



EXP LED "Sortie" Series

Battery Units,
Self-Powered "Sortie" Signs
Combination Units

CSA certified for use in hazardous locations

The EXP LED "SORTIE" Series of battery equipment is designed to cover emergency lighting applications for the entire spectrum of hazardous locations, where inflammable gases, vapors, liquids, dust particles or fabrics tissues are permanently present or are likely to exist.

The EXP LED "SORTIE" Series combines in one simple-to-order catalogue family three traditional emergency lighting products with battery back-up: battery units with emergency lights, Self-Powered Sortie Signs, and combination units with emergency lights and Sortie Sign. The equipment is also available with additional emergency power capacity to drive remote heads and Sortie Signs.

FEATURES

- CSA Certified for use in hazardous locations:
 - Class I, Division 1, Groups B, C, D
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Divisions 1 and 2, Groups E, F, G
 - Class III, Divisions 1 and 2
- For wall mount only
- Die-Cast aluminum body with grey epoxy powder coat finish; clear, impact and heat resistant prismatic glass globe
- Long life, maintenance-free lead-calcium battery
- Battery charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected
- Emergency heads with one or twin lamp design
- Large Self-Powered sortie (combo) includes a transfer circuit to drive three (3) LED-based remote Exit Signs (total power max 15W)
- New, easy-to-build catalogue number based on the **Emergi-Lite®** Severity Codes
- Meets or exceeds CSA C22.2 No.141-10 & No. 137
See warranty details at: <http://www.tnb.ca/en/brands/emergi-lite/>

TYPICAL SPECIFICATIONS

Supply and install the **Emergi-Lite® EXP LED SORTIE Series** of hazardous location battery unit equipment. The battery unit housing will be constructed of die cast aluminum with grey epoxy powder coat finish and equipped with heavy-duty key holes for wall mount. The equipment shall be rated for 120, 277 or 347V, 60 Hz input and be CSA listed. The equipment shall have an output of _____ V and _____ W and shall supply the rated load for a minimum of a 1/2 hour to 87,5% of the rated battery voltage. The battery shall be a long-life, maintenance-free lead-calcium type. The charger shall be fully computer tested and have its charge voltage set in the factory to ± 1% tolerance. The charger shall be current limited, temperature compensated, shortcircuit proof and reverse polarity protected. The charger shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit.

Where required the equipment shall come complete with _____ heads, each of them equipped with _____ lamp(s) of _____ W. The head housing shall be Die-Cast aluminum with grey epoxy powder coat finish. The lenses shall be a clear, impact and heat resistant prismatic glass globe. The head shall be factory sealed, with no need for external seals.

Where required the equipment shall come complete with one Exit Sign and will include a transfer circuit to maintain the Exit Sign permanently lighting in both normal and emergency operation. The exit housing shall be industrial grade 14-gauge steel and finished in grey enamel. The faceplate will be constructed of heavy-duty 14-gauge steel.

The equipment shall be certified CSA C22.2 No.137-M1981 for Hazardous Locations: Class _____, Division _____, Group _____ with the temperature code _____.

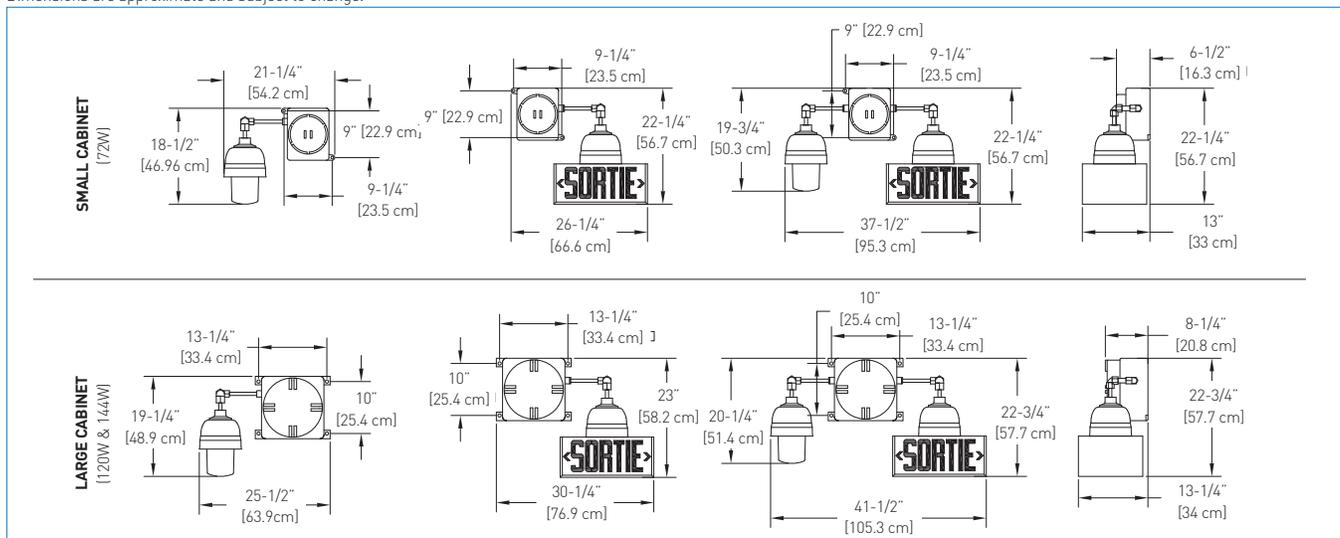
The Sortie Sign shall be CSA C22.2 No.141-10 certified.

