systems and distribution boards. Legrand has you covered for lighting and other circuits as well as distribution of power.



LIGHTING

Products ranging from downlights, battens to exterior floodlights, general lighting is available to complement Legrand's emergency lighting portfolio.

Legrand Terms and Conditions of Sale

- 1. Interpretation**
 - 1.1 In these terms and conditions:
 - (a) "Legrand Australia" means Legrand Australia Pty Ltd and any of its related bodies corporate.
 - (b) "Seller" means the seller of the Goods.
 - (c) "Goods" means the products and including any Software and, if any, services ordered by Legrand Australia from the Seller.
 - (d) "Order" means the order for the Goods placed by Legrand Australia
 - (e) "Agreement" means the agreement between the Seller and Legrand Australia set out in the Order and these terms and conditions.
 - (f) "Law" means all legislation, regulation or other subordinate legislation and other than in civil law jurisdiction common law.
 - (g) "Privacy Law" means the Privacy Act (Cth) 1988 and any other privacy legislation in the Seller's jurisdiction or otherwise to which the parties are subject.
 - (h) "Intellectual Property Rights" means any intellectual property right, including but not limited to:
 - (i) patents, copyright, rights under the Circuit Layout act 1989 (Cth) [and equivalent right outside Australia in circuit layouts], registered designs, trade marks, know-how, trade secrets and any rights to have any confidential information kept confidential; and
 - (ii) any licence or other application or right to use, or grant the use of or apply for registration of, any of the rights referred to in paragraph (i).
 - (iii) "Software" includes but is not limited to software programmes, source code, object code, scripts, executables, files, libraries and any related documents.
- 2. General**
 - 2.1 In consideration of Legrand Australia agreeing to place an Order with the Seller for the Goods, the Seller agrees that these terms and conditions shall apply to and be incorporated into the Order. To the extent permitted by Law, other than these terms and conditions, any conditions or other terms which are set out in any offer, purchase order or other document submitted by or on behalf of the Seller are expressly excluded. Modification of these terms and conditions expressed in any document of the Seller does not apply to an Order unless expressly accepted in writing by Legrand Australia.
 - 2.2 Where the Order relates to Goods the subject of a contract between the Seller and Legrand Australia, the terms of that contract shall apply to the extent of any inconsistency with these terms and conditions.
- 3. Alterations**
 - 3.1 No changes to this Order are to be made by the Seller without the written agreement of Legrand Australia.
- 4. Price**
 - 4.1 This Order is placed on a firm price basis and is not subject to increases in price without Legrand Australia's prior approval in writing and unless the Order expressly provides otherwise includes all charges, Taxes (including GST, VAT, sales tax, use tax or any tax analogous thereto), excises, duties, insurance, freight and delivery costs to the delivery address stated in this Order and the off-loading of the Goods by the Seller at delivery address and all amounts payable by Legrand Australia for the use or enjoyment of any patents, copyright, registered design, trademarks and other Intellectual Property Rights.
 - 4.2 All invoices for the Goods must meet the requirement of a valid tax invoice under the applicable Law and must include Legrand Australia's company details, the Order number, delivery date, detailed description of the Goods, the price broken down to reflect the same price components on the Order and set out the amount of any applicable Tax.
 - 4.3 Unless otherwise agreed in writing by Legrand Australia, or provided herein, the Seller's tax invoice for the Goods is payable within the period stipulated on the Order or if no period stipulated within 60 days from the end of the month in which the tax invoice was received by Legrand Australia except where Legrand Australia is required by the applicable Law to pay within a shorter time frame in which case Legrand Australia shall pay within that time frame.
 - 4.4 Without limiting its other rights, Legrand Australia is entitled to set off from any amount payable to the Seller any amount the Seller owes to Legrand Australia, whether under this Agreement or otherwise.
 - 4.5 In the event any dispute arises in relation to the Goods, to the extent permitted by the applicable Law, Legrand Australia may withhold payment for the Goods until the dispute has been resolved.
