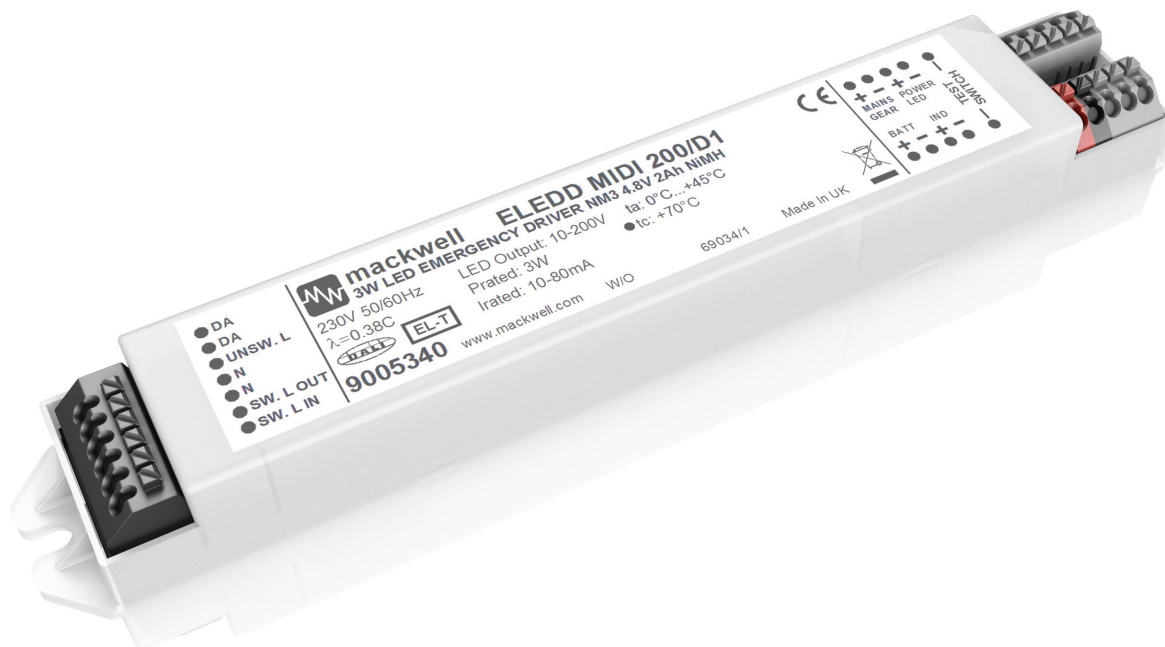


# ELEDD MIDI 200

Compact Emergency LED Driver



**ELEDD** MIDI 200



Emergency LED  
Driver With 3 Hour  
Emergency Duration

## Compact Emergency LED Driver

The ELEDD MIDI 200 range of LED emergency modules has been designed to enable conversion of general lighting for emergency operation.

Each variant has controlled current outputs, suitable for driving multiple power LEDs or multi-chip LED arrays with forward voltages ( $V_f$ ) of 50V to 200V, and built-in adaptability that allows for optimum output current based on the forward voltage of the specific light engine for a more precise match to the controlled LED scheme. The range includes options for DALI AutoTest, 3 hour emergency duration, as well as a choice of NiCd or NiMH batteries.

Key features:

- Auto load detecting
- DALI functionality option
- Compatible with leading brands of mains drivers
- SmartCharge™ technology for NiMH batteries
- Test-switch function
- Battery deep-discharge protection
- Compatible with NiMH or NiCd batteries
- 3-hour rated emergency duration



