

## EH Series

Pictogram sign – hazardous locations  
Class I Division 2- compliant



### Features

- Compliant Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Includes the addition of Class II Div. 1&2 Groups E, F and G as well as Class III ratings
- Temperature code T6 (maximum + 85°C (185°F)) as per Canadian Electrical Code, Part I and CSA C22.2 No.137-M1981
- High-impact thermoplastic frame with built-in gasket to secure against liquid leaks
- Sealed, heavy-duty, vandal-resistant polycarbonate faceplate(s)
- Concealed pilot light and test switch with magnetic action
- Long-life white LED light source
- Supplied standard with two pictogram films per face, for direction selection
- Meets or exceeds CSA 22.2 No.141-10 standard for pictogram signs
- Universal AC input: two-wire 120 to 347VAC; standard DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5W in AC or DC-remote mode
- Self-powered models come standard with auto-diagnostic functions and deliver two hours of back-up legend illumination
- Suitable for cold-weather: -40°C (-40°F) for AC/DC and -20°C (-4°F) for self-powered models (option: -CW)
- **Warranty details at: [www.emergi-lite.ca](http://www.emergi-lite.ca)**

nexus®



### Typical specifications

Supply and install the **Emergi-Lite® EH Series** of pictogram signs. The equipment shall be certified for Hazardous Locations: Class I Division 2 Groups A, B, C and D with a temperature code T6 (maximum 85°C (185°F)). The equipment frame shall be of industrial grade polyvinyl chloride with a gasket around lenses and canopy. The faceplate(s) shall be constructed of heavy-duty vandal-resistant polycarbonate and feature an even illuminated pictogram legend. Each faceplate shall come standard with two legend films for pictogram and direction selection. The light source shall be long-life white light-emitting diodes (LED). The pictogram sign shall operate with universal 2-wire AC input voltage of 120 to 347VAC at less than 2.5W and universal 2-wire DC input voltage from 6 to 24VDC at less than 1W for single and double face signs. The self-powered model shall include a concealed pilot light and magnet-sensitive test switch, shall use a sealed nickel-cadmium battery of 2.4V nominal voltage and shall stay illuminated during emergency operation for at least two hours upon AC failure. The self-powered model shall include auto-test functions: it shall execute automatic tests for 5 minutes every 30 days, 30 minutes every 60 days and two hours annually. When a fault is detected, the bi-colour pilot light shall turn from green to red and flash following a particular code. The code description shall be visible on a label next to the pilot light to identify the failure type: battery, charger circuitry, or LED lamps.

The pictogram sign shall meet or exceed the CSA 22.2 No. 141-10 standard.

The equipment shall be **Emergi-Lite®** model: \_\_\_\_\_.

### Class I Division 2 family



LPEXHZ Series

LPEX600 Series

EXHZ Series

HZM Series

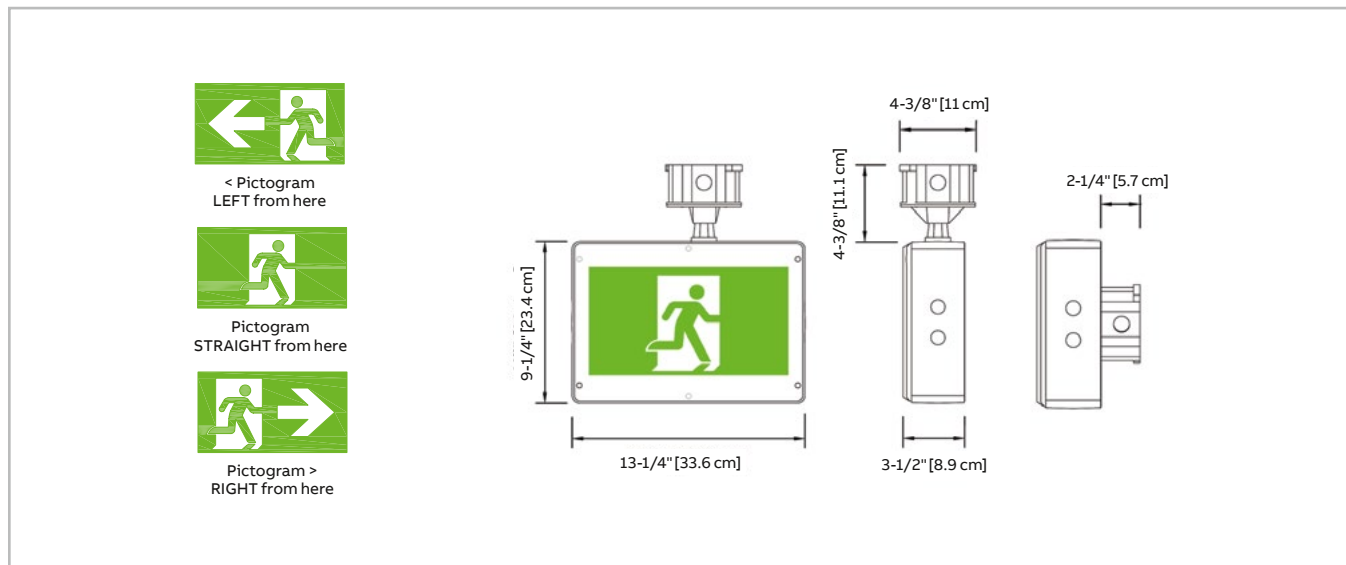
EF41 Series

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### Dimensions

Dimensions are approximate and subject to change.



### Power consumption

Model		AC specs		DC specs
AC-only	120 to 347VAC	Less than 2.5W	-	-
AC/DC standard	120 to 347VAC	Less than 2.5W	6 to 24VDC	Less than 1 W
AC/special DC	120 to 347VAC	Less than 2.5W	36, 48, 120VDC	Less than 2.5 W
Two-wire 120V AC/DC	120VAC	Less than 2.5W	120VDC	Less than 2.5 W
Auto- diagnostic	120 / 347VAC	Less than 3.5W	Nickel- cadmium battery	Minimum two hours

### Ordering information

Series	Faces <sup>1</sup>	Housing colour	Voltage	Options
EH= pictogram sign	1= single face 2= double face	G= grey	<b>EM120-2W</b> = 2-wires 120VAC/VDC <b>ID</b> = self-powered, auto-diagnostic, non-audible, Ni-Cd, 120/347VAC <b>ID2</b> = self-powered, auto-diagnostic, non-audible, Ni-Cd, 120/277VAC <b>NEXRF</b> = wireless NEXUS® system interface, 120/347VAC <sup>1</sup> <b>U</b> = universal, 120 to 347VAC; 6 to 24VDC <b>U00</b> = 120 to 347VAC only U36= 120 to 347VAC; 36VDC <b>U48</b> = 120 to 347VAC; 48VDC <b>U120</b> = 120 to 347VAC; 120VDC	<b>CW</b> = cold-weather (-20°C for SPD, SPD2 and NEXUS®, -40°C for universal model) <b>D4</b> = arrow down 45° <b>D9</b> = arrow down <b>U4</b> = arrow up 45° <b>U9</b> = arrow up

<sup>1</sup>Ceiling or wall mount only.

Example: EH1GU

<sup>1</sup>Not all options available with NEXUS® system interface. Please consult your sales representative