

Emergency Lighting Converters

LUX365 MIDI 54V/300V

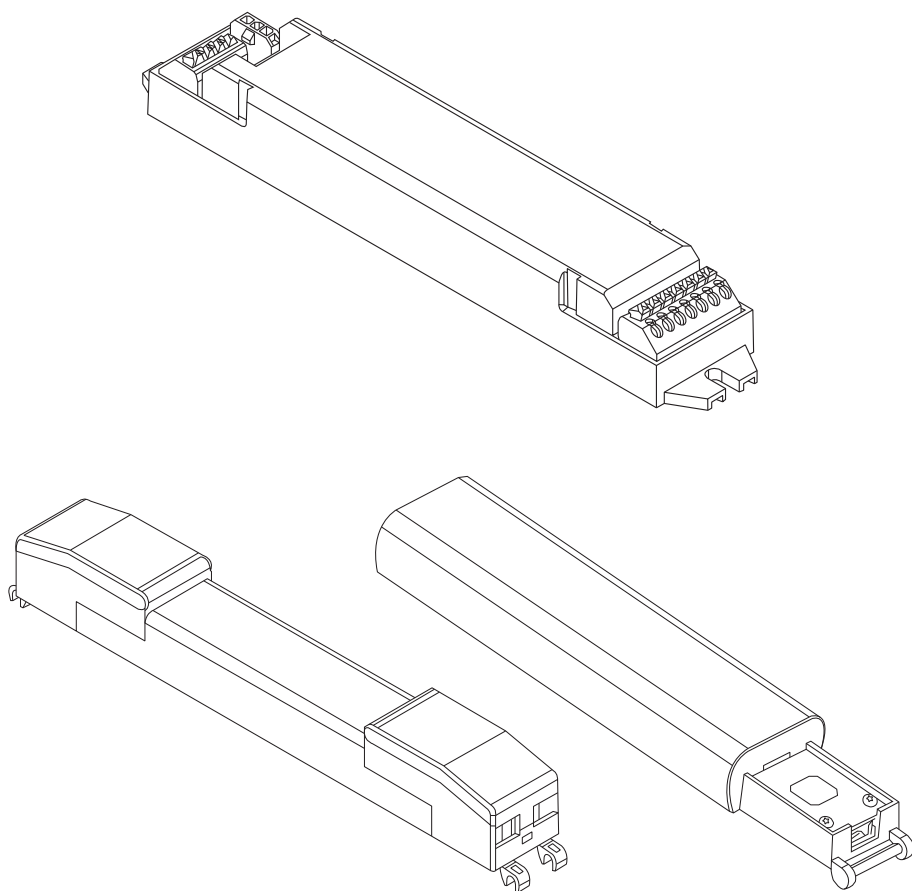
LUX365 MIDI DALI 54V/300V

LUX365 MIDI 54V/300V CNV KIT

LUX365 MIDI DALI 54V/300V CNV KIT

LUX365 MIDI 54V/300V REMOTE PACK

LUX365 MIDI DALI 54V/300V REMOTE PACK



● SW,L OUT

● SW,L IN

● UNSWL

● N

● N

LUX365[®] MIDI 300V 2.3W LiFePO4 3H

Emergency LED Driver

220-240V~50/60Hz LED Output: 50-300V 3.2V 3.6Ah LiFePO4

$\lambda=0.7C$ Iemergency:60mA max ● tc: +70°C ta: 0°C...+55°C

Prated: 2.3W Uout: 400V max

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Germany
www.inventronicsglobal.com

DA LI

17

EL

Made In UK

inventronics

powered by Mackwell

8002222
W/O:xxxx
89258/4

Power + ●

LED Driver - ●

TEST SW + ●

LED Lamp - ●

IND

BATT

Picture only for reference, valid print on product

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8002225
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Technical Data	2.3W	3W	4W
B16		220	
B10		140	
		≤ 5 A	
T _H		100 μs	
V _{NAC}		220–240 V	
f _N		50/60 Hz	
T _a		0°C...+55°C	

different versions with same wattage share same values

Wiring preparation

Main & Switched Live
0.5...1.5mm²

8mm

0.5...1.5mm²

DA LI

8mm

0.5...1.5mm²

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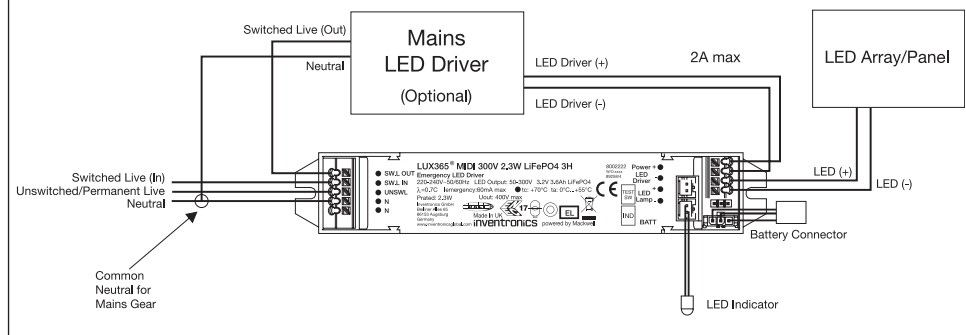
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8mm LED driver & LED Lamp feed 0.5...1.5mm²

