

New product

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, 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 combo includes a transfer circuit to drive an additional three (3) remote pictogram signs (total power max 15W)
- Easy-to-build catalogue number based on the **Emergi-Lite®** severity codes
- Meets or exceeds CSA 22.2 No.141-15 & No. 137
- **Warranty details at: 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: _____

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 modules below.

Severity code	S1	S2	S3	S4
Temperature code	T6	T6	T4A	T6
	max. 85°C	max. 85°C	max. 120°C	max. 85°C

EXP Series severity code selection chart

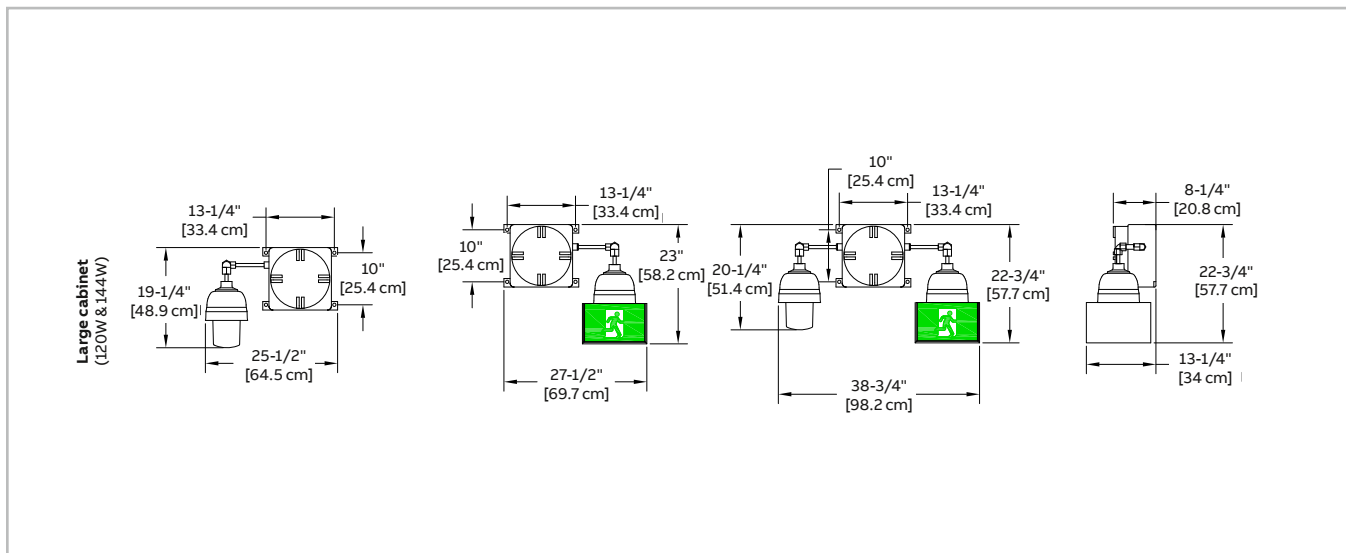
Environment	Severity code
Class I, Div. 1 & 2, Gr. B	S1
Class I, Div. 1, Gr. C, D	S2
Class I, Div. 2, Gr. A, B, C, D	S3
Class II, Div. 1 & 2, Gr. E, F, G & Class III	S4

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Dimensions

Dimensions are approximate and subject to change.



Power consumption

Unit capacity	Input voltage	AC specs			Wattage capacity		
		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° ¹
		Blank= 120VAC	TS= transfer switch ^{1,2}	D9= arrow down ¹
				P1= Single face LED pictogram
				P2= Double face LED pictogram
				U9= arrow up ¹
				U4= arrow up 45° ¹
			¹ Standard with combo.	¹ Indicate P1 or P2
			² Not available for P1 and P2.	
Head style	Severity code	Lamp type, voltage & power		
/11= single remote, 1 lamp	S1= Cl.I, Div.1&2, Gr.B	Blank= no lamp		
/12= single remote, 2 lamps	S2= Cl.I, Div.1, Gr. C, D	LG= 12V-4W MR16 LED		
	S3= Cl.I, Div.2, Gr. A, B, C, D	LI= 12V-5W MR16 LED		
	S4= Cl.II, Div.1&2, Gr. E, F, G & CLIII	LJ= 12V-6W MR16 LED		
		LL= 24V-4W MR16 LED		

Example: 12EXP120-2DP1/11S1LG

¹Not available with pictogram sign