

EM ready2apply SELFTEST 2 W SM

EM ready2apply



Product description

- _ LED emergency module suitable for surface mounted installation
- _ Complete set with integrated electronics, LED module, heat sink, optics and battery
- _ Includes click-in multi-lens option for anti-panic, escape route and spot illumination
- _ Emergency lighting with self-test function
- _ BESA compatible mounting
- _ EM = Emergency

Properties

- _ Output power 1.5 W
- _ Very low stand-by power loss
- _ Non-maintained variants
- _ 1 or 3 h rated duration (separate variants)
- _ White or black housing colour options
- _ Back box in two different heights available (for rear and side entry)
- _ 5 years guarantee electronic (LED driver)
- _ 4 years guarantee for LiFePO4 batteries

Website

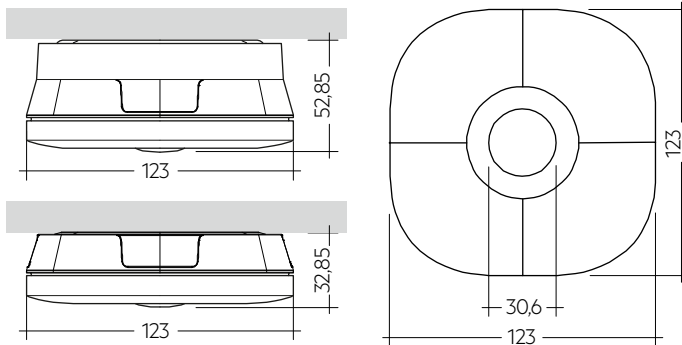
<http://www.tridonic.com/89800790>



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

**Ordering data**

Type	Article number	Colour	Design	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM R2A ST NM 112 SM	89800790	White	low	1 h	2	1 pc(s).	400 pc(s).	0.274 kg

Technical data

Rated supply voltage	220 – 240 V
Input voltage range AC (tolerance for safety)	198 – 264 V
Input voltage range AC (tolerance for performance)	198 – 254 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V (for 48 h)
Starting time (Emergency operation)	< 0.5 s from detection of emergency event
Output current tolerance	± 5 %
LF current ripple	± 5 %
Ambient temperature t_a	5 ... 40 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Type of protection	IP20
Impact protection rating ^①	IK07
Protection class	II
Colour temperature	6,500 K
Colour tolerance	3 SDCM
Colour rendering index CRI	> 80
Lifetime	up to 50,000 h

Approval marks**Standards**

according to EN 50172, EN 55015, EN 60068-2-6, EN 60068-2-30, EN 60598-1, EN 60598-2-2, EN 60598-2-22, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-7, EN 61347-2-13, EN 61547, acc. to EN 62034, EN 62384, EN 62386-101 (DALI-2), EN 62386-102 (DALI-2), DALI standard EN 62386-202, IEC 62133 (related to Lithium Iron battery), UN 38.3 (related to Lithium Iron battery), EN 62031, EN 62471

Specific technical data

Type	Number of battery cells	Rated duration	Mains current (230 V, 50 Hz), non-maintained		Mains power (230 V, 50 Hz), non-maintained		Typ. λ Cat 230 V 50 Hz, charging)	Typ. output current	Output voltage range	Typ. forward voltage	Output power
			Charging	Charger off	Charging	Charger off					
Normal operation											
EM R2A ST NM 112 SM	2	1 / -1 h	20 mA	10 mA	2.5 W	0.6 W	0.5C	-	-1 - -1 V	-	-
Emergency operation											
EM R2A ST NM 112 SM	2	1 / -1 h	-	-	-	-	-	126 mA	-1 - -1 V	12 V	1.5 W

① IK07 in case of fixing the front plate to the back box with a M3x10 self-tapping screw (not supplied). With clip fixing only IK03.