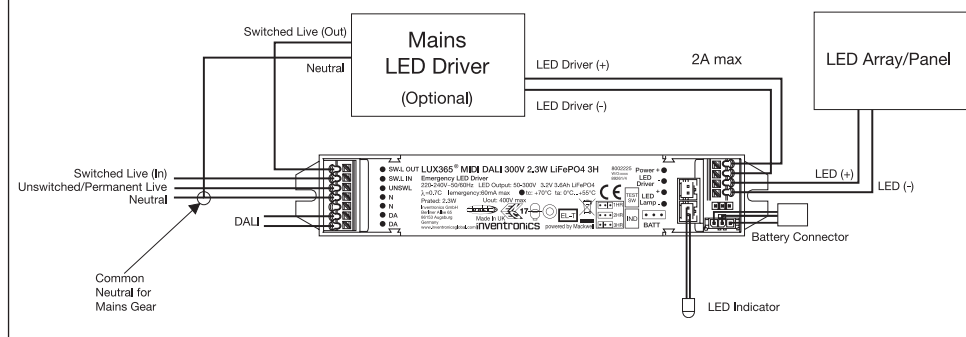
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Standard (Non DALI) versions wiring*



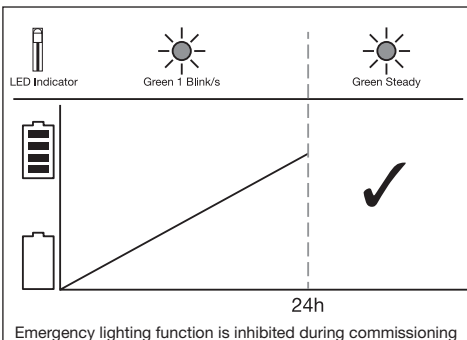
DAI versions wiring*



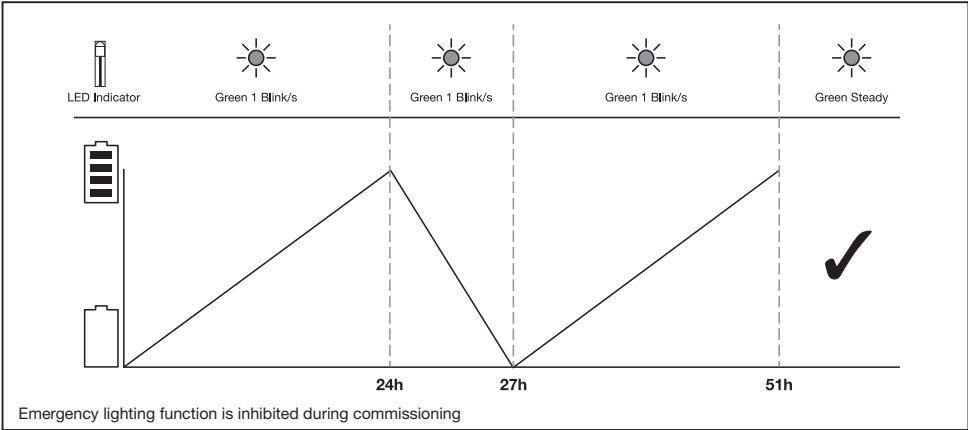
*Switched Live In/Out enables standard lighting switched operations with emergency lockout when used in conjunction with an auxiliary mains LED driver.

