

LITHIUM-ION EMERGENCY LIGHTING LUMINAIRES



FOR EXTENDED
BATTERY LIFE



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



WHAT IS LIION?

LIION is the name given for the range of emergency lighting luminaires fitted with lithium-Ion batteries. With an operational lifespan 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.

SAFETY FOR EMERGENCY LIGHTING

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 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. **Resulting in an extended battery service life.**

LIION AND THE ENVIRONMENT

Emergency lighting products are known for using Lead-acid, NiCd/NiMH batteries. These types of batteries have high environmental impacts due to the blend of heavy toxic metals. The Queensland Governments "EXITCYCLE GUIDELINES" document identifies that approximately five million NiCd batteries are sent to landfill each year. These heavy metals, if not disposed of correctly may be harmful to humans and environment.

LiFePO₄ batteries don't contain heavy toxic metals; in addition LiFePO₄ batteries don't require frequent charging as they can hold charge over long periods resulting in reduced energy consumption. Legrand is at the forefront when it comes to protecting the environment with the LIION emergency lighting range of luminaires.

WARRANTY

The LIION range has been designed, built and tested to outperform traditional battery technologies and is provided with a **5 year warranty.***

*refer to installation instructions of each luminaire for full warranty conditions and to ensure a proper maintenance regime is followed as per AS/NZS 2293 series.

LIION MANUFACTURED IN AUSTRALIA

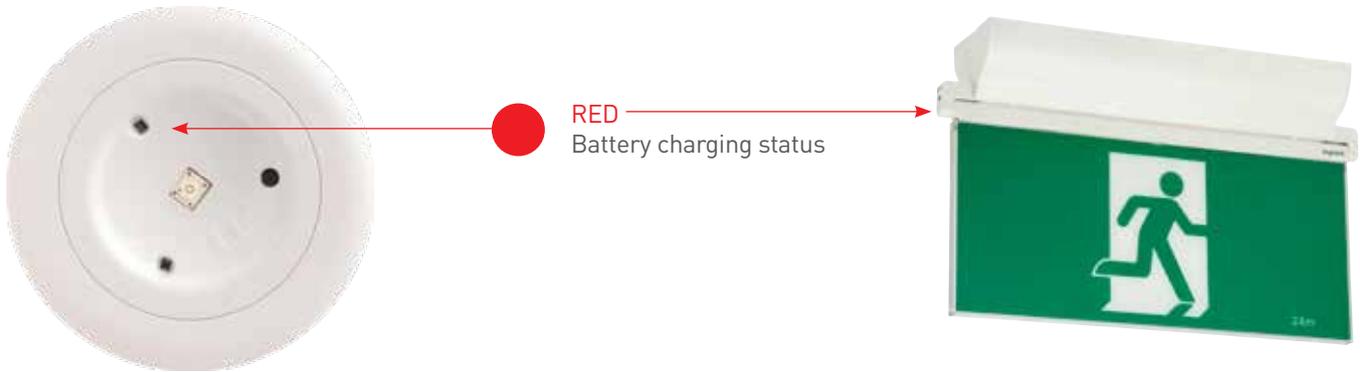
All LIION emergency luminaires have been designed and manufactured by Legrand in Australia. They comply with AS/NZS 2293 emergency lighting (luminaire).



Manufactured
in Australia

LIION LED INDICATORS

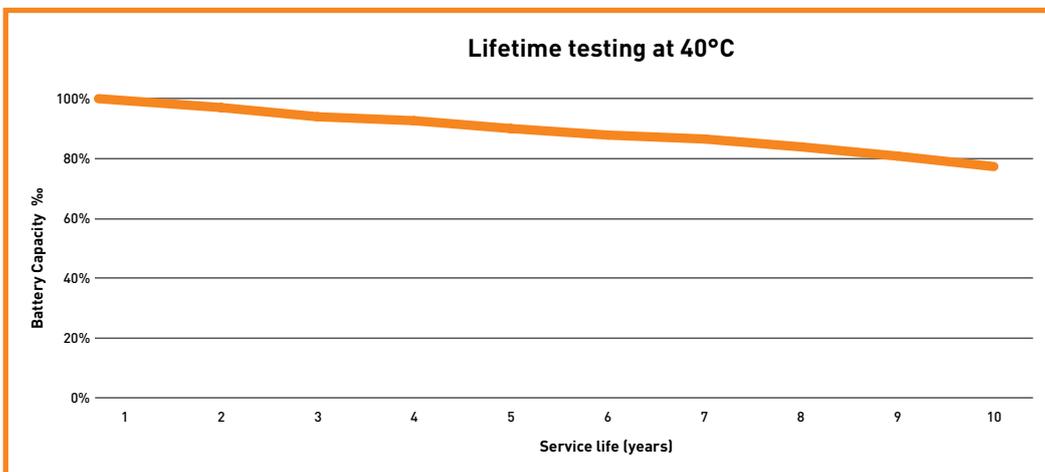
Legrand's range of LIION emergency luminaires have the feature of LED indicators providing visual information on battery charging and battery health.



	Red on	– Battery is in good condition and is being charged when necessary
	Red off	– Loss of mains power, OR – Battery disconnection, OR – Unit is under test
	Slow flashing red	– Battery needs replacement

BATTERY CAPACITY OVER LIFETIME

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 lengthens the operational life of the battery.



