Project/Location:

Contractor:

Date:

Prepared by:

# EXP Series Hazardous Location

## Battery Units
## Self-Powered Exit Signs
## Combination Units


## Typical Specification

Supply and install the Emergi-lite **EXP Series** of hazardous locations battery equipment. The battery unit housing will 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 listed. The equipment shall have an output of _____ volts and _____ watts 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, short-circuit 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, which will activate the emergency heads when the utility power dips below 75% of nominal voltage.

Where required the equipment shall come complete with _____ heads, each of them equipped with _____ lamp(s) of _____ watts. 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 and feature universal knockout chevrons and the red letters shall not be less than 6" (150 mm) in height with a 3/4" (19 mm) stroke. The sign shall include a LED lamp with **ALINGAP** LEDs and shall consume less than 5 watts in either AC or battery mode. The exit sign shall be C860 and NRCAN/C860-01 approved.

The equipment shall be suitable for Class _____ Division _____ Group _____.

The exit sign shall be CSA-C860 and NRCAN/C860-01 approved.

The equipment shall be the Emergi-lite model: _____.

## Features

- CSA Certified for use in hazardous locations:
  Class I, Divisions 1 and 2, Groups A, 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
- Battery charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected
- Emergency heads with one or twin lamp design
- Self-powered exit (combo) includes a transfer circuitable to drive four LED-based remote exit signs
- Exit sign uses a LED lamp with ALINGAP technology
- Exit sign is CSA certified, meets or exceeds C860 requirements
- 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 fixtures; refer to the LPEX-XP and EFXPR catalogue sheets

Made in Canada

## Power Consumption

| 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 : The wattage capacity applies only to the battery unit.
For combo or self-powered EXIT signs one must allocate 5 watts of emergency poxer for each sign.

## 1.

| Environment | Severity Code |
|---|---|
| Cl. I, Div. 1, Gr. A, 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<br>Cl. III, Div. 1 & 2 | S4 |

## 2.

| Certification Guide for LPEX-XP (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 Remote Lighting Fixture (40°C ambient) | | | | |
|---|---|---|---|---|
| Severity Code | S1 | S2 | S3 | S4 |
| Temperature Code | T4A | T6 | T1 | T3C (E.G.F.) |
| CSA/UL rating | Max. 120°C | Max. 85°C | Max. 450°C | Max. 165°C |


# EXP Series Hazardous Location

## Battery Units
## Self-Powered Exit Signs
## Combination Units

Project/Location:

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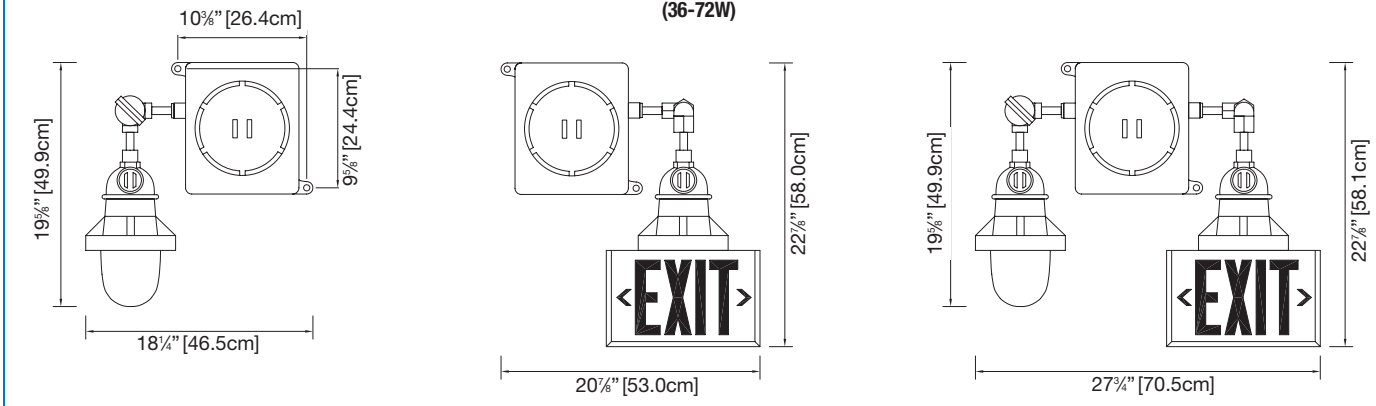
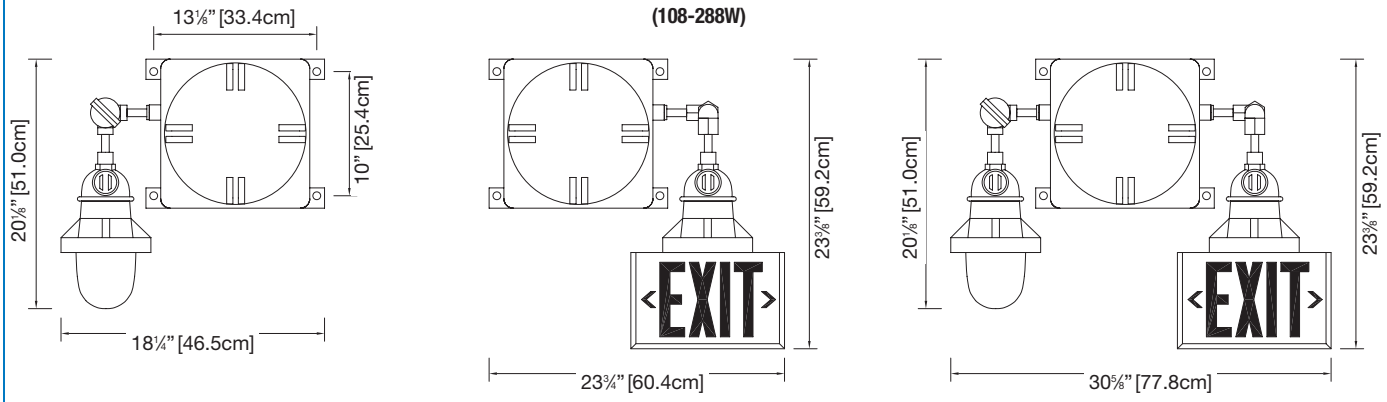
## Dimensions

**SMALL CABINET (36-72W)**




**LARGE CABINET (108-288W)**




## Ordering Information

| DC Voltage | Series | Capacity and Cabinet Size | AC Voltage | Options | Emergency Head Style | Severity Code* | Lamps |
|---|---|---|---|---|---|---|---|
| **06=** 6 volts | **EXP** | **36=** 36 watts<br>**72=** 72 watts<br>**108=** 108 watts | **Blank=** 120Vac<br>**-2=** 277Vac input<br>**-3=**347 Vac input | **Blank=** no options<br>**D=** time delay<br>**E1=** single face exit sign, C860, LED<br>**E2=** double face exit sign, C860, LED<br>**TS=** transfer switch | **Blank=** no heads<br>**/11=** single remote, 1 lamp<br>**/12=** single remote, 2 lamps<br>**/21=** double remote, 1 lamp each | **S1=** CL.1, Div.1, Gr. A, B<br>**S2=** CL.1, Div.1, Gr. C, D<br>**S3=** CL.1, Div.2, Gr. A, B, C, D<br>**S4=** CL.2, Div.1, & 2 Gr.E, F, G CL.3, Div.1 & 2<br><br>*For temperature codes,consult your sales representative. | **12=** 6V, 12V - 12 watts, halogen quartz bi-pin<br>**20=** 6V, 12V - 24 watts, halogen quartz bi-pin |
| **12=** 12 volts | **EXP** | **72=** 72 watts<br>**144=** 144 watts<br>**200=** 200 watts | | | | | |
| **24=** 24 volts | **EXP** | **144=** 144 watts<br>**288=** 288 watts | | | | | |

**EXAMPLE: 06EXP36E1/21S312**

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