Commissioning Standard Version

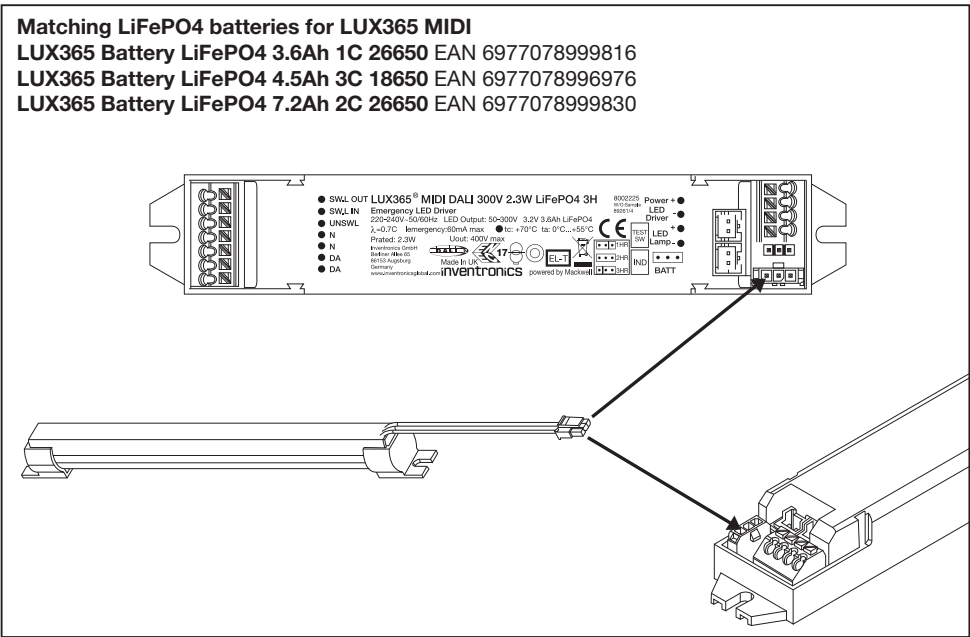
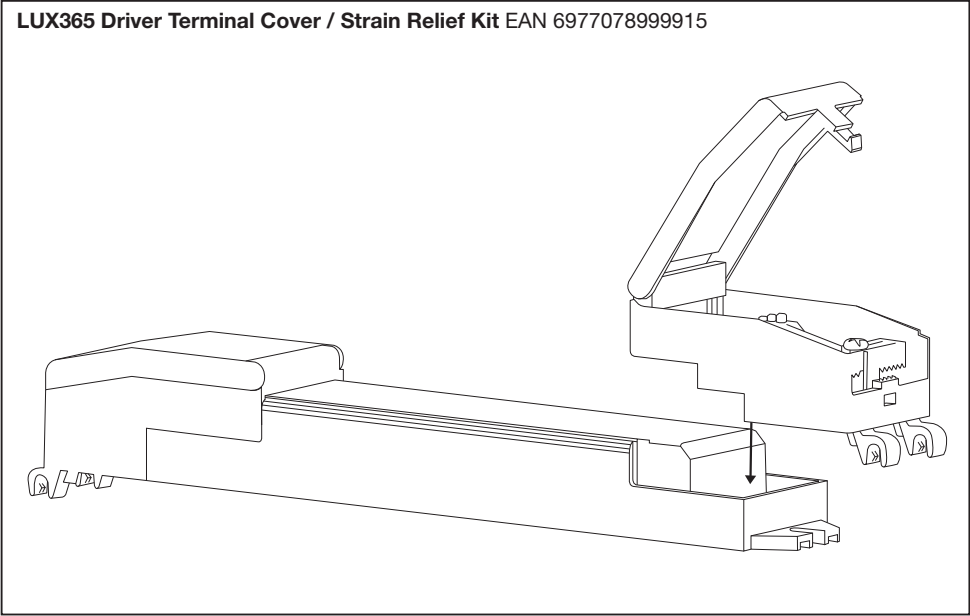
 LED Indication	Status
 Green Steady	Normal, standby mode, charging battery
 Off	Charging/Battery fault, Power off/Emergency mode



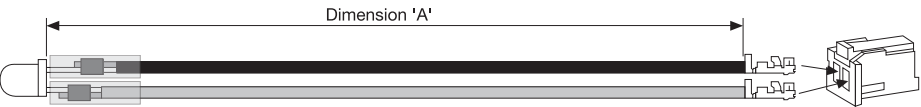
Commissioning DALI Version			
	 LED Indication	Status	EL Lamp
	GREEN	NORMAL MODE	OFF
	5 blinks/2s GREEN	NORMAL, FUNCTION TEST IN PROGRESS	ON
	1 blinks/2s GREEN	NORMAL, DURATION TEST IN PROGRESS	ON
	1 blinks/2s GREEN	NORMAL, COMMISSIONING TEST IN PROGRESS	OFF (ON DURING TEST)
	Double blink off every 10s GREEN	NORMAL, INHIBIT MODE	OFF
	Double blink off every 10s OFF	NORMAL, REST MODE	OFF
	1 blinks/2s RED/GREEN	NORMAL, IDENTIFICATION MODE	1 blink/s
	OFF	NORMAL, EMERGENCY MODE	ON
	OFF	NORMAL, BATTERY CUT-OFF	OFF
	OFF	NORMAL, PROLONG MODE	ON
	5 blinks/2s RED	FAULT, LAMP FAULT	OFF
	1 blinks/2s RED	FAULT, BATTERY CHARGING FAULT	OFF
	1 blinks/2s RED	FAULT, BATTERY DURATION FAULT	OFF
	5 blinks/s RED	CIRCUIT FAILURE	OFF



