



# LHC Series

Pictogram Combo,  
Hazardous Locations:  
Class I Div 2, Class II Div 1&2  
and Class III

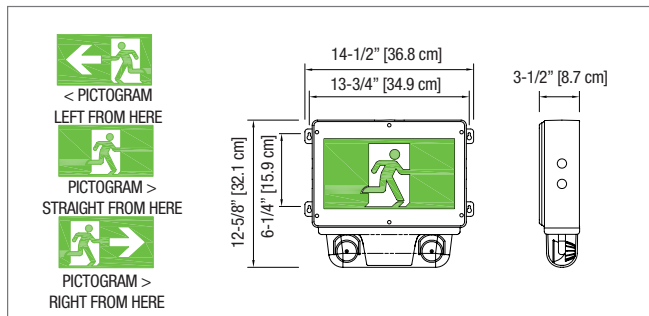


## FEATURES

- Certified 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
- Certified temperature Codes for several types of emergency lamps
- Polyvinyl chloride frame, with built-in gasket to prevent water infiltration
- Heavy-duty 1/8-inch thick aluminum back plate with key-holes for wall-mount installation
- Sealed, polycarbonate vandal-resistant faceplate
- Legend illuminated by long-life white LEDs is warranted for 10 years
- Comes standard with two pictogram films for direction selection
- Two LED lamps shielded by a clear polycarbonate cover
- Sealed, maintenance-free Lead-Calcium or Nickel-Cadmium batteries
- Comes standard with auto-test, non audible
- Remote load capacity: covers with LED lights 200 ft up to 500 ft of egress illumination
- Cold-weather option: -40°C (-40°F) with only 14W extra power consumption
- Auto-testing capabilities (specific load requirements)
- Meets or exceeds CSA C22.2 No.141-15  
**See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)**

## DIMENSIONS

Dimensions are approximate and subject to change.



## TYPICAL SPECIFICATIONS

Supply and install **Lumacell® LHC Series** combination emergency light battery unit and pictogram sign. Designed specifically for hazardous locations, the equipment frame shall be of industrial grade polyvinyl chloride with gaskets around both sides of the frame contour. The back plate shall be made of 1/8-inch thick aluminum sheet and shall include knock-outs for installation on an electrical box and four keyholes for alternative installation on a wall surface. The faceplate shall be constructed of heavy-duty vandal-resistant clear polycarbonate and feature a uniformly illuminated pictogram legend. The unit 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 unit shall have attached a lower compartment containing two emergency heads with adjustable swivels and long-life LED lamps of \_\_\_ V and \_\_\_ W. The heads shall be installed on a shield housing made of cast aluminum and protected by a shock-absorbent, clear polycarbonate cover.

The standard AC input voltage shall be 120/347VAC. The equipment shall be equipped with a magnetic test switch and one LED pilot light protected by the face plate. The unit shall perform auto-test function managed by a micro-controller and shall automatically self-test for one minute every 30 days, 10 minutes in the 6th month and 30 minutes annually. When a fault is detected, the bi-color pilot light shall turn from green to red and flash following a particular code. The code description shall be displayed on a label next to the pilot light to identify the failure type: battery, charger circuitry, LED lights for the signage, or emergency lights.

The combination unit shall be CSA 22.2 No.141-10 certified and No.137-M1981 for Class I Division 2 Groups A, B, C and D, Class II Division 1&2 Groups E, F and G as well as Class III.

The combination unit shall be **Lumacell®** model: \_\_\_\_\_.

## TEMPERATURE CODES

LAMP RATING	TEMPERATURE CODE	MAX. TEMPERATURE	REPLACEMENT PART NUMBER
6W MR16 LED	T4	135°C (275°F)	500.0106
6V-4W LED	T4A	120°C (248°F)	580.0097
12V-4W LED	T4A	120°C (248°F)	580.0093
12V-5W LED	T4A	120°C (248°F)	580.0104

## POWER CONSUMPTION

MODEL	AC SPECS	EMERGENCY POWER FOR LAMPS					
		30 min.	1 hr.	1.5 hrs.	2 hrs.	4 hrs.	
Pictogram sign module	120/347VAC	Less than 2.5W	-	-	-	-	-
LHC-6L36	120/347VAC	0.10/0.03A	36	21	15	12	-
LHC-6L36-CW		0.25/0.08A	36	-	-	-	-
LHC-6N36		0.10/0.03A	36	30	20	16	8
LHC-6N36-CW		0.25/0.08A	36	-	-	-	-
LHC-12N60		0.18/0.06A	60	40	30	20	10

## ORDERING INFORMATION

SERIES	HOUSING COLOUR	BATTERY TYPE AND POWER	HEAD STYLE AND WATTAGE	OPTIONS
LHC= pictogram combo	G= grey	<b>6L36</b> = 6V-36W, Lead-Calcium <b>6N36</b> = 6V-36W, Ni-Cd <b>12N60</b> = 12V-60W, Ni-Cd	<b>Blank</b> = No head <b>LD1</b> = MR16 LED, 6V-4W <b>LD2</b> = MR16 LED, 6V-5W <b>LD7</b> = MR16 LED, 12V-4W <b>LD9</b> = MR16 LED, 12V-5W <b>LD10</b> = MR16 LED, 12V-6W	<b>Blank</b> = auto-test, non audible (standard) <b>ZC</b> = 120/277VAC input <b>AT</b> = auto-test (audible) <b>NEX</b> = NEXUS® system interface* <b>NEXRF</b> = wireless NEXUS® system interface* <b>CW</b> = cold weather -40°C (only 6V units) <b>T3</b> = time delay (15 minutes) <b>U9</b> = arrow up <b>D9</b> = arrow down <b>U4</b> = arrow up 45° <b>D4</b> = arrow down 45°

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



EXAMPLE: LHC6N36LD1