

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

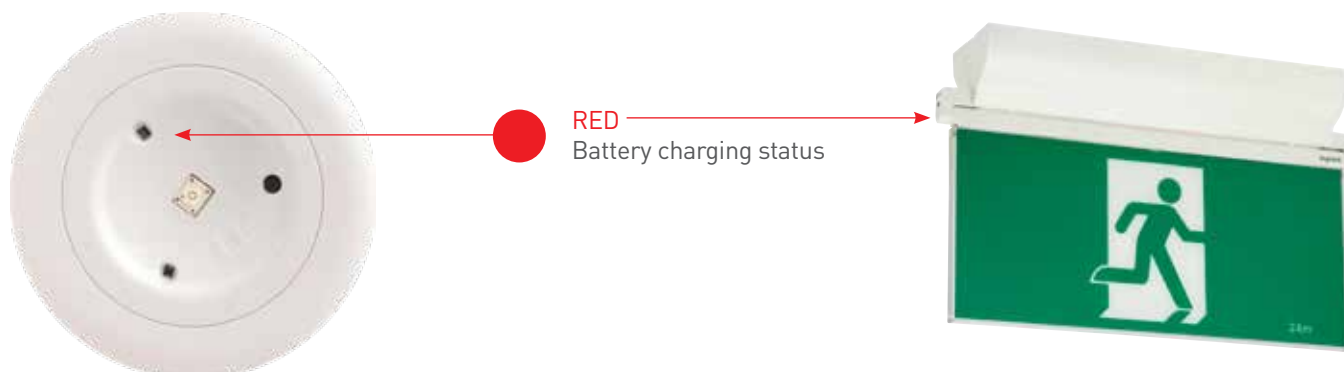
All LIION emergency luminaires have been designed and manufactured by Legrand in Australia. They comply with AS/NZS 2293 emergency lighting (luminaire).



Manufactured
in Australia

LIION LED INDICATORS

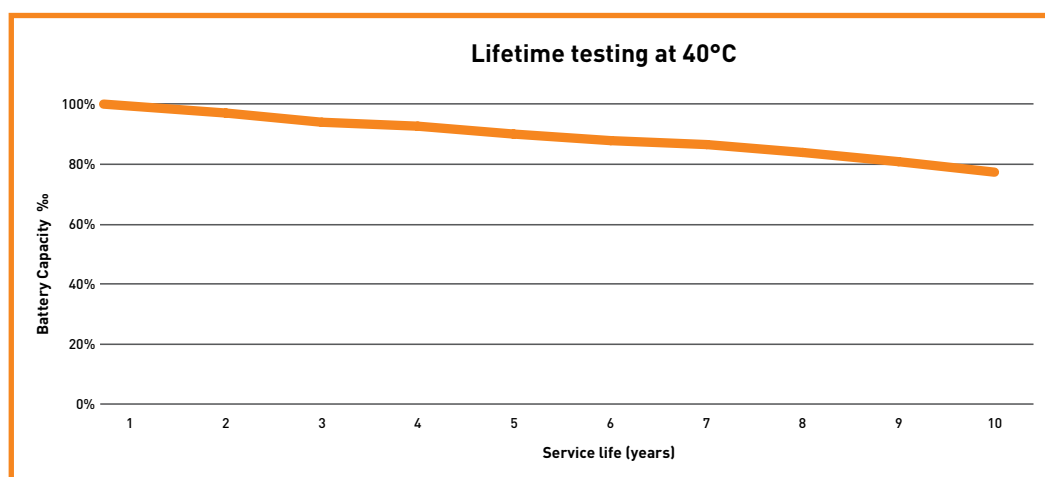
Legrand's range of LIION emergency luminaires have the feature of LED indicators providing visual information on battery charging and battery health.



	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

E3™ LED Edgelight		C0	C90	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

LITHIUM-ION Emergency Lighting LUMINAIRES



684481/LI



684652/LI



684850/LI



684875/LI



685050/LI



664164/LI

Cat.Nos	Large LED Exit
	Axiom® - 48m
684496/LI	Maintained LED ss RM
684497/LI	Maintained LED ss RM left
684498/LI	Maintained LED ss RM right
684499/LI	Maintained LED ds RM
684500/LI	Maintained LED ds RM left/right
	SPU - 60m
684501/LI	Maintained LED ss RM
684502/LI	Maintained LED ss RM left
684503/LI	Maintained LED ss RM right
684504/LI	Maintained LED ds RM
684505/LI	Maintained LED ds RM left/right
	Axiom® - 60m
684511/LI	Maintained LED ss RM
684512/LI	Maintained LED ss RM left
684513/LI	Maintained LED ss RM right
684514/LI	Maintained LED ds RM
684515/LI	Maintained LED ds RM left/right
	Weatherproof Exit
	SPU - 24m
684650/LI	Maintained LED ss RM IP65
684651/LI	Maintained LED ss RM left IP65
684652/LI	Maintained LED ss RM right IP65
	Axiom® - 24m
684660/LI	Maintained LED ss RM IP65
684661/LI	Maintained LED ss RM left IP65
684662/LI	Maintained LED ss RM right IP65
	SPU - 32m
684670/LI	Maintained LED ss RM IP65
684671/LI	Maintained LED ss RM left IP65
684672/LI	Maintained LED ss RM right IP65
	Axiom® - 32m
684680/LI	Maintained LED ss RM IP65
684681/LI	Maintained LED ss RM left IP65
684682/LI	Maintained LED ss RM right IP65

	LED Satellite™
	SPU - recessed
684850/LI	Non-maintained LED white
684852/LI	Non-maintained LED black
	Axiom® - recessed
684860/LI	Non-maintained LED white
684862/LI	Non-maintained LED black
	SPU - surface mounted
684853/LI	Non-maintained LED white
684854/LI	Non-maintained LED black
	Axiom® - surface mounted
684863/LI	Non-maintained LED white
684864/LI	Non-maintained LED black

C0	C90	Cat.Nos	Weatherproof LED Satellites™	C0	C90
			SPU		
D12.5	D4	684875/LI	Non-maintained LED IP55	D25	D25
D12.5	D4		Axiom®		
D12.5	D4	684879/LI	Non-maintained LED IP55	D25	D25
D12.5	D4		WP2 LED Weatherproof Battens		
			SPU		
D10	D3.2	685050/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
D10	D3.2	685080/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
D10	D3.2		Axiom®		
D10	D3.2	685060/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
D10	D3.2	685090/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
			SPU - with DIM Sensor		
D10	D3.2	685053/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
D10	D3.2	685083/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
			Axiom® - with DIM Sensor		
D10	D3.2	685063/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
D10	D3.2	685093/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
			SPU - with ON/OFF Sensor		
		685051/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
		685081/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
			Axiom® - with ON/OFF Sensor		
		685061/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
		685091/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
			Bulkhead 360 LED		
			SPU		
		664164/LI	Switched maintained plain LED 1800lm IP65	D80	D80
		664165/LI	Switched maintained guard LED 1600lm IP65	D80	D80
			Axiom®		
		664168/LI	Switched maintained plain LED 1800lm IP65	D80	D80
		664169/LI	Switched maintained guard LED 1600lm IP65	D80	D80

Legrand is an active member of



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