RGS Series
6, 12 and 24V

10-year life expectancy, maintenance-free emergency lighting units.

The **RGS Series** battery units combine long-life expectancy, high performance design and a reasonable initial cost outlay. Ideally suited for a range of commercial applications, the long-life lead acid battery is specifically recommended for environments where the unit will be exposed to large variances in ambient temperature.
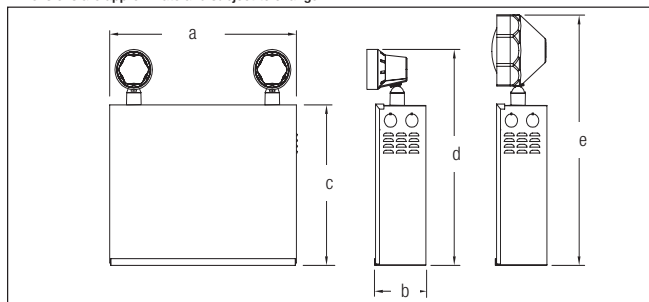
FEATURES

- Rugged steel cabinet with corrosion-resistant undercoating – standard colour is factory white. Optional: Polar white and black.
- Removable front panel on cabinet provides easy access and allows the unit to be mounted at ceiling height
- Solid-state pulse-type charger – current-limited, temperature-compensated, short-circuit proof and reverse-polarity protected.
- Unit comes standard with electronic lockout and brownout circuits
- Sealed dust-proof transfer relay, test switch and LED indicator lights
- Long-life, maintenance-free lead acid battery
- Wide range of lampheads available – consult Ordering Information for complete list
- Standard 120/347VAC input voltage with line cord kit
- NEXUS® compatible (for more information on NEXUS®, please consult your sales representative)
- CSA C22.2 No. 141 certified

Made in Canada **nexus®**

CABINET	DIMENSIONS				
	A	B	C	D	E
A	13 1/4" (33.7 cm)	3 5/8" (9.2 cm)	10 1/2" (26.7 cm)	14 1/4" (36.2 cm)	16 1/2" (41.9 cm)
B	16 1/8" (40.9 cm)	5 1/2" (13.9 cm)	10 1/4" (26.0 cm)	13 7/8" (35.2 cm)	16 1/8" (41.0 cm)
C	23 1/8" (58.7 cm)	5 1/2" (13.9 cm)	10 1/4" (26.0 cm)	13 7/8" (35.2 cm)	16 1/8" (41.0 cm)

DIMENSIONS

Dimensions are approximate and subject to change.

TYPICAL SPECIFICATIONS

Supply and install a complete emergency lighting system as described herein and shown on the drawings.

The **Lumacell® Smart Diagnostic** micro-controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120V or 347V, 60 Hz and be CSA listed. The unit shall have an output of: _____V and _____W.

The charger shall be fully computer tested and its charge voltage factory set to ± 1% tolerance. Chargers with field-adjusted potentiometers are not acceptable. A pulse-type charger shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off.

Periodically the charger shall provide a pulse of energy to keep the battery topped off. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected.

The unit 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 lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge. The unit shall self-test for 1 minute every 30 days, 10 minutes on the 6th month and 30 minutes every 12 months. The unit shall be capable of full recharge in compliance with CSA specifications. The unit shall be furnished with sealed dust tight relay, a test switch and diagnostic LED indicator lights to continuously monitor the status of the unit: Battery Failure, Battery Disconnected, Charger Failure, Lamp Failure, Service Alarm, AC "ON", Charger High Rate. The emergency lighting heads shall require no tools for orientation.

The unit shall be **Lumacell®** model: _____.

WIRE GUARDS

460.0078-L	Wall Mount	"A" Cabinet
460.0081-L	Wall Mount	"B" Cabinet
460.0034-L	Wall Mount	"C" Cabinet

REPLACEMENT LAMPS

ORDERING CODE	LAMP TYPE	VOLTAGE/WATTAGE
570.0016-L	Mini tungsten (MT9W)	6V-9W
570.0025-L	Mini tungsten (MT9W)	12V-9W
570.0045-L	Mini tungsten (MT9W)	24V-9W
580.0093-L	MR16 LED	12V-4W
580.0104-L	MR16 LED	12V-5W
580.0098-L	MR16 LED	24V-4W
580.0106-L	MR16 LED	12V-6W

