

Type: \_\_\_\_\_  
 Project/Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Model No.: \_\_\_\_\_



## TUFHZ SERIES

LED Exit Sign, Hazardous Locations: Class I Div 2, Class II Div 1 & 2 and Class III

### TYPICAL SPECIFICATIONS

Supply and install **Ready-Lite® TUFHZ Series** LED Exit Signs. The equipment shall operate with universal two-wire AC input voltage from 120VAC to 347VAC at less than 3W and universal two-wire DC input voltage from 6VDC to 48VDC at less than 2W for single and double face signs. Designed specifically for hostile environments, the equipment frame shall be of industrial grade high impact thermoplastic with a gasket around lenses and canopy. The faceplate(s) shall be constructed of heavy-duty vandal-resistant polycarbonate and feature an even illuminated legend. The light source shall be light emitting diodes (LED). Red LED technology shall be **ALINGAP**. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination. The equipment shall be certified for Hazardous Locations: 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, with the temperature code T6 (maximum 85°C). The equipment shall be designed specifically for high abuse areas, wet location, and cold weather -20°C applications. The Self-Powered model shall stay illuminated during emergency operation for at least 90 minutes upon AC failure and shall include a magnetic test switch and self-testing/self-diagnostic functions. The equipment shall automatically self test for 5 minutes every 30 days, 30 minutes every 60 days and 90 minutes annually. A "Service required" lamp shall be located near the test switch and flash when a fault is detected. A two-LED diagnostic display shall be located inside the equipment and shall identify the eventual source of failure (battery, charger circuitry, or LED lamps).

The Exit Sign shall be CSA-C860 approved and meets CSA 22.2 No. 141.

The equipment shall be **Ready-Lite®** Model: \_\_\_\_\_

| HAZARDOUS LOCATION FAMILY CLASS I, II AND III                                     |   |   |   |  |
|---|---|---|---|--|
|  |  |  |  |  |
| RH P. 68  | RHC Combo P. 70-71  | HZ Combo P. 72-73   | LDX-HZ Battery P. 130-131   | NMHZ Remote P. 164   |

### WIRE GUARDS

|             |               |
|-------------|---------------|
| 460.0080-RL | wall mount    |
| 460.0060-RL | ceiling mount |

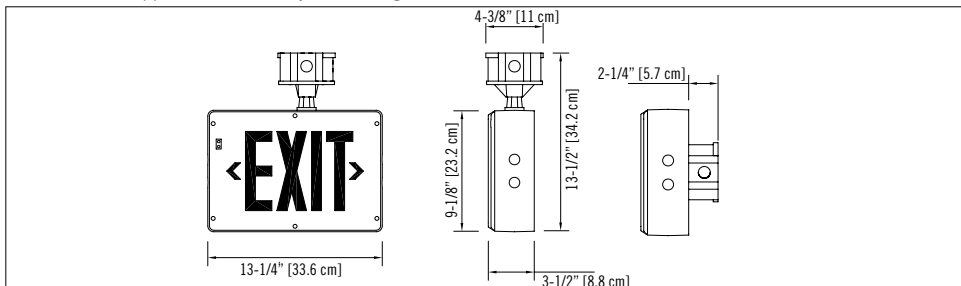
### POWER CONSUMPTION AND UNIT RATING

| MODEL                   | AC SPECS      |              | DC SPECS               |                 |
|-------------------------|---------------|--------------|------------------------|-----------------|
| AC/DC red               | 120 to 347VAC | less than 3W | 6 to 48VDC             | less than 2W    |
| AC/DC green             | 120 to 347VAC | less than 3W | 6 to 48VDC             | less than 2W    |
| Self-Powered red        | 120 to 347VAC | less than 3W | nickel-cadmium battery | min. 90 minutes |
| Self-Powered green      | 120 to 347VAC | less than 3W | nickel-cadmium battery | min. 90 minutes |
| 120VAC/VDC 2 wires, red | 120VAC        | less than 3W | 120VDC                 | less than 3W    |

Note: double face models have double the power consumption above.

### DIMENSIONS

Dimensions are approximate and subject to change.



### ORDERING INFORMATION

| SERIES           | FACES/MOUNTING  | AC VOLTAGE  | HOUSING/FACEPLATE COLOUR | VOLTAGE   | OPTIONS  |
|------------------|---|---|--------------------------|---|--|
| TUFHZ= exit sign | -1= single face, ceiling or wall mount<br>-2= double face, ceiling mount only | <b>Blank</b> = 120VAC (L120-2W only)<br><b>-U</b> = universal, 120-347VAC | <b>GG</b> = grey/grey    | <b>-DC</b> = universal 120-347VAC, 6-48VDC<br><b>-SPD</b> = Self-Powered, auto-diagnostic, non-audible Ni-Cd, 120 to 347VAC<br><b>-L120-2W</b> = 120VAC, 120VDC, 2 wires (AC only)<br><b>-NEX</b> = NEXUS® system interface*<br><b>-NEXRF</b> = wireless NEXUS® system interface*<br><small>*Not all options available with NEXUS® System. Please consult your sales representative</small> | <b>Blank</b> = red legend<br><b>CW</b> = cold weather -20°C Self-Powered only<br><b>G</b> = green legend |

EXAMPLE: TUFHZ-2-UGG-DC

### FEATURES

- Includes the addition of Class II Div 1&2 Groups E, F and G as well as Class III ratings
- Certified Class I Zone 2, Groups IIA, IIB and IIC
- Certified Class I Div 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Temperature Code: T6 (maximum 85°C as per Canadian Electrical Code, Part I and CSA C22.2 No.137-M1981)
- CSA certified, meets or exceeds CSA 22.2 No. 141 requirements
- Input voltages: 120 to 347VAC universal AC input; 6 to 48VDC universal DC input
- High impact thermoplastic frame, with built-in gasket to prevent water infiltration
- Suited for areas with the risk of presence of flammable gases, vapors or liquids able to create an explosive atmosphere
- Sealed, polycarbonate faceplate of heavy-duty, vandal-resistant
- Tamper-resistant, hermetically sealed magnetic test switch
- Auto-diagnostic circuitry is standard on Self-Powered models
- Batteries recharge as per CSA requirements and provide 90 minutes of emergency operation
- Long-life, energy-efficient **ALINGAP** red LED light source
- Energy efficient – consumes less than 3W in AC or DC mode
- Comes standard with industrial-grade, Die-Cast aluminum electrical box
- Suitable for cold weather: -20°C (Self-Powered model, "CW" option) and -40°C (AC only and AC-DC models)