

## EXP LED “Picto” Series

Battery units, self-powered pictogram signs, combination units



### Features

#### CSA certified for use in hazardous locations

The **EXP LED Pictogram 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 Pictogram 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 pictogram signs, and combination units with emergency lights and pictogram sign. The equipment is also available with additional emergency power capacity to drive remote heads and pictogram signs.

\*Comes with arrow and no arrow.

- CSA Certified for use in hazardous locations:
  - Class I, Division 1 and 2, Groups C, D
  - Class II, Division 1 and 2, Groups E, F, G
  - Class III
- 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 combo includes a transfer circuit to drive an additional three (3) remote pictogram signs (total power max 15W)
- T6 – maximum 85°C (185°F) temperature code
- Meets or exceeds CSA 22.2 No. 141-15 & No. 137
- **Warranty details at: [www.emergi-lite.ca](http://www.emergi-lite.ca)**

### Typical specifications

Supply and install the **Emergi-Lite® EXP LED Pictogram 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  $\pm 1\%$  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.

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 pictogram sign and will include a transfer circuit to maintain the pictogram sign permanently lighting in both normal and emergency operation. The picto 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 \_\_\_\_\_.

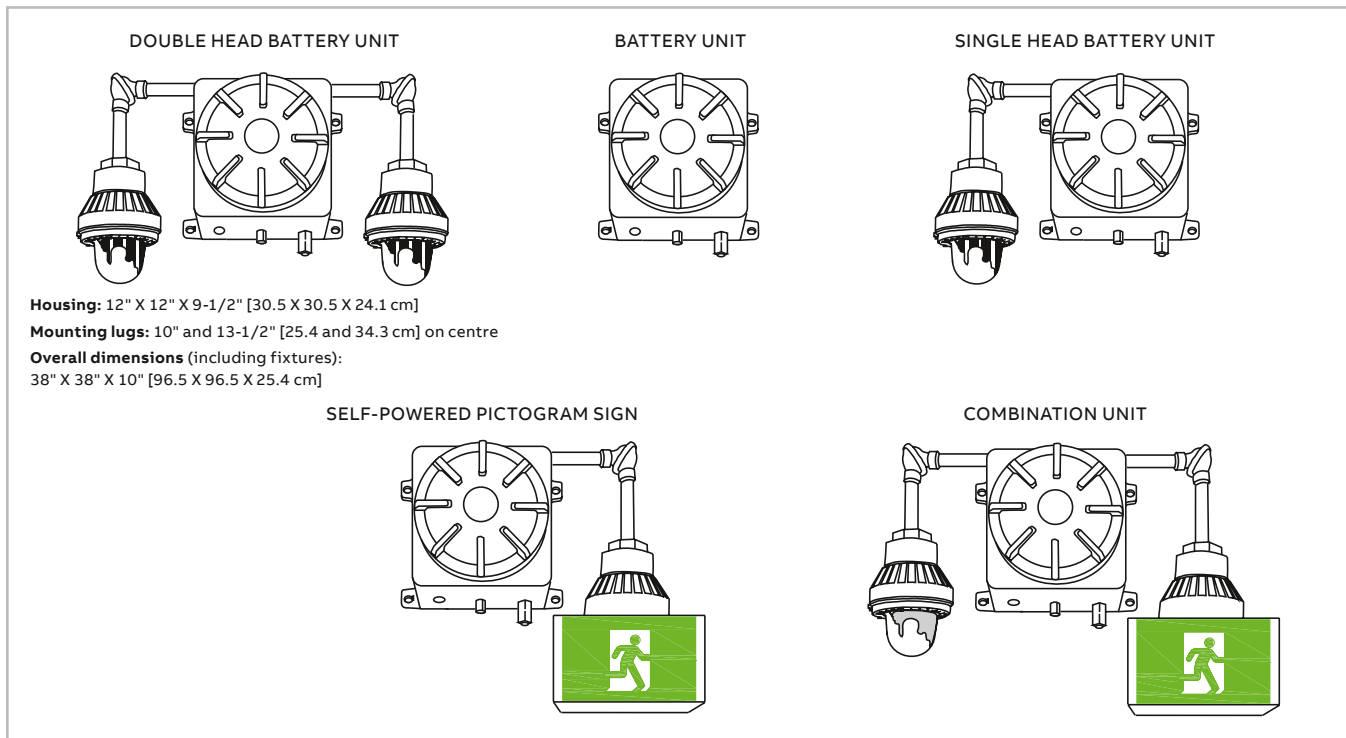
The pictogram sign shall be CSA C22.2 No.141-10 certified.

The equipment shall be **Emergi-Lite®** model: \_\_\_\_\_



**Dimensions**

Dimensions are approximate and subject to change.



**Temperature codes for EXP-P series – 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 + picto sign + emergency heads) is defined as the most severe of the temperature codes identified for each of the models below.

**Power consumption**

| Unit capacity | AC specs      |              |        | Wattage capacity |      |      |      |
|---------------|---------------|--------------|--------|------------------|------|------|------|
|               | Input voltage | Input rating | 30 min | 1H00             | 1H30 | 2H00 | 4H00 |
| 12V-120W      | 120V, 60Hz    | 0.45A, 37W   |        |                  |      |      |      |
|               | 277V, 60Hz    | 0.209A, 42W  | 120    | 60               | 40   | 30   | 15   |
|               | 347V, 60 Hz   | 0.176A, 42W  |        |                  |      |      |      |
| 24V-144W      | 120V, 60Hz    | 0.465A, 38W  |        |                  |      |      |      |
|               | 277V, 60Hz    | 0.208A, 42W  | 144    | 72               | 50   | 40   | 20   |
|               | 347V, 60 Hz   | 0.178A, 42W  |        |                  |      |      |      |

**Ordering information**

| Series                      | Capacity                               | AC voltage                 | Options                                   | Sign/face                       |
|-----------------------------|--|----------------------------|---|---------------------------------|
| 12EXP= 12V                  | 120= 120W                              | -2= 277VAC input           | Blank= no options                         | Blank= no sign                  |
| 24EXP= 24V                  | 144= 144W                              | -3= 347VAC input           | D= time delay (15 min.)                   | D4= arrow down 45° <sup>1</sup> |
|                             |  | Blank= 120VAC              | TS= transfer switch <sup>1,2</sup>        | D9= arrow down <sup>1</sup>     |
|                             |  |                            |   | P1= Single face LED pictogram   |
|                             |  |                            |   | P2= Double face LED pictogram   |
|                             |  |                            |   | U9= arrow up <sup>1</sup>       |
|                             |  |                            |   | U4= arrow up 45° <sup>1</sup>   |
|                             |  |                            | <sup>1</sup> Standard with combo.         | <sup>1</sup> Indicate P1 or P2  |
|                             |  |                            | <sup>2</sup> Not available for P1 and P2. |                                 |
| Head style                  | Severity code                          | Lamp type, voltage & power |   |                                 |
| /11= single remote, 1 lamp  | Blank= Cl.I, Div. 1 & 2, Gr. C, D      | Blank= no lamp             |   |                                 |
| /12= single remote, 2 lamps | Cl.II, Div. 1 & 2, Gr. E, F, G, Cl.III | LG= 12V-4W MR16 LED        |   |                                 |
|                             | S2= Cl.I, Div.1, Gr. C, D              | LI= 12V-5W MR16 LED        |   |                                 |
|                             |  | LJ= 12V-6W MR16 LED        |   |                                 |
|                             |  | LL= 24V-4W MR16 LED        |   |                                 |

**Example: 12EXP120DP1/11LG**

<sup>1</sup>Not available with pictogram sign