

EM PRO G2, 220 – 240 V 50/60 Hz

PRO version

**Product description**

- _ Emergency lighting supply unit with DALI interface and automatic test function
- _ For linear and compact fluorescent lamps
- _ Low profile casing (21 x 30 mm cross-section)
- _ 5-year guarantee

Properties

- _ Non maintained operation
- _ DALI interface for testing and monitoring
- _ 1 or 3 h rated duration
- _ Operating time selectable with plug (duration link)
- _ Compatible with all electronic ballasts (dimnable and non-dimnable)
- _ 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- _ High-frequency ac operation of the lamp
- _ Power control technology ensures maximum emergency ballast lumen factors (EBLF) for all lamps
- _ Gentle on the lamp thanks to preheated lamp start and permanent cathode heating in emergency mode
- _ 5.5 min. Boost start for rapid heating of the lamp, more light in the startup phase and optimum lamp life
- _ Standard and high ballast lumen factor for 1-hour types
- _ Electronic multi-level charge system
- _ "Rest mode" function
- _ Addressing function, patented ("EZ easy addressing")
- _ EZ addressing tool can be supplied
- _ Two-colour status display LED
- _ Deep discharge protection
- _ Very low energy consumption from the battery after activation of the deep discharge protection
- _ Short-circuit-proof battery connection
- _ Polarity reversal protection for battery
- Tests:
 - _ Status of the battery
 - _ Status of the lamp
 - _ Charge condition
 - _ Function test
 - _ Duration test

Batteries

- _ High-temperature cells
- _ NiCd or NiMH batteries
- _ D, Cs or LA cells
- _ 4-year design life
- _ 1-year guarantee
- _ For battery compatibility refer to datasheet

Website

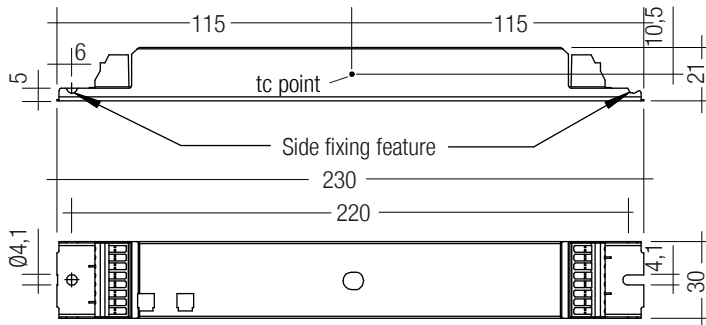
<http://www.tridonic.com/89800334>



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The complete data sheet for this product is available in the Downloads section.



Note: Supply of control gear with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Ordering data

Type	Article number	Battery type	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 1 / 3 h, Standard BLF						
EM 05 PRO NiMH G2	89800334	NiMH	5	10 pc(s).	700 pc(s).	0.156 kg

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	60 mA
Rated power	< 10 W
Overvoltage protection	320 V (for 1 h)
Maximum operating voltage (U-OUT of the ECG)	460 V
Battery charging time 1 h	10 h
Battery charging time 3 h	15 h
Discharge current, Standard BLF	1 A
Time to light	1.2 s from detection of emergency event
Leakage current (PE)	0.5 mA
Ambient temperature t_a	-5 ... +60 °C
Max. casing temperature t_c	70 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	-5 °C
Type of protection	IP20

Approval marks**Standards**

Acc. to EN 50172, Acc. to EN 60598-2-22, EN 61347-2-7, EN 60925, EN 62034, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547, EN 60068-2-29, EN 60068-2-30, EN 60068-2-64, DALI standard EN 62386-202

Specific technical data

Type	Charge current / Battery charging time		charge current / battery charge time
	Initial charge / duration	Fast recharge / duration	Trickle charge
Rated operating time 1 h, Standard BLF			
EM 05 PRO NiMh G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
Rated operating time 3 h, Standard BLF			
EM 05 PRO NiMh G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.