



# EXP Series

Battery unit, exit sign and combination unit

Project/Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

Prepared by: \_\_\_\_\_

## Features

- CSA certified for hazardous locations:
  - Class I, Divisions 1 and 2, Groups B, C, D
  - Class II, Divisions 1 and 2, Groups E, F, G
  - Class III, Divisions 1 and 2
- 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; charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected
- Emergency lamp heads with one or twin lamp design
- Self-powered exit sign (combo) includes a transfer circuit to drive four LED exit signs
- Exit sign light source is **AllnGaP** LEDs
- Exit sign is CSA C860 certified
- The self-powered version is also CSA C22.2 No. 141 certified
- New, easy-to-build catalogue number, based on the Emergi-Lite severity codes
- Also available as remote exit signs and remote lamp heads; refer to the RFX-CS et RFX catalogue sheets



## Typical Specification

Supply and install the Emergi-Lite **EXP Series** of hazardous location battery equipment. The housing shall be constructed of die-cast aluminum with grey epoxy powder coat finish. The equipment shall be rated for 120, 277 or 347 volts, 60 Hz input and be CSA certified. The equipment shall have an output of \_\_\_\_\_ volts and \_\_\_\_\_ watts and shall supply the rated load for a minimum of 30 minutes 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 a  $\pm 1\%$  tolerance. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The charger shall be supplied with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit which will activate the emergency lamp heads when the utility power dips below 75% of nominal voltage. Where required, the equipment shall be supplied complete with \_\_\_\_\_ lamp heads, each of them equipped with \_\_\_\_\_ lamp(s) of \_\_\_\_\_ watts. The lamp head housing shall be die-cast aluminum with grey epoxy powder coat finish. The lenses shall consist of a clear, impact and heat resistant prismatic glass globe. The lamp head shall be factory sealed, with no need for external seals. Where required, the equipment shall include one exit sign and a transfer circuit to maintain the exit sign permanently lighting in both normal and emergency operation. The exit housing shall be 14-gauge steel and finished in grey enamel. The faceplate shall be constructed of heavy-duty 14-gauge steel and feature universal directional knockout chevrons and the letters shall be red, not less than 6" (150mm) in height with a 3/4" (19mm) stroke. The light source shall use **AllnGaP** LEDs and shall consume less than 5 watts in either AC or DC mode.

The exit sign shall be suitable for Class \_\_\_\_\_, Division \_\_\_\_\_, Group \_\_\_\_\_.

The exit sign shall be CSA-C860 certified.

The exit sign shall be the Emergi-Lite model: \_\_\_\_\_.

## AC Power Consumption and Battery Capacity

Model	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
06EXP36	120 or 347Vac	0.50 or 0.20 Amp	36	21	15	12	6
06EXP72			72	42	30	24	12
06EXP108			108	63	45	36	18
12EXP72			72	42	30	24	12
12EXP144			144	84	60	48	24
12EXP200			200	117	83	67	33
24EXP144			144	84	60	48	24
24EXP288			288	168	120	96	48

NOTE: Capacity in emergency mode applicable to the battery unit only (self-powered).  
For combination units or self-powered exit signs, allow 5 watts of emergency power for each exit sign.

1.

Environment	Severity Code
Cl. I, Div. 1, Gr. B	S1
Cl. I, Div. 1, Gr. C, D	S2
Cl. I, Div. 2, Gr. B, C, D	S3
Cl. II, Div. 1 & 2, Gr. E, F, G Cl. III, Div. 1 & 2	S4

2.

Certification Guide EXP (Unit with Exit Sign, no Heads – 40°C ambient)				
Severity Code	S1	S2	S3	S4
Temperature Code	T6	T6	T3C	T3C (E.G.F)
CSA/UL Rating	Max. 85°C	Max. 85°C	Max. 160°C	Max. 160°C

Certification Guide for Unit with Emergency Heads and for Remote Lighting Fixture (40°C ambient)				
Severity Code	S1	S2	S3	S4
Temperature Code	T4A	T6	T1	T3B (E.G.F)
CSA/UL Rating	Max. 120°C	Max. 85°C	Max. 450°C	Max. 165°C