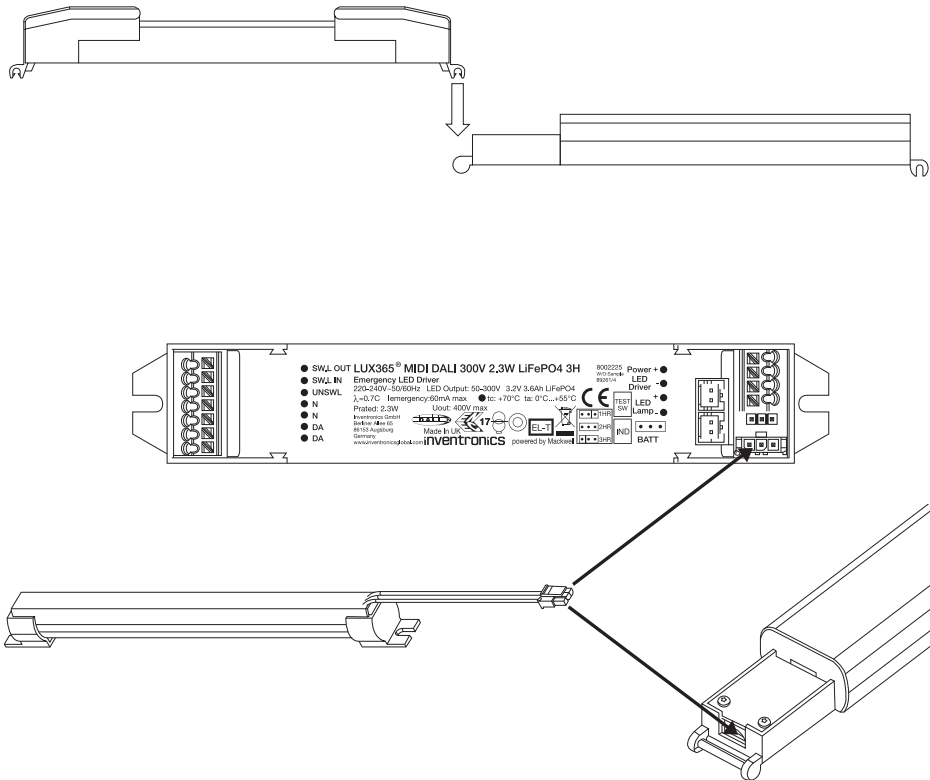
Accessoires



LUX365 450mm Diffused Green LED - Standard EAN 6977078999878
LUX365 450mm Diffused Bi-Colour LED - DALI EAN 6977078999892



LUX365 MIDI REMOTE PACK Battery wiring



GB Installing and operating information:

Connect only LED load type. Do not connect the outputs terminals of two or more units. Ensure the correct polarity of Power LED, and that the mains supply and battery are both disconnected before it is connected or disconnected. Emergency Lighting: This LED power supply complies with EN 61347-7 and is suitable for emergency lighting fixtures according to EN 60598-2-22. LUX365 MIDI emergency lighting control gears are developed exclusively for use with rechargeable LiFePO4 battery technology.

A voltage-monitoring LiFePO4 battery charging profile is applied during the commissioning period to prolong battery life and reduce energy consumption.

Permanent damage to the control gear may occur if battery polarity is reversed.

The control gear battery charge circuit has deep discharge and short circuit protection that will continue to charge batteries once a short circuit is removed and a manual Mains flush is performed.

Batteries should be fixed securely to prevent damage to the luminaire or wiring during installation and operation. Batteries must be replaced when the unit no longer meets its rated emergency duration, or if a battery fault occurs. Contact Inventronics for a suitable replacement.

The battery is protected with an internal non-replaceable fuse.

A 30 second function test is performed automatically at 30-day intervals (Auto-test versions only).

Duration Tests are performed automatically once a year by the control gear switching into emergency operation for its rated duration (Auto-test versions only).

On LUX365 MIDI 54 variants, Power LED, Battery and Indicator LED terminals are classified as SELV. The wiring to these should be kept separate from inputs, or double insulated in order to maintain SELV compliance.

The control gear is classified for built-in use and provides reinforced insulation between the mains supply and power LED, indicator LED, battery, and test switch terminals. Basic insulation is provided between live supply and DALI control conductors.

Technical support: www.inventronicsglobal.com

1) tc point; 2) Production date and Batch number

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EN 61347-2-7
 EN 61347-2-13
 EN 60598-2-22
 BS 5266-1
 EN 62034
 EN 62386
 EN 62384
 ICEL 1004
 EN 55015
 EN 61000-3-2
 EN 61000-3-3
 EN 61547



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