

New product

EHZ Series

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-E (order separately). See warning in installation drawing below
- Standard infrared **remote test control** included in all models: allows to test the equipment without the need to climb a ladder. Functional up to a distance of 30 ft. universal, one remote test control may test all units on the job.
- Optional audible or non-audible auto-diagnostic and auto-test
- Optional Nexus® central monitoring system
- 1-year limited warranty
- Advanced diagnostics capabilities (specific load requirements)
- **Warranty details at: www.emergi-lite.ca**



Typical specifications

Supply and install **Emergi-lite® EHZ 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 light 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 equipment shall be **Emergi-Lite®** model: _____.

Power consumption and unit rating

Model	AC specs			Wattage capacity				
	120VAC	277VAC	347VAC	30 min	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*

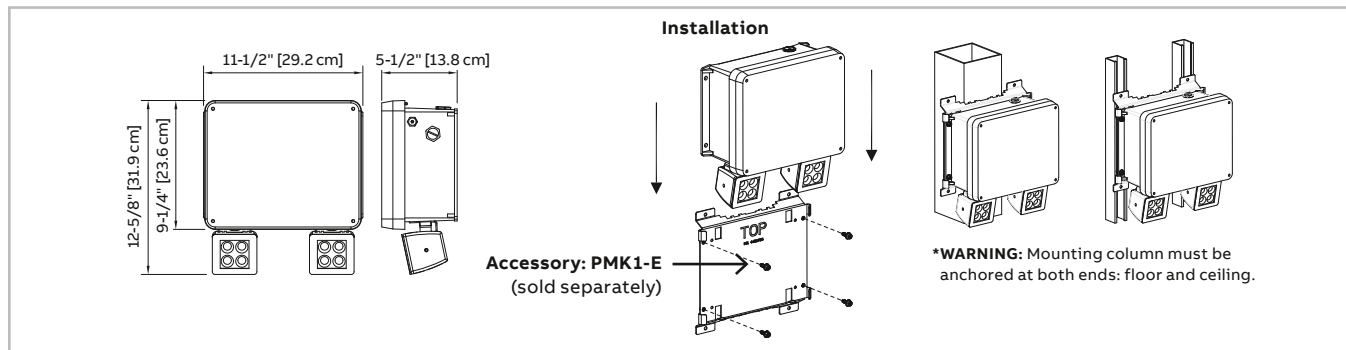
*Note: The cold-weather option is only rated for maximum 90 minutes.

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Dimensions

Dimensions are approximate and subject to change.



Classification for hazardous locations	Temperature code		
	Classification	TA= 40°C	TA= 50°C
Type of emergency heads			
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	

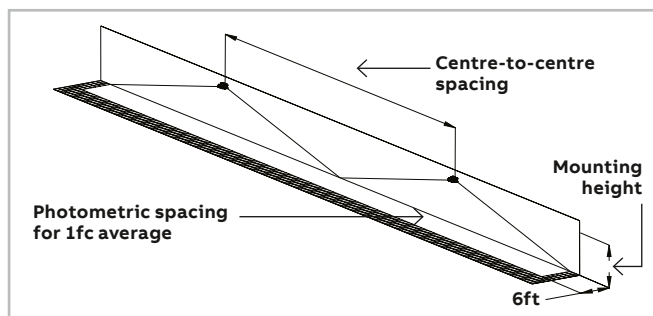
Photometry performance

Whether installed indoors or outdoors, the **EHZ 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	



Ordering information

Series	Unit capacity	# of heads	LED lamp type	Functions	Options
EHZ= 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	Blank= no auto-diagnostic function NEXRF= NEXUS® wireless system interface ¹ U= auto-diagnostic, audible UN= auto-diagnostic, non-audible	-2 = 120/277VAC input -15= 120/208/220-240V, 50/60Hz input ¹ CW= Cold-weather, 120/347V, -40°C to 50°C Amb (-40°F to 122°F) CW2= Cold-weather, 120/277V, -40 to 50°C Amb (-40°F to 122°F) D3= Time delay (15 minutes) RF1= Radio frequency interference filter 120- 277VAC RF3= Radio frequency interference filter 347VAC ² PMK1-E= universal mounting bracket (sold separately) Minimum lamp load required: 20% of unit capacity

Example: EHZ12752L15UNCW

¹For more information, please consult your sales representative

¹12V units only, not available with NEXUS® & CW
²Not available with CW option