- 5. Tariff Concessions**
 - 5.1 If the Goods are being imported into Australia and a tariff concession is available to the Seller, the Seller must take all reasonable steps to obtain the tariff concession in respect of the Goods. If a tariff concession is available to Legrand Australia, the Seller must supply all documentation and do all reasonably requested by Legrand Australia to assist it in obtaining a tariff concession in respect of the Goods
- 6. Warranties**
 - 6.1 The Seller warrants that the Goods:
 - (a) match the description of the Goods in the Order.
 - (b) are fit for the purpose for which goods of the same kind are commonly supplied and any other purpose made known to the Seller;
 - (c) are of merchantable quality and to be free from defect in material and workmanship;
 - (d) comply to any sample of the Goods provided to Legrand Australia;
 - (e) are in accordance with and conform to any specifications, drawings, samples or other description (if any) furnished by Legrand Australia to the Seller. Any in-progress inspection by Legrand Australia's employees or agents or other representative does not affect this requirement.
 - (f) are made with new high quality materials and are free from any hazardous substances;
 - (g) comply with all applicable standards, safety standards, laws and regulations of Australia and any other country to which the Goods are being delivered;
 - (h) are made with a high level of care, skill and diligence and in accordance with industry best practices;
 - (i) are free from any lien, charge or encumbrance of any kind, third party rights or claims;
 - (j) do not infringe any Intellectual Property Rights and that the promotion, sale and distribution of the Goods by Legrand Australia or the Seller shall not infringe any trade mark, patent, registered design, copyright or similar or other industrial commercial property rights of any person, nor give rise to payment by Legrand Australia or any other person of any royalty to any third party or to any liability to pay compensation.
 - (k) carry a manufacturer's warranty which complies with all applicable Laws and which passes on to Legrand Australia and to its customers from Legrand Australia without liability to Legrand Australia. The Seller must assign to Legrand Australia at the request of Legrand Australia the benefit of any warranty or guarantee that the Seller has received from any supplier (whether under contract or by implication or operation of Law).
 - 6.2 The Seller warrants:
 - (a) the Seller, its officers, employees, agents and contractors have the necessary skill, experience and ability to properly fulfil the Seller's obligations under each Order.
 - (b) all services provided by the Seller will be performed with a high level of skill, care and

- (c) diligence and in accordance with industry best practices and in accordance with all relevant standards, laws and regulations. The Seller acknowledges that Legrand Australia is relying on the Sellers' skill care and diligence in carrying out such services.
 - (d) the Seller has all consents, licences or permits required for the supply of the Goods to Legrand Australia.
 - (e) this Agreement does not breach any laws, regulation or policy in the Seller's jurisdiction.
 - (f) The warranties given by the Seller under this clause are in addition to and shall not derogate from any conditions or warranties of the Seller implied by any relevant Law.
 - (g) The Seller acknowledges that Legrand Australia has entered into this Agreement in reliance of the representations and warranties in this clause. For the avoidance of doubt a breach of any of the warranties set out in this clause will be a material breach of this Agreement.
- 7. Delivery, Inspection and return**
 - 7.1 The Seller must deliver the Goods to the delivery address and within any time specified in the Order or as directed by Legrand Australia and in this respect time shall be of the essence.
 - 7.2 The Seller must ensure that a delivery docket which includes Legrand Australia's Order number and any other information required by Legrand Australia is provided to Legrand Australia with the Goods. Legrand Australia may refuse to accept delivery of Goods without such delivery docket.
 - 7.3 Legrand Australia may inspect the Goods at its discretion before or after delivery and the Seller must facilitate such inspection on request by Legrand Australia.
 - 7.4 All Goods are received subject to inspection by Legrand Australia. Signed delivery dockets or payment for the Goods does not mean acceptance by Legrand Australia of Goods delivered. If on inspection Legrand Australia considers the Goods do not conform to the Order or the requirements of this Agreement or are otherwise defective Legrand Australia may reject the Goods.