Project/Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

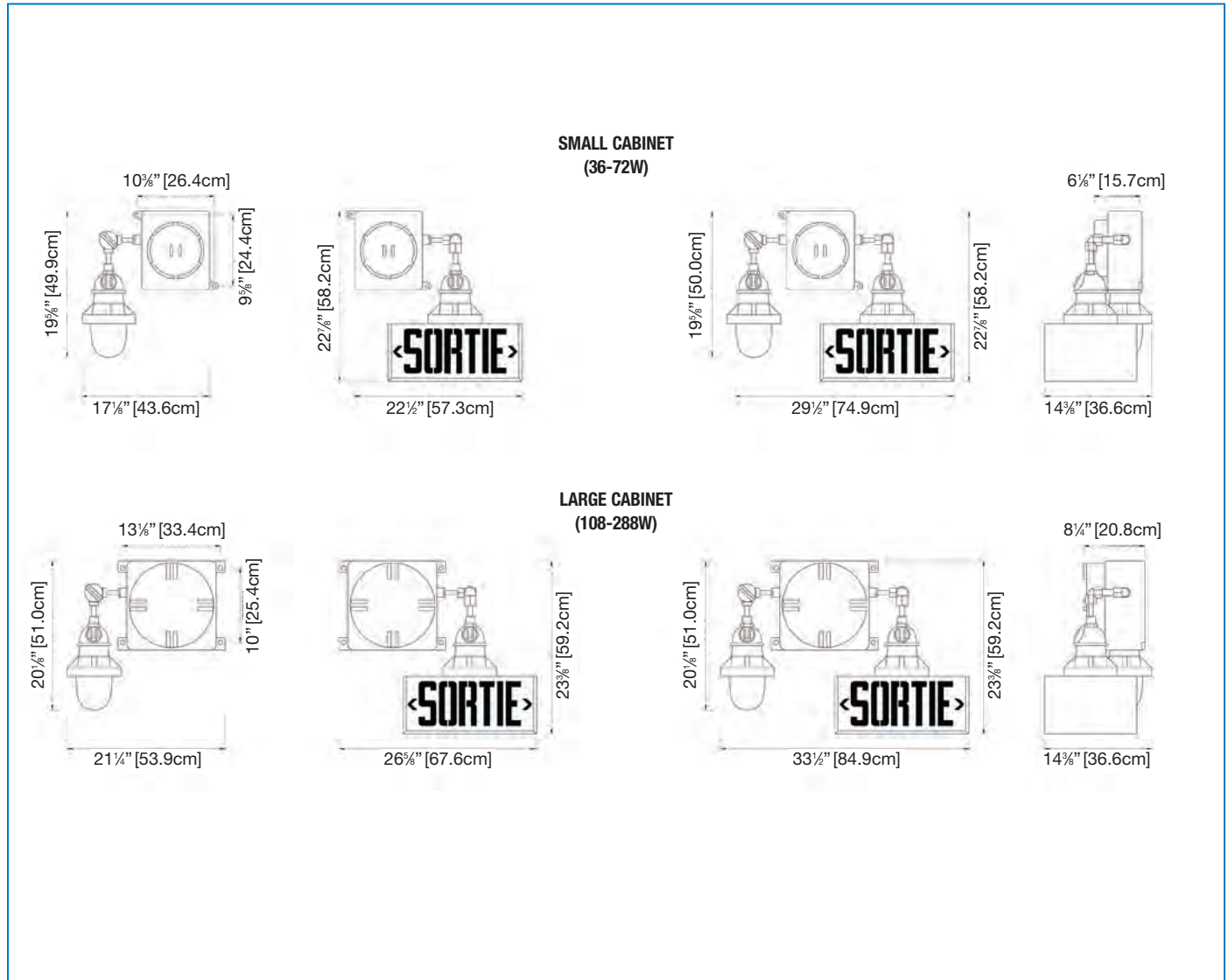
Prepared by: \_\_\_\_\_

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## Dimensions



## Ordering Information

Voltage	Series	Power	Voltage	Options	Options	Code	Halogen*
06= 6 volts	EXP	36= 36 watts 72= 72 watts 108= 108 watts	Blank= 120Vac -2= 277Vac input -3= 347 Vac input	Blank= no options D= time delay S1= SORTIE single face, C860, DEL S2= SORTIE double face, C860, DEL TS= transfert panel	Blank= no lamps /11= satellite single, 1 lamp /12= satellite single, 2 lamps /21= satellite double, 1 lamp each	S1= CL.1, Div.1, Gr. B S2= CL.1, Div.1, Gr. C, D S3= CL.1, Div.2, Gr. B, C, D S4= CL.2, Div.1, & 2 Gr.E, F, G CL.3, Div.1 & 2	12= 6V, 12V - 12 watts, halogen quartz bi-pin 20= 6V, 12V - 24 watts, halogen quartz bi-pin
12= 12 volts	EXP	72= 72 watts 144= 144 watts 200= 200 watts					
24= 24 volts	EXP	144= 144 watts 288= 288 watts					

Certain combinations are not available, please consult your sales representative.

\*Certain combination are not possible. Contact your sales representative.

EXAMPLE: 06EXP36S1/12S312