

**EM converterLED ONC 50V 3h Kit**

Ausführung BASIC



**Product description**

- \_ Kit with emergency lighting LED driver, battery for 3 h duration
- \_ Self contained emergency lighting LED driver for manual testing
- \_ For LED modules with a forward voltage of 10 – 54 V
- \_ SELV for output voltage < 60 V DC
- \_ Low profile casing (21 x 30 mm cross-section)
- \_ For luminaire installation
- \_ EM = Emergency
- \_ Nominal lifetime up to 50,000 h
- \_ 4 years guarantee (conditions at

<https://www.tridonic.com/manufacture-guarantee-conditions>)

**Properties**

- \_ Non maintained operation
- \_ 3 h rated duration
- \_ 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED driver
- \_ Automatic shutdown of output if LED load is out of range
- \_ Constant power output
- \_ Maximum light output for all LED modules
- \_ Electronic charge system
- \_ Deep discharge protection
- \_ Short-circuit-proof battery connection
- \_ Polarity reversal protection for battery provided by 3-pole connector

**Batteries**

- \_ High-temperature cells
- \_ LiFePO4 batteries
- \_ 26650 cells
- \_ 4 – 8 years design life for LiFePO4 batteries
- \_ 4 years guarantee for LiFePO4 batteries

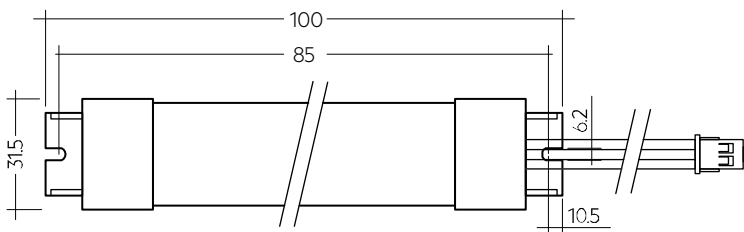
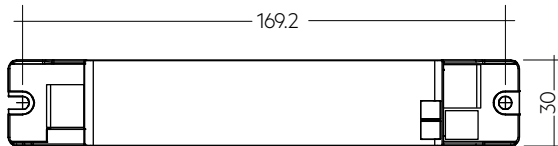
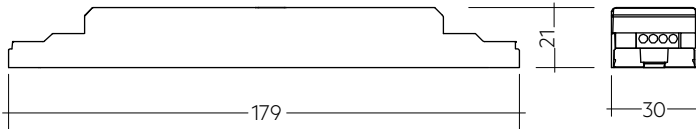
**Website**

<http://www.tridonic.com/89801158>



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**Ordering data**

| Type                           | Article number | Rated duration | Packaging, carton | Packaging, pallet | Weight per pc. | Dimensions L x W x H |
|--------------------------------|----------------|----------------|-------------------|-------------------|----------------|----------------------|
| EMcLED ONC 232 LiFePO4 50V KIT | 89801158       | 3 h            | 5 pc(s).          | 800 pc(s).        | 0.17 kg        | 179 x 30 x 21 mm     |

**Technical data**

|   |   |
|---|---|
| Rated supply voltage  | 220 – 240 V                               |
| AC voltage range  | 198 – 264 V                               |
| Mains frequency   | 50 / 60 Hz                                |
| Typ. $\lambda$ (at 230 V, 50 Hz)  | 0.6C                                      |
| Forward voltage range LED module  | 10 – 54 V                                 |
| Output current  | Refer to data sheet                       |
| Starting time   | < 0.5 s from detection of emergency event |
| Overvoltage protection  | 320 V (for 48 h)                          |
| U-OUT (including open- / short-circuit and double load)                           | 60 V                                      |
| Max. open circuit voltage   | 60 V                                      |
| Battery charging time   | 24 h                                      |
| Ambient temperature $t_a$   | -5 ... +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 kV                                      |
| Mains surge capability (between L/N - PE)   | 2 kV                                      |
| Type of protection  | IP20                                      |
| Lifetime  | up to 50,000 h                            |
| Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> ) | 4 Year(s)                                 |
| Dimensions L x W x H  | 179 x 30 x 21 mm                          |