LITHIUM-ION Emergency Lighting LUMINAIRES



684432/LI



684730/LI



684770/LI



686200/LI



684447/LI



684449/LI

Cat.Nos	E3™ LED Edgelight	C0	C90	Cat.Nos	Securit™ LED - 24m	C0	C90
	For complete fixture order power pack & diffuser type				Axiom® - recessed		
	SPU - recessed power pack only				684780/LI Maintained LED ss RM	E1.3	E1
684437/LI	Maintained power pack LED	–	–	684781/LI	Maintained LED ss RM left	E1.3	E1
	SPU - surface mounted power pack only			684782/LI	Maintained LED ss RM right	E1.3	E1
684443/LI	Maintained power pack LED silver	–	–	684783/LI	Maintained LED ds RM	E1.3	E1
	Axiom® - recessed power pack only			684784/LI	Maintained LED ds RM left/right	E1.3	E1
684438/LI	Maintained power pack LED	–	–		Axiom® - surface mounted		
	Axiom® - surface mounted power pack only			684785/LI	Maintained LED ss RM	E1.3	E1
684444/LI	Maintained power pack LED silver	–	–	684786/LI	Maintained LED ss RM left	E1.3	E1
	Diffuser - Single-sided - Stainless steel			684787/LI	Maintained LED ss RM right	E1.3	E1
684431	Wall plate - RM	N/A*	N/A*	684788/LI	Maintained LED ds RM	E1.3	E1
684432	Wall plate - left arrow - RM	N/A*	N/A*	684789/LI	Maintained LED ds RM left/right	E1.3	E1
684433	Wall plate - RM - right arrow	N/A*	N/A*		G2™ LED Slide Connect		
684439	RM - wall plate	N/A*	N/A*		SPU		
684440	Left arrow - RM - wall plate	N/A*	N/A*	686200/LI	Maintained LED set of RM ss/ds white	D1.25	A1.25
684441	RM - right arrow - wall plate	N/A*	N/A*	686206/LI	Maintained LED set of RM ss/ds black	N/A*	N/A*
	Diffuser - Double-sided - Stainless steel			686208/LI	Maintained LED set of RM ss/ds silver	D1.25	A1.25
684434	Wall plate - RM	N/A*	N/A*		Axiom®		
684435	Wall plate - arrow to wall - RM	N/A*	N/A*	686203/LI	Maintained LED set of RM ss/ds white	D1.25	A1.25
684436	Wall plate - RM - arrow away from wall	N/A*	N/A*	686207/LI	Maintained LED set of RM ss/ds black	N/A*	N/A*
	E2™ LED Edgelight - 24m			686211/LI	Maintained LED set of RM ss/ds silver	D1.25	A1.25
	SPU - recessed				ER2 LED utility exit - 24m		
684730/LI	Maintained LED with RM ss/ds white	C10	C12.5		SPU - wall mounted		
	SPU - surface mounted			684447/LI	Maintained LED ss with RM	E2.5	E2.5
684731/LI	Maintained LED with RM ss/ds white	C10	C12.5		SPU - ceiling mounted		
684733/LI	Maintained LED with RM ss/ds black	N/A*	N/A*	684449/LI	Maintained LED ds with RM	E2.5	E2.5
	Axiom® - recessed				Large LED exit		
684740/LI	Maintained LED with RM ss/ds white	C10	C12.5		SPU - 32m		
	Axiom® - surface mounted			684481/LI	Maintained LED ss RM	D12.5	D5
684741/LI	Maintained LED with RM ss/ds white	C10	C12.5	684482/LI	Maintained LED ss RM left	D12.5	D5
684743/LI	Maintained LED with RM ss/ds black	N/A*	N/A*	684483/LI	Maintained LED ss RM right	D12.5	D5
	Securit™ LED - 24m			684484/LI	Maintained LED ds RM	D12.5	D5
	SPU - recessed			684485/LI	Maintained LED ds RM left/right	D12.5	D5
684770/LI	Maintained LED ss RM	E1.3	E1		Axiom® - 32m		
684771/LI	Maintained LED ss RM left	E1.3	E1	684491/LI	Maintained LED ss RM	D12.5	D5
684772/LI	Maintained LED ss RM right	E1.3	E1	684492/LI	Maintained LED ss RM left	D12.5	D5
684773/LI	Maintained LED ds RM	E1.3	E1	684493/LI	Maintained LED ss RM right	D12.5	D5
684774/LI	Maintained LED ds RM left/right	E1.3	E1	684494/LI	Maintained LED ds RM	D12.5	D5
	SPU - surface mounted			684495/LI	Maintained LED ds RM left/right	D12.5	D5
684775/LI	Maintained LED ss RM	E1.3	E1		SPU - 48m		
684776/LI	Maintained LED ss RM left	E1.3	E1	684486/LI	Maintained LED ss RM	D12.5	D4
684777/LI	Maintained LED ss RM right	E1.3	E1	684487/LI	Maintained LED ss RM left	D12.5	D4
684778/LI	Maintained LED ds RM	E1.3	E1	684488/LI	Maintained LED ss RM right	D12.5	D4
684779/LI	Maintained LED ds RM left/right	E1.3	E1	684489/LI	Maintained LED ds RM	D12.5	D4
				684490/LI	Maintained LED ds RM left/right	D12.5	D4

*Product complies with AS/NZS 2293 as an illuminated emergency exit sign without a photometric classification.

RM – running man, ss – single sided, ds – double sided
L6 – 600mm Length, L12 – 1200mm Length

Legrand is an active member of



Legrand Australia
Building 4, Nexus Industry Park
43-47 Lyn Parade, Prestons NSW 2170
1300 369 777
www.legrand.com.au

Legrand New Zealand
106-124 Target Road
Glenfield, Auckland 0627
0800 476 009
www.legrand.co.nz