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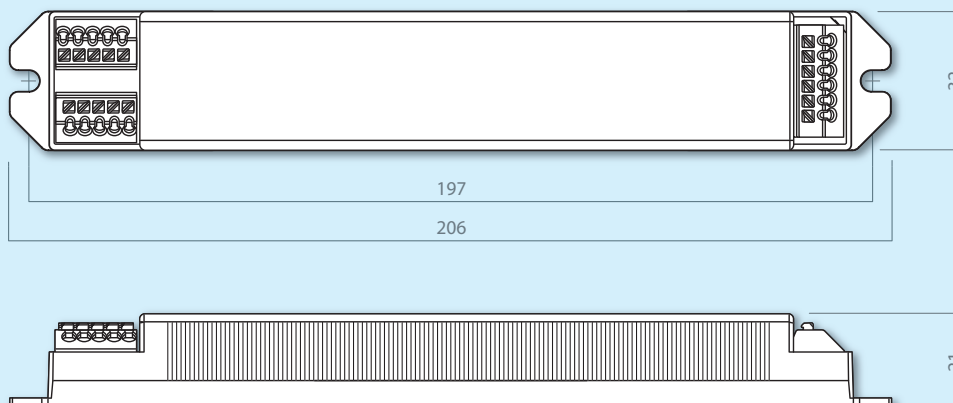




# ELED MIDI 200

## Compact Emergency LED Driver

### Dimensions



### Driver Specification

Supply voltage	:	230V
Supply frequency	:	50/60Hz
Supply current (Max)	:	25mA
Power factor	:	0.5 - 0.7
LED voltage (Vf)	:	Auto-detect 200V max
Ambient temperature (ta)	:	0°C to +55°C
Maximum case temperature (tc)	:	+70°C
Rated emergency duration	:	3 hours
Battery charge current		
NiCd (4.5Ah)	:	200mA
NiCd (2Ah)	:	95mA
NiMH (4Ah)	:	200mA*
NiMH (2.2Ah)	:	95mA*
Initial charge period	:	24 hours
Conductor size	:	0.2 to 1.5mm <sup>2</sup>
Weight	:	100g

### Relevant Standards

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

### \*Technology Features

SmartCharge™ applies an intermittent charging duty cycle designed for use with NiMH batteries. This provides energy efficient charging maintenance, reduced operating temperatures and optimum service life of NiMH batteries.

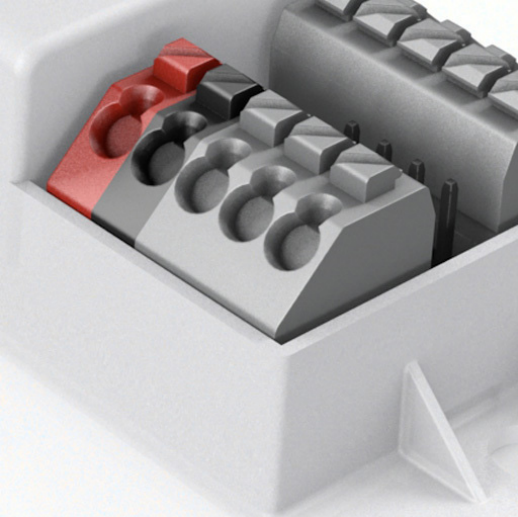
### Batteries

ELED MIDI 200 is available with a range of rechargeable battery options. For details on compatible batteries, see the compatibility chart on the final page of this datasheet. For 1 hour emergency operation, please contact Mackwell for further details.

Mackwell offers end caps with all battery sticks and these should be securely fastened to the gear tray or luminaire body with screws. Failure to use appropriate end caps may result in damage to the luminaire or wiring during transport, installation and operation.