For the complete list, please see the lamp chart on page 144 to 146

LUMACELL
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POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS	WATTAGE CAPACITY				
		30 MIN	1H00	1H30	2H00	4H00
RGS36	0.10/0.04A	36	21	15	12	6
RGS72	0.22/0.08A	72	42	30	24	12
RGS108	0.22/0.08A	108	63	45	36	18
RGS180	0.22/0.08A	180	105	75	60	30
RG12S36	0.09/0.03A	36	21	15	12	6
RG12S72	0.15/0.06A	72	42	30	24	12
RG12S100	0.34/0.12A	100	58	42	33	17
RG12S144	0.40/0.14A	144	84	60	48	24
RG12S200	0.41/0.14A	200	117	83	67	33
RG12S250	0.41/0.14A	250	144	100	83	42
RG12S360	0.43/0.15A	360	200	144	108	60
RG24S144	0.55/0.20A	144	84	60	48	24
RG24S200	0.67/0.23A	200	117	83	67	33
RG24S288	0.67/0.23A	288	168	120	96	48
RG24S350	0.67/0.23A	350	200	144	120	60
RG24S432	0.67/0.23A	432	250	180	144	72
RG24S550	0.88/0.33A	550	320	230	180	90
RG24S720	0.88/0.33A	720	400	288	216	120
RG24S720HP	0.88/0.33A	720	660	480	360	200

AC SPECS column: 120/347VAC (applies to all models)

Note: Units provide higher power for minimum one hour of emergency lighting.

ORDERING INFORMATION

SERIES	CAPACITY	# OF HEADS	HEADS STYLE/WATTAGE	COLOUR	AC VOLTAGE	OPTIONS
RGS= 6V	**36**= 36W (A) **72**= 72W (A) **108**= 108W (A) **180**= 180W (B)	**Blank**= no head **1**= one head **2**= two heads **3**= three heads	**LH9W**= tungsten, 6V, 12V, 24V-9W, wedge base **LH18W**= tungsten, 12V, 24V-18W, wedge base **LH25W**= tungsten, 6V, 12V, 24V-25W, DCB **LD1**= MR16 LED, 6V-4W **LD7**= MR16 LED, 12V-4W **LD9**= MR16 LED, 12V-5W **LD10**= MR16 LED, 12V-6W **LD13**= MR16 LED, 24V-4W **QSB8W**= halogen, 6V, 12V-8W, quartz sealed beam **QSB12W**= halogen, 6V, 12V-12W, quartz sealed beam	**Blank**= factory white **BK**= black	**Blank**= 120/347VAC input **ZC**= 277VAC input	**A**= ammeter **CT**= cab-tire **TD**= time delay (programmable) **TL**= twist-lock plug (120V) **LTS**= light activated test switch **LD**= lamp disconnect **TMBD**= DC terminal block **TMBK**= AC terminal block **HHC**= remote test transmitter **AT**= auto-test
RG12S= 12V	**36**= 36W (A) **72**= 72W (A) **100**= 100W (A) **144**= 144W (A) **200**= 200W (B) **250**= 250W (C) **360**= 360W (C)		**QSB20W**= halogen, 6V-20W, quartz sealed beam **MT9W**= mini-tungsten, 6V, 12V, 24V-9W, wedge base **MT18W**= mini-tungsten, 12V, 24V-18W, wedge base **MQ8W**= mini-halogen, 6V, 12V-8W, quartz bi-pin **MQ12W**= mini-halogen, 6V, 12V, 24V-12W, quartz bi-pin **MQM6W**= mini-halogen, 6V-6W, MR16 **MQM10W**= mini-halogen, 6V-10W, MR16 **MQM12W**= mini-halogen, 12 V, 24V-12W, MR16 **MQM20W**= mini-halogen, 12V-20W, MR16 **LHQ8W**= halogen, 6V, 12V-8W, quartz bi-pin **LHQ12W**= halogen, 6V, 12V-12W, quartz bi-pin			**ATN**= auto-test (non-audible) **V**= voltmeter **RRT**= remote test receiver **DPF6**= 6cct. fuse panel **NEX**= NEXUS® system interface* **NEXRF**= wireless NEXUS® system interface* **TMBB**= AC/DC terminal block
RG24S= 24V	**144**= 144W (A) **200**= 200W (B) **288**= 288W (B) **350**= 350W (C) **432**= 432W (C) **550**= 550W (C) **720**= 720W (C)		**LHQ20W**= halogen, 6V, 12V, 24V-20W, quartz bi-pin **LHQ55W**= halogen, 12V-55W*, quartz bi-pin **LHQ70W**= halogen, 24V-70W**, quartz bi-pin **SB8W**= tungsten, 6V-8W, sealed beam **SB18W**= tungsten, 6V, 12V-18W, sealed beam **SB25W**= tungsten, 6V, 12V-25W, sealed beam			* Consult your sales representative for options available with NEXUS® system. ** Remote test transmitter needed. *** Not all options available with NEXUS®. Consult your sales representative.
	* Cabinet size is not part of the ordering information		* Aluminum heads only. ** High temperature heads only.			

EXAMPLE: RGS362MT9W