



LHZ Series



new product

High-performance unit equipment for hazardous locations. Class I, Div. 2, Groups A, B, C, & D; Class II, Div 2, Groups F & G, Class III



FEATURES

- Evaluated to CSA C22.2 No.141-15 and No.137-M1981 for use in hazardous locations: Class I Division 2, Groups A, B, C and D; Class II Division 2, Groups F and G and Class III
- Nema-4X protection grade against liquids and dust
- Fiberglass light-grey housing with captive screws; stainless steel hardware
- High ambient temperature up to 50°C (122°F); optional cold-weather -40°C to 50°C (-40°F to 122°F)
- High-temperature Lead-Calcium battery
- High-efficacy LED emergency heads outperform traditional 50W halogen lamps.
- Innovative lamp design: four-LED and dual-driver provide illumination even in case of unexpected component failure
- Compact size: 0.46 cubic feet
- Simple and easy to install on walls, columns or struts on vertical position. For installation on columns use mounting bracket catalogue number: PMK1-L (order separately).
*See warning in installation drawing below
- Standard infra-red remote control included in all models: allows testing the equipment without the need to climb a ladder. Distance range up to 30 ft. universal, one remote control may test all the units on the job.
- Optional audible or non-audible auto-test
- Optional Nexus® central monitoring system
- Auto-testing capabilities (specific load requirements)
- 1 Year limited warranty

See warranty details at: www.tnb.ca/en/brands/lumacell

TYPICAL SPECIFICATIONS

Supply and install **Lumacell® LHZ Series** of battery unit equipment. The unit enclosure shall have a compression-molded fiberglass construction and shall be equipped with a hinged, overlapping cover. The cover shall include a 3/16" wide rubber gasket and shall fasten with two stainless-steel captive screws. The enclosure shall have lateral flanges with holes for easy installation on the wall and shall include two entries for vertical and horizontal conduit and wire access. The installation kit shall include two cable glands of size 1/2" NPT, rated for hazardous locations. The emergency lighting heads shall be installed at the bottom of the cabinet and have the electrical cable passing through the swivel via water-tight bushings. The heads shall be made of die-cast aluminum and have a flat square lens made of UV-stabilized clear polycarbonate. The lens shall be sealed with a rubber gasket and be fixed with an aluminum frame and 6 (six) tamper-proof screws. Each head shall include four (4) LED lamps and two independent LED drivers with electrical connections allowing for lighting even in case of unexpected component failure. Each emergency head shall have an input voltage range of 12 – 24Vdc and a constant power regulation, providing stable illumination during variations of the battery discharge voltage.

When specified, the unit equipment with Auto-Diagnostic option shall execute automatic tests for one minute every 30 days, 10 minutes every sixth month and 30 minutes every 12 months. In case of a functional failure detection: the unit equipment pilot light shall change color from green to red and signal a service alarm with specific flashing codes: battery or lamp disconnect, battery failure, charger failure, lamp failure, or heater failure (cold-weather option). A label installed near the pilot shall contain the legend with diagnostic codes. The unit equipment shall come standard with an infrared remote test control.

The unit equipment shall be rated NEMA-4X for hose-down applications. The equipment shall be cUL listed to CSA22.2 Standard No.141-15 and No.137-M1981 for hazardous locations: Class I Division 2, Groups A, B, C and D; Class II Division 2, Groups F and G and Class III .

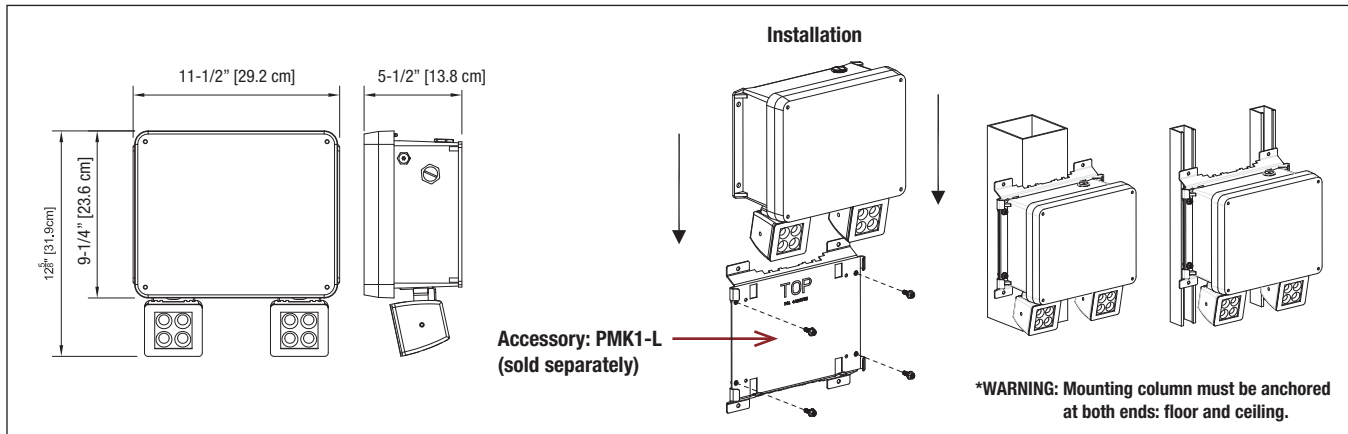
The unit shall be **Lumacell®** catalog number _____.

