



RG-X LED "Sortie" Series



Battery Units, Self-Powered
"Sortie" Signs,
Combination Units



CSA certified for use in hazardous locations

The **RG-X "Sortie" LED** 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 "Sortie" LED** 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 Sortie Signs, and combination units with emergency lights and Sortie Sign. The equipment is also available with additional emergency power capacity to drive remote heads and Sortie Signs.

FEATURES

- 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 exit (combo) includes a transfer circuit to drive three (3) LED-based remote exit signs (total power max 15W)
 - New, easy-to-build catalogue number based on the **Lumacell**® Severity Codes
 - Meets or exceeds CSA C22.2 No.141-10 & No. 137
- See warranty details at: www.tnb.ca/en/brands/lumacell**

TYPICAL SPECIFICATIONS

Supply and install the **Lumacell**® RG-X "Sortie" LED Series of hazardous location battery 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, 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.

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 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.

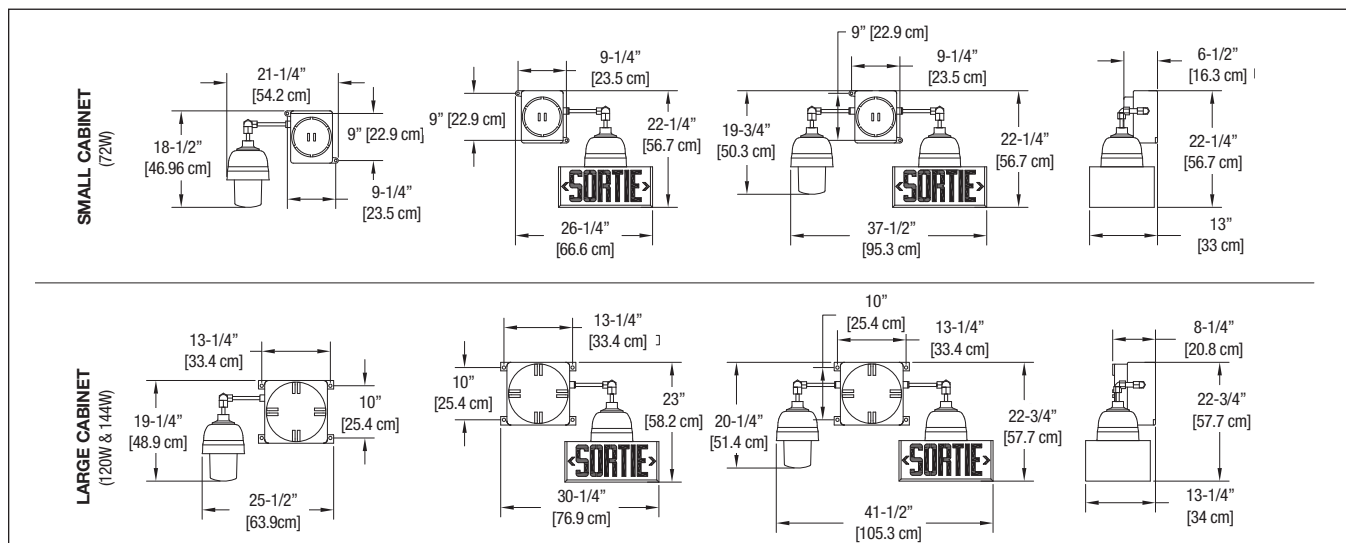
The equipment shall be certified CSA C22.2 No.137-M1981 for Hazardous Locations: Class _____, Division _____, Group _____ with the temperature code _____.

The Sortie Sign shall be CSA C22.2 No.141-10 certified.

The equipment shall be **Lumacell**® Model: _____.

DIMENSIONS

Dimensions are approximate and subject to change.





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POWER CONSUMPTION AND UNIT RATING

| UNIT CAPACITY | INPUT VOLTAGE | INPUT RATING | WATTAGE CAPACITY | | | | |
|---------------|---------------|--------------|------------------|------|------|------|------|
| | | | 30MIN | 1H00 | 1H30 | 2H00 | 4H00 |
| 12V-72W* | 120V, 60Hz | 0.25A, 25W | 72 | 36 | 25 | 20 | 10 |
| | 277V, 60Hz | 0.125A, 28W | | | | | |
| | 347V, 60 Hz | 0.115A, 28W | | | | | |
| 12V-120W | 120V, 60Hz | 0.45A, 37W | 120 | 60 | 40 | 30 | 15 |
| | 277V, 60Hz | 0.209A, 42W | | | | | |
| | 347V, 60 Hz | 0.176A, 42W | | | | | |
| 24V-144W | 120V, 60Hz | 0.465A, 38W | 144 | 72 | 50 | 40 | 20 |
| | 277V, 60Hz | 0.208A, 42W | | | | | |
| | 347V, 60 Hz | 0.178A, 42W | | | | | |

* Combo, no remote Exit capability

TEMPERATURE CODES: 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 + sortie sign + emergency heads) is defined as the most severe of the temperature codes identified for each of the modules below.

TEMPERATURE CODES FOR RG-X SERIES (Battery & sortie combination units)

| SEVERITY CODE | S1 | S2 | S3 | S4 |
|------------------|--------------------|--------------------|---------------------|--------------------|
| TEMPERATURE CODE | T6 85°C (185°F) | T6 85°C (185°F) | T6 120°C (248°F) | T6 85°C (185°F) |

SEVERITY CODE SELECTION CHART

| ENVIRONMENT | SEVERITY CODE |
|---|---------------|
| Cl. I, Div. 1 & 2, Gr. 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 | S4 |

RG-X

| D.C VOLTAGE | CAPACITY | HOUSING | SIGN/FACE | HEAD STYLE | LAMP TYPE, VOLTAGE AND POWER | SEVERITY CODE | A.C VOLTAGE | OPTIONS |
|-------------|-----------------------------------|-----------------------|--|---|--|---|---|---|
| RG12= 12V | 72= 72W ¹ 120= 120W | X= Hazardous location | Blank= No sign S1= Single face LED "SORTIE" S2= Double face LED "SORTIE" | 0= No heads A1= Single remote, 1 lamp A2= Single remote, 2 lamps A3= Double remote, 1 lamp each ¹ | Blank= no lamp LD7= 12V-4W MR16 LED LD9= 12V-5W MR16 LED LD10= 12V-6W MR16 LED LD13= 24V-4W MR16 LED | S1= Cl.I, Div.1&2, Gr.B S2= Cl.I, Div.1, Gr. C, D S3= Cl.I, Div.2, Gr. A, B, C, D S4= Cl.II, Div.1&2, Gr. E, F, G & Cl.III | Blank= 120VAC ZC= 277VAC input ZD= 347VAC input | Blank= No options TD= Time delay (15 minutes) TP= Transfer panel ^{1,2} |
| RG24= 24V | 144= 144W | | | | | | | |

EXAMPLE: RG1272XS1A1LD7S2