



# LH Series

## Pictogram Exit Sign Hazardous Locations

**Class I Div 2, Class II Div 1&2  
and Class III**



### 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 thermo-plastic frame with built-in gasket to secure against liquid leaks
- Sealed, heavy-duty, vandal-resistant polycarbonate face plate(s)
- Concealed pilot light and test switch with magnetic action
- Long-life white LED light source is warranted for 10 years
- Supplied standard with two pictogram films per face, for direction selection
- Universal AC input: two-wire 120 to 347VAC; standard DC input: two-wire 6 to 24VDC
- Energy efficient – consumes less than 2.5 Watts in AC or DC-remote mode
- Self-Powered models come standard with auto-test 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)
- Meets or exceeds CSA 22.2 No. 141-15

See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)

### TYPICAL SPECIFICATIONS

Supply and install the **Lumacell® LH Series** of pictogram Exit 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 face plate 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 Exit 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 120 minutes 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 Exit Sign shall Meets or exceeds CSA 22.2 No. 141-15.

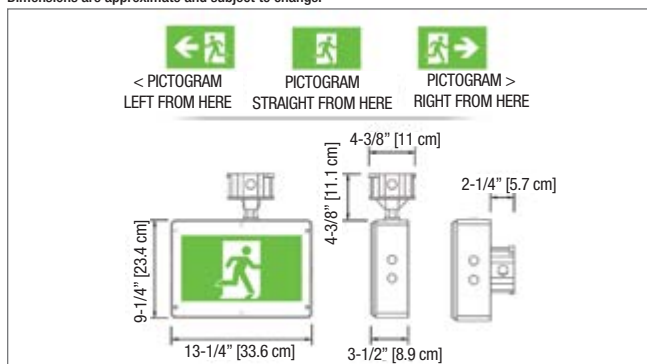
The equipment shall be Lumacell® Model: \_\_\_\_\_.

### POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		DC SPECS	
AC-only	120 to 347VAC	Less than 2.5 W	-	-
AC/DC standard	120 to 347VAC	Less than 2.5 W	6 to 24VDC	Less than 1 W
AC/Special DC	120 to 347VAC	Less than 2.5 W	36, 48, 120VDC	Less than 2.5 W
Two-wire 120V AC/DC	120VAC	Less than 2.5 W	120VDC	Less than 2.5 W
Auto-test	120 / 347VAC	Less than 3.5 W	Ni-Cd battery	Min. 120 mins.

### DIMENSIONS

Dimensions are approximate and subject to change.



### IN THE SAME FAMILY: CLASS 1, DIV. 2

- LHC Series Pictogram Exit Sign
- RG-HZ Series Battery Unit
- MQM-HZ Series Remote Fixtures

### ORDERING INFORMATION

SERIES	FACES	HOUSING COLOUR	VOLTAGE	OPTIONS
LH= pictogram Exit Sign	1= single face, ceiling or wall mount 2= double face, ceiling mount only	G= grey	SD= Self-Powered, auto-test, non-audible, Ni-Cd, 120/347VAC SD2= Self-Powered, auto-test, non-audible, Ni-Cd, 120/277VAC U= universal 120 to 347VAC; 6 to 24VDC U00= 120 to 347VAC only U36= 120 to 347VAC; 36VDC U48= 120 to 347VAC; 48VDC U120= 120 to 347VAC; 120VDC 2120= 2-wires 120VAC/VDC NEX= NEXUS® system interface, 120/347VAC* NEXRF= wireless NEXUS® System interface, 120/347VAC*	CW= cold weather (-20°C for SD, SD2 and NEXUS®, -40°C for universal model) U9= arrow up D9= arrow down U4= arrow up 45° D4= arrow down 45°

EXAMPLE: LH1GU