 - 7.5 Legrand Australia shall notify the Seller if the Goods are rejected pursuant to clause 7.5, and hold such Goods for the Seller's instructions and at the Seller's risk for a reasonable period not exceeding 60 days. If the Seller's instructions are not received within that period, Legrand Australia may return the Goods to the Seller's premises at the Seller's expense and risk and any expense incurred by Legrand Australia in such return is payable forthwith by the Seller and may be set off by Legrand Australia against any moneys otherwise due by Legrand Australia to the Seller.
 - 7.6 For local suppliers delivery of goods is deemed only to have occurred after unloading to Legrand Australia's delivery address and acceptance of the Goods by Legrand Australia in accordance with this clause 7.
 - 7.7 For International suppliers, delivery is deemed to have occurred as a result of the relevant Incoterm on the Order or as agreed in writing between the parties being completed by the Seller.
 - 7.8 The Seller must notify Legrand Australia as soon it becomes aware that it may not be able to deliver the Goods by the time specified in the Order.
 - 8. Royalties**
 - 8.1 Goods are for the use or re-sale by Legrand Australia or its associated companies and may be incorporated in any products (whether owned or used or possessed or manufactured by Legrand Australia). The Seller is not entitled to and must not make any claim for royalties or other additional compensation from Legrand Australia by reason of or connected with such use, re-sale or manufacture.
 - 9. Intellectual Property Rights**
 - 9.1 Legrand Australia retains all Intellectual Property Rights in any specifications, technical data, drawings, designs, and other materials provided by Legrand Australia in connection with an Order ["Legrand Australia Intellectual Property"].
 - 9.2 Legrand Australia grants the Seller a non-exclusive, non-transferable licence to use Legrand Australia Intellectual Property solely for the purpose of fulfilling an Order.
 - 9.3 To the extent that any Goods (including any Software), are created or modified in accordance with Legrand Australia's specific requirements and/or technical or functional specifications then all Intellectual Property Rights arising out of or created during the performance of the Order shall be the property of and belong to the Legrand Australia. The Seller shall take any action required by Legrand Australia to give effect to this clause, including obtaining any assignment from its employees or a third party and shall execute such documents as are required to give effect hereto and shall assist in the defence of any proceedings against Legrand Australia.
 - 10. Special dies, etc to remain Legrand Australia's property**
 - 10.1 Special dies, tools, patterns and drawings (each a "tool") used in manufacture of the Goods, the cost of which is met by Legrand Australia, remain Legrand Australia's property whether during or after the termination of this Agreement.
 - 10.2 The Seller must keep the tools in good condition and when necessary maintain the tool without expense to Legrand Australia.
 - 10.3 The Seller agrees that it will not use any tool in the production, manufacture or design of any other articles, nor of larger quantities than those required on this Order, except with Legrand Australia's prior written consent and at the termination of this contract each tool must be disposed of as Legrand Australia directs.
 - 10.4 While the Seller is in possession of Legrand Australia's tools, it acknowledges that it is a bailee of them and owes to Legrand Australia the duties, responsibilities and liabilities of a bailee.
 - 11. Confidential Information**
 - 11.1 The Seller must keep confidential the terms of the Order and any confidential information of Legrand Australia including relating to: the Goods or work made or done according to Legrand Australia's design or specifications or developed for Legrand Australia or at the direction of Legrand Australia, and any original or copy of designs or specifications supplied by Legrand Australia that are held by the Seller on Legrand Australia's behalf, and business data or other commercially valuable information. The Seller must not be disclosed Legrand's confidential information or furnished it to any other person, firm or government without Legrand Australia's prior written consent unless required to do so by Law. The Seller must take all reasonable precautions to protect such confidentiality of Legrand's confidential information.
 - 12. Packing costs and standard**
 - 12.1 The Seller must bear the costs for all labelling, wrapping, packing, cartons or crating of the Goods and the costs of return of any crating, and including any such costs claimed by their agents or suppliers, unless otherwise agreed in writing by Legrand Australia.
 - 12.2 The Seller must ensure that all Goods are suitably packed or otherwise prepared for shipment so as to secure the lowest transportation and insurance rates and in accordance with carriers' requirements.
 - 13. Advertising**
 - 13.1 The Seller must not, without Legrand Australia's prior written consent, in any manner

- advertise or publish the fact that the Seller has contracted to Legrand Australia with the Goods.