REMOTE TEST CONTROL



DIMENSIONS

Dimensions are approximate and subject to change.





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CLASSIFICATION FOR HAZARDOUS LOCATIONS

TYPE OF EMERGENCY HEADS	CLASSIFICATION	TEMPERATURE CODE	
		TA = 40°C	TA = 50°C
L15	Class I Division 2 Groups A, B, C and D	T3C	T3A
	Class II Division 2 Groups F and G; Class III	T5	T5
No Heads	Class I Division 2 Groups A, B, C and D	T4A	
	Class II Division 2 Groups F and G; Class III	T6	

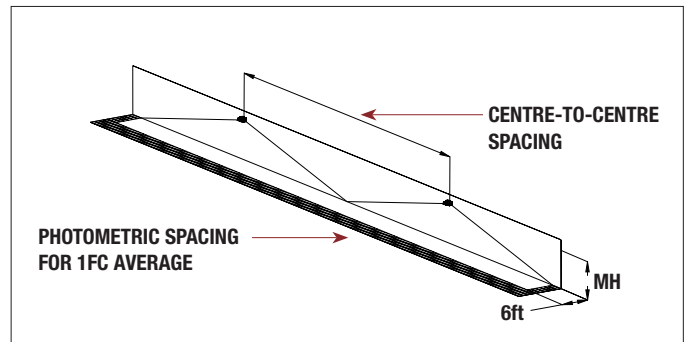
PHOTOMETRY PERFORMANCE

Whether installed indoors or outdoors, the **LHZ Series** of LED emergency lights deliver a stable and consistent illumination on the path of egress for a wide range of mounting heights.

LED LAMP	POWER (W)	TOTAL LUMENS	OUTPERFORMS THE INCANDESCENT LAMPS
L15	15W	1320	50W MR16-IR Halogen

Industrial environment: wall mounted equipment, reflectances: 10/10/10; 6-ft wide illumination path. Illumination as per NFPA101; Average: 1fc; Min: 0.1fc; Max/min < 40:1

MOUNTING HEIGHT	SPACING CENTRE-TO-CENTRE (FEET)
	LAMP L15 / 15W, 1300LM
10 ft	140
15 ft	135
20 ft	130
25 ft	120
30 ft	110



POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS			WATTAGE CAPACITY				
	120VAC	277VAC	347VAC	30MIN	1H00	1H30	2H00*	4H00*
1275	0.20A	0.10A	0.07A	75	40	30	24	15
24150	0.37A	0.18A	0.12A	150	80	60	48	30
1275-CW	0.40A	0.25A	0.15A	75	40	30	N/A*	N/A*
24150-CW	0.50A	0.25A	0.20A	150	80	60	N/A*	N/A*

*Note: the cold-weather option is only rated for maximum 90 minutes

ORDERING INFORMATION

SERIES	UNIT CAPACITY	NUMBER OF HEADS	LED LAMP TYPE	FUNCTIONS	OPTIONS
LHZ= Hazardous locations. Cl.I D2, Cl.II D2, Cl.III	1275= 12V-75W; 10°C to 50°C Amb (10°F to 122°F) 24150= 24V-150W; 10°C to 50°C Amb (10°F to 122°F)	0= No heads 1= One head 2= Two heads	L15= 12V, 24V-15W	AT= auto-test, audible ¹ ATN= auto-test, non-audible ¹ Blank= no auto-test function NEXRF= Nexus® wireless system interface ²	CW= cold-weather -40°C [-40°F] CW2= (120/277V) Cold-weather (-40°C to 50°C Amb) RFI= radio frequency interference filter (120/277VAC) RF3= radio frequency interference filter (347VAC) ¹ T3= time delay (15 minutes) ZC= 277VAC, 60Hz input ZU= 120/208/220-240V 50/60Hz input ²
				¹ Minimum lamp load required 20% of unit capacity ² For more information on Nexus®, please consult your sales representative.	¹ Not available with CW option ² 12-volt units only; not available with NEXUS® & CW PMK1-L= universal mounting bracket (sold separately)

EXAMPLE: LHZ12752L15ATT3