

**Features**

- Slim design with 18mm edge and 4mm bezel
- Intelligent LED exit signs with automatic self-test
- Nichia LEDs with 50K hours life at L90, with IES LM-80-08 certified
- System power is only 2W
- Full solid-state design without mechanical part
- Constant brightness control for both AC and DC operations
- Programmable lamp flashing in emergency mode
- Less than 5°C temperature rise for the whole system
- Deep-discharge shutdown for battery protection
- Optically isolated low voltage test switch
- High efficient switching mode charger with full protections
- Pulse charge mode for full battery
- Optional infrared remote control for self-test, system set up and dimming

**Compliances**

- FSD Circular Letter No. 5/2021 Requirements for Self-contained Luminaires Emergency Lighting Systems [PPA/104(A) (5th Revision)
- BS 5266-1:2016 Emergency lighting – Code of practice for the emergency lighting of premises
- BS EN 1838:2013 Lighting applications. Emergency lighting
- EN 61347-2-13 Lamp controlgear. Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
- EN 62384 DC or AC supplied electronic control gear for LED modules. Performance requirements
- EN 60598-1 Luminaires. General requirements and tests
- EN 60598-2-22 Luminaires. Particular requirements. Luminaires for emergency lighting
- EN 55015 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2 Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)
- EN 61000-3-3 Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection
- EN 61547 Equipment for general lighting purposes. EMC immunity requirements



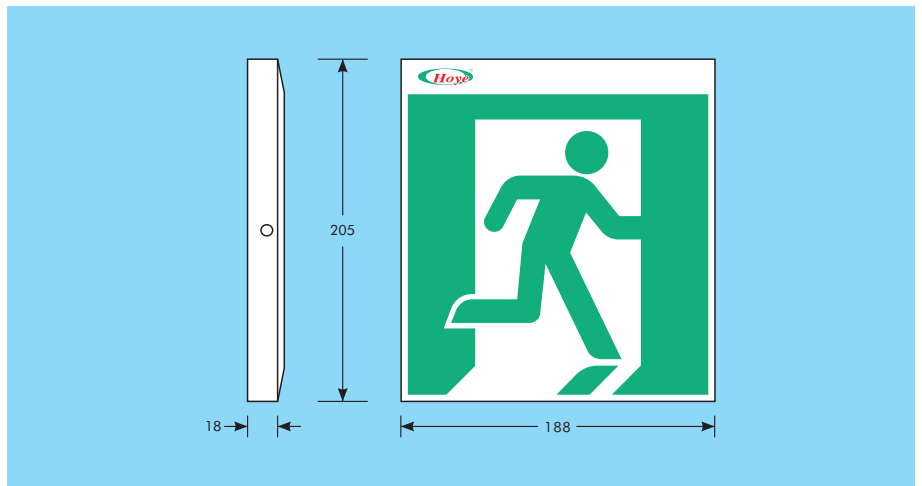
**Self-test Functions**

- Automatic commissioning test
- Monthly functional test
- Annually battery duration test
- On-demand self-test (by remote control)

**Electrical Characteristics**

Rated supply voltage	220-240 VAC (-20%, +10%)
Supply frequency	50-60 Hz
Circuit power	2.0W max
Changeover time	<0.1 Sec
Recharge time	<12 hrs
Rated discharge time	4 hrs
Power factor	>0.8
Lumen Maintenance (L70)	>50K Hrs
Battery cut-off voltage	≤1.0V/cell
Ambient temperature (ta)	0 ... +50°C
Max. temperature rise (Dt)	<5°C
Battery type	NiCd
Luminance	200 cd/m <sup>2</sup>

**Dimensions**



**Exit Sign Legends**



**Ordering Information**

Model	Width (mm)	Legend	Illuminated Side
HXS-S2SA	180	A	Single
HXS-S2SB	180	B	Single
HXS-S2SC	180	C	Single