

EM pLED ONC LiFePO4 1.5 – 3 W Kit

Combined emergency lighting LED driver 1 – 4 W



Product description

- _ Kit with emergency lighting LED driver, battery for 3 h duration
- _ Self contained emergency lighting LED driver for manual testing
- _ Non-maintained and maintained operation
- _ For luminaire installation
- _ EM = Emergency
- _ Nominal lifetime up to 50,000 h
- _ 4 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

Functions

- _ 3 h rated duration
- _ For 1 or 2 LEDs connected in series
- _ Automatic detection of connected LED load

Battery management

- _ Intelligent charge system
- _ Deep discharge protection
- _ Temperature protection
- _ Polarity reversal protection for battery provided by 3-pole connector

Batteries

- _ LiFePO4 batteries with Tridonic LiFeGuard
- _ Temperature-protected
- _ Overcharge-/Overdischarge protection
- _ Ensures safety in use
- _ LiFePO4: 4 – 8 years design life
- _ 4 years guarantee battery (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)
- _ For battery compatibility refer to data sheet, battery selection

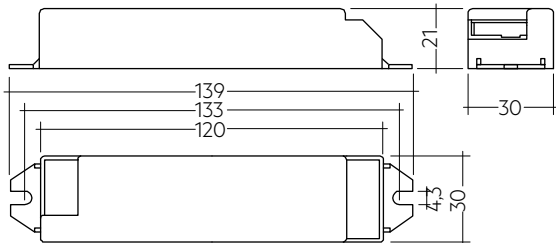
Website

<http://www.tridonic.com/89801203>

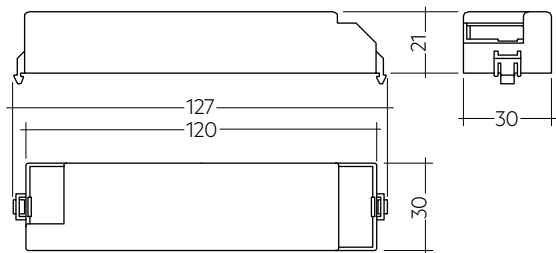


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Screw-fix



Clip-fix

Ordering data

Type	Article number	Dimensions L x W x H	Rated duration	Max. number of LEDs	Packaging, carton	Packaging, pallet	Weight per pc.
EM pLED ONC 231 LiFePO4 SCREW KIT	89801203	127 x 30 x 21 mm	3 h	2	5 pc(s).	400 pc(s).	0.63 kg
EM pLED ONC 233 LiFePO4 SCREW KIT	89801202	127 x 30 x 21 mm	3 h	2	5 pc(s).	480 pc(s).	1.37 kg
EM pLED ONC 231 LiFePO4 CLIP KIT	89801201	127 x 30 x 21 mm	3 h	2	5 pc(s).	400 pc(s).	0.63 kg
EM pLED ONC 233 LiFePO4 CLIP KIT	89801200	127 x 30 x 21 mm	3 h	2	5 pc(s).	480 pc(s).	1.37 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V (for 48 h)
THD (at 230 V, 50 Hz, full load)	< 120 %
Forward voltage range LED module	2.4 – 6.8 V
U-OUT (including open- / short-circuit and double load)	11 V
Max. open circuit voltage	11 V
Battery charging time	24 h
Output current tolerance	± 10 %
Typical output LF current ripple at full load	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 0.5 s
Output current	Refer to data sheet
Ambient temperature t_a	-25 ... +55 °C
Max. casing temperature t_c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Mains surge capability (between L - N)	1.2 kV
Mains surge capability (between L/N - PE)	2.4 kV
Type of protection	IP20
Lifetime	up to 50,000 h
Guarantee (conditions at www.tridonic.com)	4 Year(s)

Approval marks**Standards**

EN 61347-2-7, EN 61347-2-13, EN 62384, EN 55015, EN 61000-3-2, EN 61547, EN 60068-2-29, EN 60068-2-30, EN 60068-2-64, according to EN 50172, according to EN 60598-2-22