



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

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.

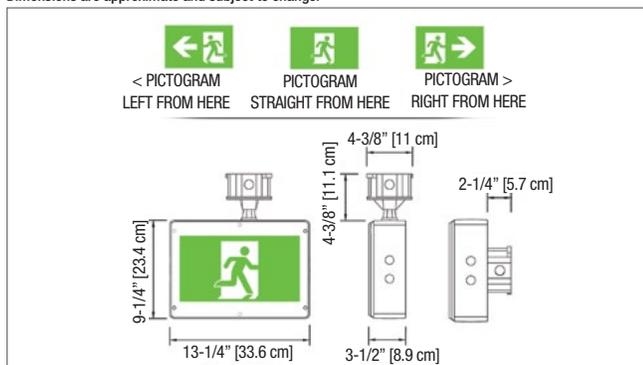
The equipment shall be **Lumacell®** Model: _____.

POWER CONSUMPTION AND UNIT RATING

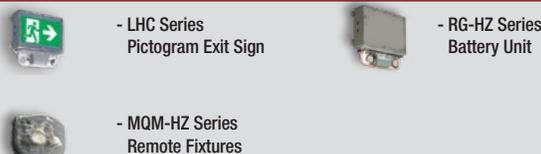
| MODEL | AC SPECS | | DC SPECS | |
|---------------------|---------------|-----------------|----------------|-----------------|
| AC-only | 120 to 347VAC | Less than 2.5 W | - | - |
| AC/DC standard | 120 to 347VAC | Less than 2.5 W | 6 to 24VDC | Less than 1 W |
| AC/Special DC | 120 to 347VAC | Less 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



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 | 2120= 2-wires 120VAC/VDC NEXRF= wireless NEXUS® System interface, 120/347VAC ¹ 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 | 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° |

¹Not all options are available with NEXUS® system. Please consult your sales representative.

EXAMPLE: LH1GU