- 14. Delivery documents**
 - 14.1 The Seller must invoice Legrand Australia promptly, followed by monthly statements of account.
 - 14.2 The Seller must dispatch packing lists, shipping documents and certified invoices to Legrand Australia's office by direct mail on the day of shipment unless a different method or date of dispatch (or both) is agreed by Legrand Australia.
- 15. Cancellations of Order**
 - 15.1 Legrand Australia may immediately cancel this Order for any reason by the giving of written notice to the Seller.
 - 15.2 If this Order is cancelled under clause 15.1, the Seller shall:
 - (i) immediately cease carrying out this Order;
 - (ii) promptly return to Legrand Australia all property, documentation or information provided by Legrand Australia to the Seller in connection with this Order; and
 - (iii) use its best endeavours to mitigate all costs in connection with the cancellation of this Order.
 - 15.3 If this Order is cancelled under clause 15.1, the Seller shall only be entitled to claim from Legrand Australia the amount determined by Legrand Australia to be payable for any Goods already delivered to Legrand Australia up to the date of cancellation and the Seller shall not have and may not prosecute any claim whatsoever at law or in equity against Legrand Australia in relation to such cancellation including any claim for loss of profits, or direct or indirect damages or loss or for any loss of a consequential nature, or costs, losses, or expenses suffered or incurred by the Seller.
- 16. Termination for Breach**
 - 16.1 Without prejudice to any other rights or remedies to which it may be entitled, Legrand Australia may immediately terminate an Order by notice to the Seller if:
 - (a) the Seller becomes or is in jeopardy of becoming insolvent or going to liquidation, having a receiver or administrator appointed to it or any part of its assets or it entered into any scheme or arrangement with creditors;
 - (b) the Seller commits a breach of its obligations under this Agreement including but not limited to a breach of any warranty under clause 6;
 - (c) If the Seller does not deliver Goods on time in accordance with an Order, Legrand Australia may cancel the Order in whole or in part. Legrand Australia will be deemed not to have waived any rights under this Agreement with respect to a delay notwithstanding its failure to exercise its rights upon being made aware of the delay.
 - (d) In the event that Legrand Australia terminates an Order pursuant to this clause, without limiting any other rights it may have, Legrand Australia may at its discretion engage others to, or itself, carry out any part or the whole of the Seller's obligations under this Agreement and determine the reasonable costs so incurred by Legrand Australia and other costs, loss or damage sustained by Legrand Australia as a consequence and the same will constitute a debt due and owing by the Seller to Legrand Australia.
 - 16.2 If Legrand Australia terminates an Order under this clause it will have the same entitlements and the Seller will have the same liabilities as each would at law, had the Seller repudiated the Agreement and Legrand Australia terminated this Agreement by acceptance of the Seller's repudiation.
 - 16.3 Without limitations, the Seller must, in addition to any other liability, pay the costs of removing any defective Goods, or Goods not supplied in accordance with the Order or the terms and conditions of this Agreement or rejected by Legrand Australia pursuant to clause 7, from Legrand Australia's premises, including any the costs of packing, storage, transport or shipping.
- 17. Title and Risk**
 - 17.1 Risk and title to the Goods passes to Legrand Australia on delivery of the Goods in accordance with clause 7. The Goods are at the Seller's risk until such delivery occurs.
 - 17.2 Nothing in the conduct of Legrand Australia or the transfer of property in the Goods (including delay that is or is not the fault of Legrand Australia or of any person who represents Legrand Australia) alters the incidence of risk under this clause.
