

RG-X Series

Battery Units, Self-Powered Exit Signs, Combination Units



CSA certified for use in hazardous locations.

The **RG-X** 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 **RG-X** 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 exit signs, and combination units with emergency lights and exit sign. The equipment is also available with additional emergency power capacity to drive remote heads and exit signs.



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 circuit to drive four remote LED-based remote exit signs
- Exit sign uses a LED lamp with **AllnGaP** LEDs
- Exit sign is CSA certified, meets or exceeds C860
- CSA certified, meets or exceeds C860 requirements
- Easy-to-build catalogue number based on the Lumacell Severity Codes
- Also available as remote exit signs and remote fixtures; refer to the **LERE-XP** and **RS10XP** catalogue sheets

Project/Location		Date
Contractor		Prepared by
LUMACELL Model		



RG*X SERIES EXIT

Typical Specification

Supply and install the Lumacell RG-X Series of hazardous location 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 347volts, 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 $\pm 1\%$ 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, 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 **AllnGap** LEDs and shall consume less than 5watts in either AC or battery mode.

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

The exit sign shall be CSA-C860 approved.

The equipment shall be Lumacell Model:
_____.

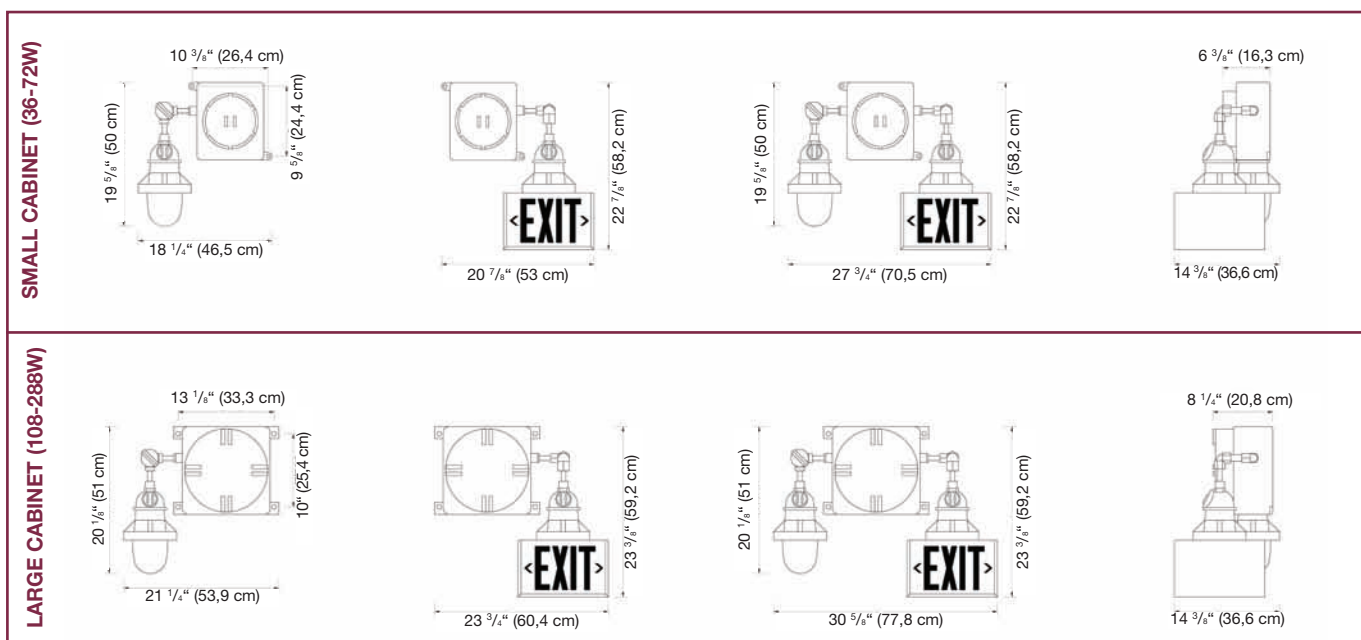
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Dimensions



Power Consumption and Unit Rating

Model	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
RG6V36X	120/347Vac	0.50/0.20 Amp	36	21	15	12	6
RG6V50X	120/347Vac	0.50/0.20 Amp	50	29	36	40	25
RG6V72X	120/347Vac.	0.50/0.20 Amp	72	42	30	24	12
RG6V108X	120/347Vac	0.50/0.20 Amp	108	63	45	36	18
RG12V72X	120/347Vac.	0.50/0.20 Amp	72	42	30	24	12
RG12V144X	120/347Vac	0.50/0.20 Amp	144	84	60	48	24
RG12V200X	120/347Vac	0.50/0.20 Amp	200	117	83	67	33
RG24V144X	120/347Vac	0.50/0.20 Amp	144	84	60	48	24
RG24V288X	120/347Vac	0.50/0.20 Amp	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 5watts of emergency power for each sign.

Project/Location		Date
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LUMACELL Model		



RG*X SERIES EXIT

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 Cl. III, Div. 1 & 2	S4

2.

Certification Guide for LERE-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 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

Ordering Information

Before ordering, identify the environment of your application:

Class _____, Division _____, Group _____.

Refer to the table 1 for the Severity Code to use in your catalogue number.

For temperature information, please look at the table 2.

3. RG-X

Series	DC Volatge	Capacity Cabinet Size	Housing	Faces	Head Style	Lamps	Severity Code	Ac Volatge	Options	
RG	6= 6volts	36= 36watts [P]* 72= 72watts [P]* 108= 108watts [G]*	X= hazardous location	Blank= no exit sign	0= no heads	12W= halogen, 6 V,12V, 12W quartz bi-pin 20W= halogen, 12 V, 24 V, 20 W, quartz bi-pin	S1= see chart	Blank= 120Vac	Blank= no options	
	12= 12volts	72= 72watts [P]* 144= 144watts [G]* 200= 200watts [G]*		RE1= single face LED EXIT sign	A1= single remote, 1 lamp		S2= see chart		ZC= 277Vac	TD= time delay
	24= 24volts	144= 144watts [G]* 288= 288watts [G]*		RE2= double face LED EXIT sign	A2= single remote, 2 lamps		S3= see chart		ZD= 347Vac	TP= transfer panel
		* Cabinet size is not part of the ordering information.			A3= double remote, 1 lamp	For other lamp options, please consult your sales representative	S4= see chart		*Recieved only power remote LERE-XP EXIT sign.	

EXAMPLE: RG636XA112WS1