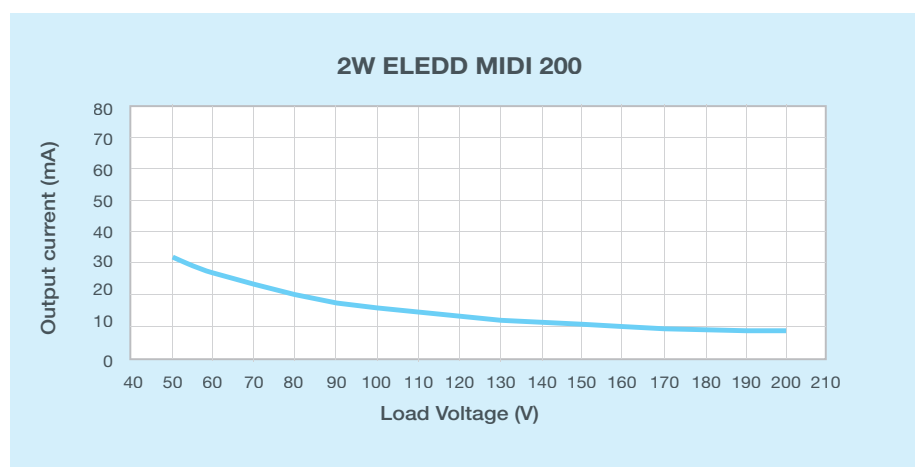
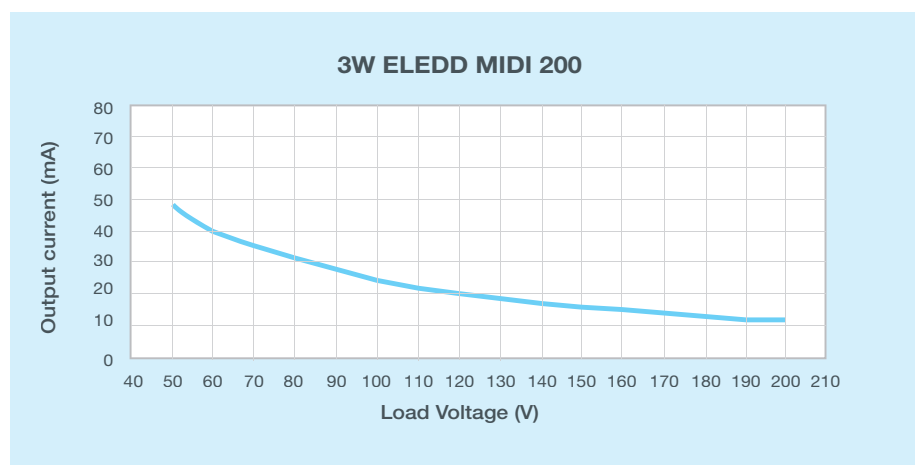
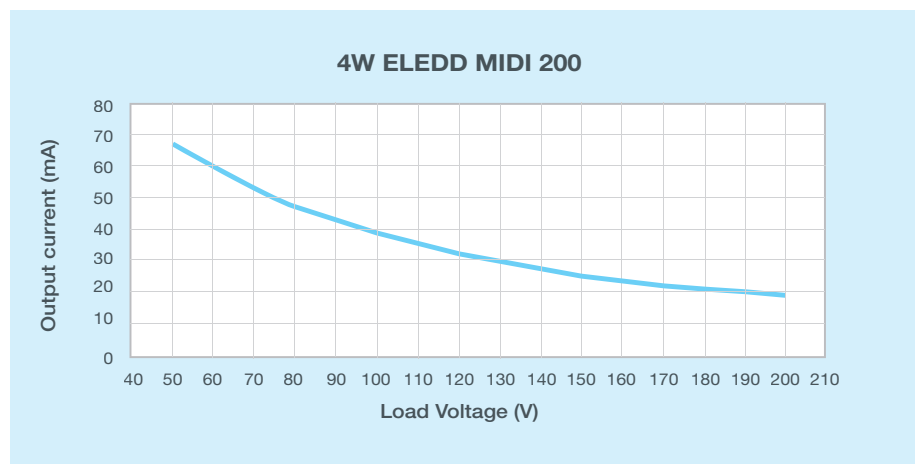
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# ELED MIDI 200

Compact Emergency LED Driver

Output Current





# ELEDD MIDI 200

## Compact Emergency LED Driver

ELEDD MIDI 200 is available with the following technology options:

### ✓ Standard

For applications where self-testing is not required or suitable, the option provides the same quality and performance expected of products, without the AutoTest® feature.

### ✓ DALI AutoTest®

Provides benefits by enabling testing and monitoring of an emergency lighting system either on-site or via an internet connection. DALI AutoTest® is ideal for monitoring larger buildings and multiple sites.

