

# 3LER-HZ Series

## Combination Unit for Hazardous Locations

### Combination Unit for Class I Zone 2 Hazardous Locations



#### Features

- Certified Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981 and class I, zone 2, Group IIC, IIB and IIA
- Certified temperature Codes for several types of emergency lamps
- Certified CSA C22.2 No141
- Certified CSA C860
- Polymeric frame, with built-in gasket to prevent water infiltration
- Heavy-duty 1/8-inch thick aluminum back plate with key-holes for secure wall-mount installation
- Sealed faceplate of heavy-duty, vandal-resistant polycarbonate
- Suited for areas with the risk flammable gases, vapors or liquids that can create an explosive atmosphere
- Exit sign module illuminated by long-life, energy-efficient AllnGap red LEDs
- Two MR16 halogen lamps, shielded by a cast aluminum housing and a polycarbonate cover
- Sealed, maintenance-free, Lead-Calcium or Nickel-Cadmium batteries
- Remote load capacity
- Comes standard with self-test/self-diagnostic functions
- Comes standard with industrial-grade, die-cast Aluminum electrical box
- 1/2-inch electrical conduit entry on both sides and at the top

NEXUS



Made in Canada



#### Typical Specification

Supply and install Lumacell 3LER-HZ Series combination of unit equipment and LED exit sign. Designed specifically for hostile environments, the equipment frame shall be of industrial grade polymer 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 knockouts 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 polycarbonate and feature a uniformly illuminated legend. The light source shall be light emitting diodes (LED). Red LED technology shall be **AllnGap**. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination.

When specified, the equipment shall have attached a lower compartment containing two emergency lights with adjustable swivels and long-life MR-16 halogen lamps of \_\_\_ V and \_\_\_ W. The lamps shall be

shielded by cast aluminum housing and protected by a shock-absorbent, transparent polycarbonate cover. The equipment shall be certified for Hazardous Locations: Class I Division 2 Groups A, B, C and D. The standard AC input voltage shall be: 120/347Vac. The equipment shall be equipped with a magnetic test switch located behind the face plate and two LED pilot lights: AC-on and "Service required". The unit shall include self-testing/self-diagnostic functions monitored 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. The "Service required" LED shall light when a fault is detected. A four-LED diagnostic display located inside the equipment shall identify the source of the failure (battery, charger circuitry, or lamp load).

The exit sign module shall be CSA-C860 approved.

The combination unit shall be Lumacell Model:

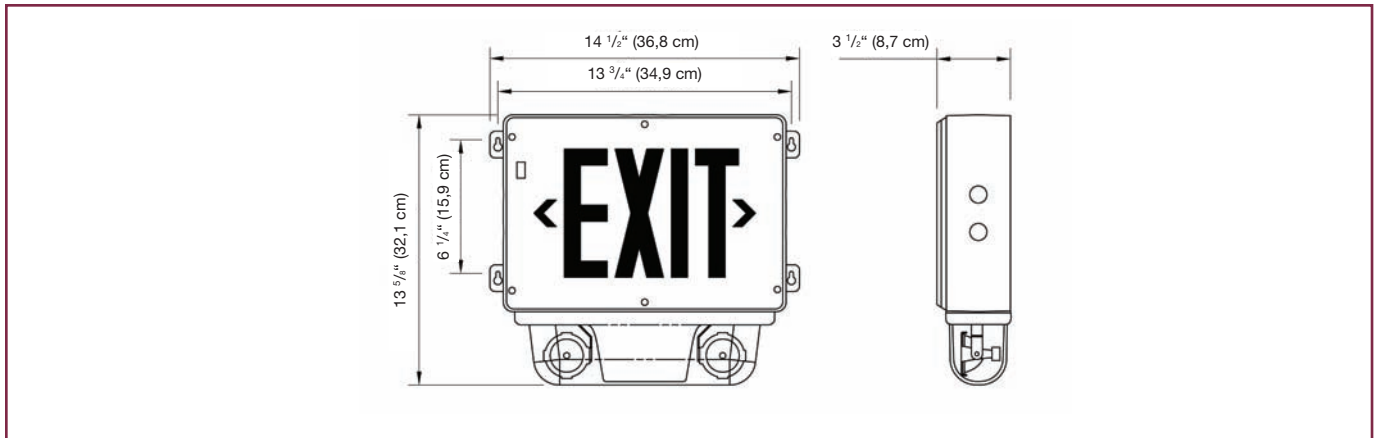
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Project/Location		Date
Contractor		Prepared by
LUMACELL Model		



## 3LER\*HZ SERIES

### Dimensions



### Wire Guard

460.0078-L	Wall Mount
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### Temperature Codes

Lamp Rating	Temperature Code	Max. Temperature	Replacement part #
6V 10W	T3C	160 °C	580.0079
12V 12W	T3A	180 °C	580.0080
12V 20W	T2D	215 °C	580.0068

### Power Consumption

Model	AC Specs		Wattage Capacity				
			30 min.	1 hr.	1.5 hrs.	2 hrs.	4 hrs.
<b>3LERHZ</b>	120/347Vac	0.15/0.06 Amp	36	21	15	12	-
<b>3LERHZN</b>	120/347Vac	0.15/0.06 Amp	36	30	20	15	-
<b>5LERHZN</b>	120/347Vac	0.30/0.10 Amp	60	40	30	20	10

### Ordering Information

Series	# of Heads	Lamp/Wattage	Housing / Face Color	Voltage	Letters Color	Options
<b>3LERHZ=</b> 6V - 36W, lead acid	<b>Blank=</b> 0 heads	<b>MJ=</b> MR16, 6V - 10W	<b>GG=</b> grey/grey	<b>Blank=</b> 120/347vac	<b>Blank=</b> red letters	<b>AT=</b> auto test, audible
<b>3LERHZN=</b> 6V - 36W, NiCad	<b>2=</b> two heads	<b>MK=</b> MR16, 12V - 12W		<b>ZC=</b> 120/277vac	<b>G=</b> green letters	<b>ATN=</b> auto Test, non-audible
<b>5LERHZ=</b> 12V - 60W NiCad		<b>MW=</b> MR16 12v- 20W IR				<b>NEX=</b> Nexus® system interface

**EXAMPLE: 3LERHZ2MJGGAT**