

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

LUX365 MIDI DALI 54V 2.3W LiFePO4 3H CNV KIT

LUX365 MIDI Kits | Emergency Lighting



Product family features

- CE marked
- Battery included
- Non-Maintained Emergency Light operations
- Switched Live for standard lighting switched operations
- SELV and Non-SELV versions for extended LED modules compatibility
- Available in standard and DALI-2/AutoTest versions for intelligent monitoring
- 3-hour rated emergency duration

Product family benefits

- All-in-one solution for emergency light conversion
- Widespread enclosure footprint compatibility for seamless integration
- Compact design
- Easy and quick design-in for luminaire manufacturers
- Intelligent battery management
- Easy installation of connector, no manual wiring required
- Quick and easy visual monitor of the device status
- 6 years guarantee

Areas of application

- Suitable for indoor installations
- Suitable for emergency light luminaires
- Ideal for retail, commercial, hospitality, office, industry, shop applications

Technical data

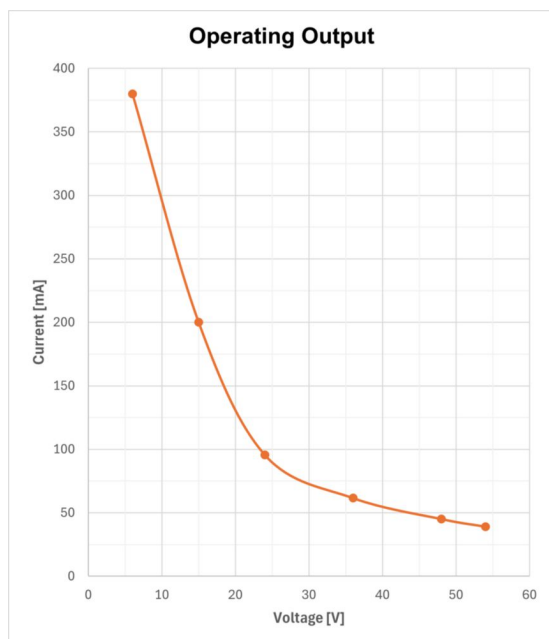
Electrical data

Nominal input voltage	220...240 V
Mains frequency	50 / 60 Hz
Input voltage AC	220...240 V
Total harmonic distortion	<55% %
Power factor λ	0.60C
Efficiency in full-load	40 %
Protective conductor current	0.4 mA (Peak)
Inrush current	5A 100us mA
Max. ECG no. on circuit breaker 10 A (B)	140
Max. ECG no. on circuit breaker 16 A (B)	220
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Max Input power	3.5 W
Standby input power	1.5 W
U-OUT (working voltage)	60 V
Nominal output voltage	6...54 V
Nominal output current	39...380 mA
Output ripple current (100 Hz)	< 10 %
Output PSTLM	<1
Output SVM	<0.4
Nominal output power	2.3 W
Output power variance	$\pm 10\%$ @3.2V
Galvanic isolation	SELV
LED driver DALI Part 202 type definition	Non Maintained (Type D) Maintained with optional LED driver

Emergency & Battery Data

Emergency light duration	3.0 h
Initial charge period	24.0 h
Maximum recharge time	16.0 h
Battery charge management	Intermittent charging duty cycle for LiFePO4 batteries
Battery charge voltage	3.4...3.6 V
Battery discharge voltage	2.8...3.6 V
Battery Included	Yes
Number of battery cells	1
Battery cell type	26650
Nominal battery voltage	3.2 V
Battery capacity	3.6 Ah
Battery cell operating temperature range	+5...+55 °C

Operating Window



Operating Output LUX365 MIDI 54V 2.3W LiFePO4 3H

Dimensions & weight



Length	172.0 mm
Width	30.0 mm
Height	22.0 mm
Mounting hole spacing, length	164.0 mm
Cable cross-section, input side	0.5... 1.5 mm ²
Cable cross-section, output side	0.5... 1.5 mm ²
Wire preparation length, input side	8.0 mm
Wire preparation length, output side	8.0 mm
Product weight	230.00 g

Colors & materials

Product color	White
Casing material	Hard plastic

Temperatures & operating conditions

Ambient temperature range	0...+55 °C
Maximum temperature at tc test point	70 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25...55 °C
Permitted rel. humidity during operation	20...90 % (Not condensing)
Permitted relative humidity at storage	10...95 % (Not condensing)

Lifespan

ECG lifetime	50000 h
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Capabilities

Control interface	DALI-2
Dimmable	No
DALI-2 Diagnostic Data	No
DALI-2 Energy Data	No
Max. cable length to lamp/LED module	1.0 m
Suitable for fixtures with prot. class	II
Suitable for emergency lighting	Yes
EL switch-over time	<500 ms
Type of connection, input side	Terminal block
Type of connection, output side	Terminal block
Suitable for through-wiring	No
Number of channels	1
Overheating protection	Yes, Auto-Recovery
Overload protection	Yes, Latch
Short-circuit protection	Yes, Latch
Intended for no-load operation	No

Certificates & standards

Approval marks – approval	CE / ENEC / DALI-2
Standards	Acc. to EN 61347-2-7, Acc. to EN 61347-2-13, Acc. to EN 60598-2-22, Acc. to BS 5266-1 / Acc. to EN 62034, Acc. to EN 62386, Acc. to EN 62384, Acc. to ICEL 1004, / Acc. to EN 55015, Acc. to EN 61000-3-2, Acc. to EN 61000-3-3, Acc. to EN 61547
Type of protection	IP20

Logistical data

Commodity code	85044095900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	12-12-2025
Primary Article Identifier	6977770430051
Candidate List Substance 1	no declarable substance contained
CAS No. of substance 1	no declarable substance contained
Declaration No. in SCIP database	In work
SCIP_ID	

Download Data

File		
Certificates	PDF	▶ ENEC certificate MIDI
CAD data 3-dim	Compressed	▶ LUX365 MIDI 3DIM PDF 120225
Product Datasheet	PDF	▶ Product Data Sheet LUX365 MIDI 54V_FINAL_v1.1
CAD data	Compressed	▶ LUX365 MIDI STEP 120225
Mandatory Publications	PDF	▶ LUX365 MIDI CE 4538508 01 160125
User instruction	PDF	▶ UI LUX356 MIDI DALI 03

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977770430051 INVENTRONICS	LUX365 MIDI DALI 54V 2.3W LiFePO4 3H CNV KIT	Shipping carton box 50 Pieces	280 x 298 x 424 mm	35.38 dm³	239.20 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit

Accessories Optional

Product description	Accessory name	Accessory code
LUX365 MIDI DALI 54V 2.3W LiFePO4 3H CNV KIT	LUX365 Driver Terminal Cover / Strain Relief Kit	▶ 6977078999915