

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 ≤ 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 ≤ 16 A per phase and not subject to conditional connection
- EN 61547 Equipment for general lighting purposes. EMC immunity requirements



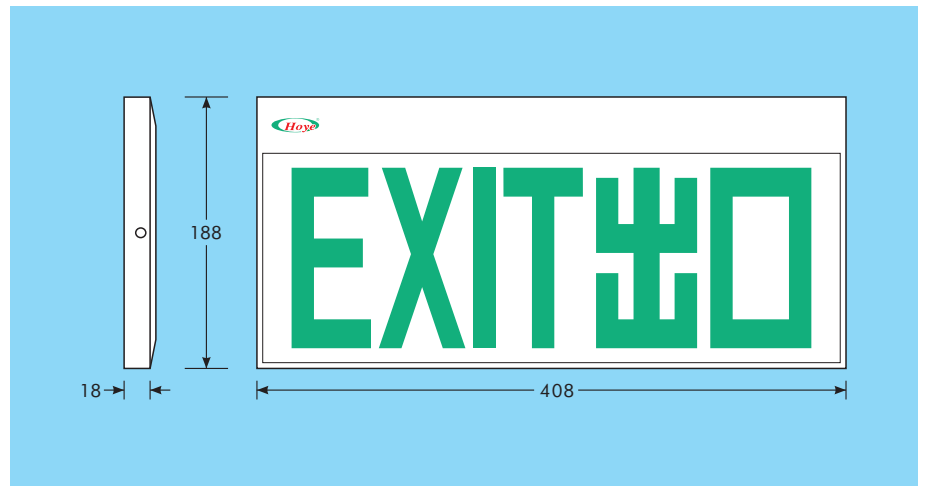
Self-test Functions

- 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 ² |

Dimensions



Exit Sign Legends



Ordering Information

| Model | Width (mm) | Legend | Illuminated Side |
|----------|------------|--------|------------------|
| HXS-S4SJ | 400 | J | Single |
| HXS-S4SK | 400 | K | Single |
| HXS-S4SL | 400 | L | Single |
| HXS-S4SM | 400 | M | Single |
| HXS-S4SN | 400 | N | Single |
| HXS-S4SO | 400 | O | Single |