- 18. Liability and Indemnity**
 - 18.1 To the extent permitted by law, the Seller must indemnified and hold harmless Legrand Australia, its directors, officers, employees and agents against all actions, claims, demands, damages, costs, charges and expenses with direct, indirect or consequential whatsoever brought or made against Legrand Australia or incurred by Legrand Australia in respect or as a result of: (i) any defective workmanship, quality, design or materials, including relating to any product recall or remedial action required; (ii) and any liability Legrand Australia may have as deemed manufacturer of the Goods under the Competition and Consumer Act 2010 (Cth) Australian Consumer Law (iii) infringement or alleged infringement of any form of Intellectual Property Right by the use or sale of the Goods or materials supplied to Legrand Australia unless to the extent that the infringement is due to the Seller having followed Legrand Australia's design or instruction; (iv) any injury loss or damage to persons or property caused by act, default or negligence of the Seller, its employees, sub-contractors or agents or by faulty design, workmanship or materials unless to the extent that the injury, loss or damage is caused by the negligence of Legrand Australia; (v) late delivery of the Goods; (vi) any failure by the Seller to comply with the provisions of this Agreement; (vii) all liabilities of whatever nature which may at any time result from the wrongful acts or omissions of the Seller's employees or the employees of the Seller's sub-contractors.
 - 18.2 To the extent permitted by law, Legrand Australia's liability to the Seller arising out of or in connection with this Agreement is limited to the total price payable under the Order. Legrand Australia will not under any circumstances be liable to the Seller for any loss of profit or indirect damages or loss or for any loss of a consequential nature whatsoever by the Seller.
- 19. Insurance (for Australia suppliers)**
 - 19.1 In addition to any insurance which the Seller is by Law obliged to effect, the Seller must procure and maintain at its own expense, with an insurer registered as an "Authorised Insurer" by the Australian Prudential Regulation Authority (APRA) as the regulating authority such policies of insurance, including:
 - (a) public liability insurance to cover loss or damage in relation to personal injury (including illness), or damage to property including property belonging to third parties;
 - (b) product liability insurance, to cover loss or damage in relation to defective Goods that cause personal injury, property damage and losses such as delay, recall and rectification costs in relation to defective Goods;
 - (c) professional indemnity insurance.
 - 19.2 Each policy must be for an amount of not less than \$20 million (AUD) per occurrence for public liability insurance and in aggregate from product liability insurance. The Seller must ensure that Legrand Australia is named as or falls with the definition of an insured party in respect of any liability arising out of or by reason of the supply of the Goods.
 - 19.3 The Seller must provide Legrand Australia copies of certificates of insurance for the insurances required by this clause if requested by Legrand Australia. The Seller is

- responsible for ensuring that its subcontractors maintain insurance coverage at levels no less than those required of the Seller under this clause.
- 20. Imports and Embargoes**
 - This section applies where the Seller undertakes import of the Goods it supplies to Legrand Australia or where our commercial arrangement is not restricted solely to the Australian market (Imports).
 - 20.1 The Seller warrants and undertakes to Legrand Australia
 - (a) The Seller shall comply with all the import control regulations of Australia, New Zealand, France, the EU, and the USA and those of any other applicable jurisdiction and it shall obtain all necessary licences, shipping documents and authorisations required under such legislation in respect of such Imports.
 - (b) The Seller shall not Import or re-Import the Goods from a country that is subject to embargo or sanction without having obtained all necessary authorisations from Australian, New Zealand, French, European or American authorities, the United Nations or any other country or organisation that imposes such restrictions.
 - (c) The Seller shall not obtain supply of the Goods from parties, organisations or entities subject to embargoes, sanctions or other restrictions imposed by Australia, New Zealand, France, the EU, the USA, the United Nations or by any other country, or to parties, organisations or entities if there is reason to believe that they fail to fully comply with all applicable national or international regulations, sanctions and embargoes.
 - (d) The payments received for the Goods are not intended to be used in connection with any sectors or use that is banned or subject to restrictions under any applicable Laws, unless all required authorisation by the relevant bodies have been obtained.
 - (e) All transfer and receipt of funds by the Seller comply with all applicable national and international Laws.
 - (f) To enable authorities or Legrand Australia to conduct compliance audits, the Seller upon request by Legrand Australia, shall promptly provide Legrand Australia with all relevant licences and authorisations, information as to the identity of the supplier from whom the Goods are obtained, the destination and intended use of the payments for the Goods and the financial institutions or entities used to collect and issue payments.