## Order codes

### Standard\*

Order Code	Description
9005337	MIDI 200V 2W 3hr NiCd Emergency Driver
9005350	MIDI 200V 3W 3hr NiCd Emergency Driver
9005352	MIDI 200V 3W 3hr NiMH Emergency Driver
9005366	MIDI 200V 4W 3hr NiCd Emergency Driver
9005368	MIDI 200V 4W 3hr NiMH Emergency Driver

### DALI\*

Order Code	Description
9005339	MIDI 200V 2W 3hr NiCd Emergency Driver
9005354	MIDI 200V 3W 3hr NiCd Emergency Driver
9005356	MIDI 200V 3W 3hr NiMH Emergency Driver
9005370	MIDI 200V 4W 3hr NiCd Emergency Driver
9005372	MIDI 200V 4W 3hr NiMH Emergency Driver

### Batteries

Order Code	Description
9001642	Battery NiCd 4C 4Ah Stick
9005247	Battery NiCd 4C 2Ah Stick
9001652	Battery NiCd 3C 4.5Ah Stick
9001664	Battery NiMH 3C 4Ah Stick
9001666	Battery NiMH 2+2C 4Ah Twin Stick

### LED Indicators

Order Code	Description
9001715	520mm Diffused Bi-Colour LED Complete With Bezel
9001737	520mm Diffused Green LED Complete With Bezel

### Kits - Standard

Order Code	Description
9005632	MIDI 200V 2W 3hr with 4C 2Ah NiCd Stick & 520mm Green LED Indicator
9005645	MIDI 200V 3W 3hr with 3C 4Ah NiCd Stick & 520mm Green LED Indicator
9005647	MIDI 200V 3W 3hr with 3C 4Ah NiMH Stick & 520mm Green LED Indicator
9005661	MIDI 200V 4W 3hr with 4C 4Ah NiCd Stick & 520mm Green LED Indicator
9005663	MIDI 200V 4W 3hr with 4C 4Ah NiMH Stick & 520mm Green LED Indicator

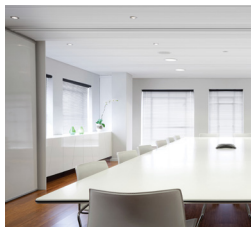
### Kits - DALI

Order Code	Description
9005634	MIDI 200V 2W 3hr with 4C 2Ah NiCd Stick & 520mm Bi-Colour LED Indicator
9005649	MIDI 200V 3W 3hr with 3C 4Ah NiCd Stick & 520mm Bi-Colour LED Indicator
9005651	MIDI 200V 3W 3hr with 3C 4Ah NiMH Stick & 520mm Bi-Colour LED Indicator
9005665	MIDI 200V 4W 3hr with 4C 4Ah NiCd Stick & 520mm Bi-Colour LED Indicator
9005667	MIDI 200V 4W 3hr with 4C 4Ah NiMH Stick & 520mm Bi-Colour LED Indicator

\* Other variants may be available on request. Contact your Mackwell sales representative for further information.



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# ELEDD MIDI 200

Compact Emergency LED Driver

## Compatibility

Technology	Type	Duration	Article Number	NiCd 3C 4.5Ah 9001652	NiCd 4C 2Ah 9005247	NiCd 4C 4Ah 9001642	NiMH 3C 4Ah 9001664	NiMH 4C 4Ah 9001666
Standard	2W	3hr	9005337		●			
	3W	3hr	9005350	●				
	3W	3hr	9005352				●	
	4W	3hr	9005366			●		
	4W	3hr	9005368					●
DALI	2W	3hr	9005339		●			
	3W	3hr	9005354	●				
	3W	3hr	9005356				●	
	4W	3hr	9005370			●		
	4W	3hr	9005372					●



## WARRANTY

ELEDD MIDI 200 drivers are warranted for three years, which covers faulty workmanship and materials. This "Return to Base" warranty requires that the product is used within the terms and conditions stated above, in our literature and on our website. Products returned to us under warranty must be carriage paid. Mackwell Electronics Ltd. accept no liability for cost incurred.

Mackwell maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice.

The contents are intended for guidance only.

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