The equipment shall be **Emergi-Lite®** Model: _____.



DIMENSIONS

Dimensions are approximate and subject to change.



EXP LED "Sortie" Series

Battery Units,
Self-Powered "Sortie"
Signs Combination Units



POWER CONSUMPTION AND UNIT RATING

UNIT CAPACITY	AC SPECS		WATTAGE CAPACITY				
	INPUT VOLTAGE	INPUT RATING	30MIN	1H	1H30	2H	4H
12V-72W*	120V, 60Hz	0.25A, 25W	72	36	25	20	10
	277V, 60Hz	0.125A, 28W					
	347V, 60 Hz	0.115A, 28W					
12V-120W	120V, 60Hz	0.45A, 37W	120	60	40	30	15
	277V, 60Hz	0.209A, 42W					
	347V, 60 Hz	0.176A, 42W					
24V-144W	120V, 60Hz	0.465A, 38W	144	72	50	40	20
	277V, 60Hz	0.208A, 42W					
	347V, 60 Hz	0.178A, 42W					

* Combo, no remote Exit capability.

TEMPERATURE CODES: MEASURED AT 40°C AMBIENT

Explosion-proof equipment is composed of one or more modules, each of them qualified for a specific temperature code. The temperature code of the complete equipment (enclosure + sortie sign + emergency heads) is defined as the most severe of the temperature codes identified for each of the modules below.

TEMPERATURE CODES FOR EXP-P SERIES (Battery & sign combination units)

SEVERITY CODE	S1	S2	S3	S4
TEMPERATURE CODE	T6 85°C [185°F]	T6 85°C [185°F]	T6 120°C [248°F]	T6 85°C [185°F]

EXP SEVERITY CODE SELECTION CHART

ENVIRONMENT	SEVERITY CODE
Cl. I, Div. 1 & 2, Gr. B	S1
Cl. I, Div. 1, Gr. C, D	S2
Cl. I, Div. 2, Gr. A, B, C, D	S3
Cl. II, Div. 1 & 2, Gr. E, F, G & Cl. III	S4

EXP

SERIES	CAPACITY	A.C VOLTAGE	OPTIONS	SIGN/FACE	HEAD STYLE	SEVERITY CODE	LAMP TYPE, VOLTAGE & POWER
12EXP= 12V	72= 72W ¹ 120= 120W	Blank= 120VAC -2= 277VAC input -3= 347VAC input	Blank= No options D= Time delay (15 min.) TS= Transfer switch ¹	Blank= No sign S1= Single face LED "SORTIE" S2= Double face LED "SORTIE"	Blank= No heads /11= Single remote, 1 lamp /12= Single remote, 2 lamps /21= Double remote, 1 lamp each ¹	S1= Cl.I, Div.1&2, Gr.B S2= Cl.I, Div.1, Gr. C, D S3= Cl.I, Div.2, Gr. A, B, C, D S4= Cl.II, Div.1&2, Gr. E, F, G & Cl.III	Blank= No lamp LG= 12V-4W MR16 LED LI= 12V- 5W MR16 LED LJ= 12V-6W MR16 LED LL= 24V-4W MR16 LED
24EXP= 24V	144= 144W						

¹ Combo, no remote Exit capability

¹ Not available with 12V-72W

¹ Not available with sortie sign

EXAMPLE: 12EXP72-2S1/11S1LG