 - (g) The Seller shall notify Legrand Australia if the Seller suspects that any person the Seller has obtained the Goods from may not be complying with any embargo, sanction or applicable Import control Law.
 - (h) Seller shall indemnify and hold harmless Legrand Australia from and against any and all claims, proceedings, actions, fines, losses, costs and damages arising out of or relating to any noncompliance by the Seller with any of the above undertakings or breach of any relevant Import control Laws or sanction or embargo.
 - 20.2 The Seller's compliance with all the above undertakings is a condition of Legrand Australia continuing purchase the Goods from the Seller and Legrand has the right to suspend such purchase and terminate any agreement where we have a reasonable belief that the above undertakings are not being complied with or if any obligation under any agreement would constitute a breach of any national or international Law or any embargo or sanction and Legrand Australia shall have no liability to the Seller or any third party by way of damages or otherwise in respect of such suspension or termination.
- 21. Compliance with Anti-Bribery, Money Laundering and Corruption Legislation**
 - 21.1 The Seller represents and warrants that it will comply with all applicable Laws including but not limited to all anti-corruption, anti-bribery, anti-trust and anti-money laundering laws, export or embargo laws and other criminal laws, rules and regulations applicable to the Seller.
 - 21.2 The Seller warrants to Legrand that it has not, and will not, make any payment or transfer of anything of value to any personnel of Legrand Australia, or any government representative, or to any representative of any company or business, to secure an improper advantage or benefit in relation to the matters contemplated by this Agreement.
 - 21.3 Seller agrees to notify any breach of any term of this clause, to Legrand Australia within a reasonable time.
 - 21.4 The Seller acknowledges and agrees that any breach of this clause by the Seller is deemed a material breach entitling Legrand to immediately terminate this Agreement pursuant to clause 16 and Legrand Australia shall have no liability to the Seller or any third party by way of damages or otherwise in respect of such suspension or termination.
- 22. Privacy**
 - Seller shall comply with all applicable Privacy Laws in relation to all personal information it collects, uses, discloses, processes or controls in relation to this Agreement and shall take all appropriate measures required to protect against the unauthorised use, disclosure or loss of that personal information.
- 23. General**
 - 23.1 The Seller must not subcontract, assign or novate an Order or any obligations or rights under this Agreement without the prior written consent of Legrand Australia. Legrand Australia may assign or novate its rights under this Agreement at any time without notice to the Seller.
 - 23.2 No neglect, delay or indulgence on the part of Legrand Australia in enforcing any of these terms and conditions will prejudice the rights of Legrand Australia or be construed as a waiver of any such rights.
 - 23.3 Nothing in this Agreement shall be construed to create an employment or agency relationship, partnership or joint venture between Legrand Australia and the Seller.
 - 23.4 If any part of these terms and conditions (including any provision, part, paragraph, phrase or word) is illegal, invalid or unenforceable it will be read down so far as necessary to give it a valid and enforceable operation or, if that is not possible, it will be severed from these terms and conditions, but in any event the remaining provisions will remain in full force and effect.
 - 23.5 This Agreement and these terms and conditions are governed by and must be construed in accordance with the laws which apply in New South Wales, except for the Sale of Goods [United Nations Convention] Act 1994 which is expressly excluded except that in the event the Seller is in a jurisdiction other than Australian and any part of these terms and condition is required by the Laws of the Seller's jurisdiction to be severed then the relevant terms of the United Nations Convention on Contracts for International Sale of Goods shall apply to replace the severed terms and conditions.. The parties submit to the non-exclusive jurisdiction of the courts of New South Wales in respect of all matters or things arising out of these terms and conditions and any other provision of this Agreement.
 - 23.6 The parties waive any right to have this Agreement and these terms and conditions translated from English to any other language. If they are subsequently recorded in any other language, the English language version shall prevail to the extent of any inconsistency.
 - 23.7 Clauses 1, 6, 8, 9, 10.4, 11, 16.2, 16.3, 18, 19, 20.2, 21.4, 22, 23 survive the termination of this Agreement as do any other provisions that by implication from their nature are intended to survive the termination and any rights and remedies accrued prior to termination.



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THE WAY
WITH
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