



# SIGNATURE DECO CAB BATTERY Units

Decorative 6, 12 and 24 volts

PROJECT \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 DATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_  
 PREPARED BY \_\_\_\_\_  
 LUMACELL MODEL \_\_\_\_\_

## SIGNATURE DECO CAB SERIES

High performance and energy efficiency in a contemporary design.

The Signature™ Series decorative battery units combine a contemporary design with the latest in high-tech security capability.

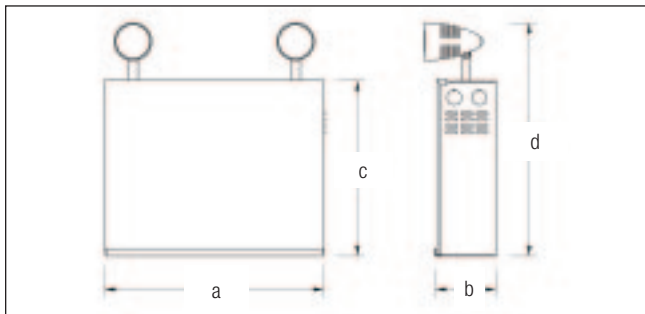
Designed to meet the needs of interior design professionals, these battery units are also high performance and energy-efficient.

### FEATURES

- Rugged steel cabinet with corrosion-resistant undercoating
- Removable front panel on cabinet provides easy access and allows 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 continuously monitor unit status
- Long-life, maintenance-free lead acid battery
- 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

CABINET	DIMENSIONS			
	A	B	C	D
A	13 1/4" (33.4 cm)	3 5/8" (9.2 cm)	10 1/2" (26.8 cm)	14 1/4" (36.0 cm)
B	16 1/8" (41.0 cm)	5 1/2" (13.8 cm)	10 1/4" (26.1 cm)	13 7/8" (35.3 cm)
C	23 1/8" (58.8 cm)	5 1/2" (13.8 cm)	10 1/4" (26.1 cm)	13 7/8" (35.3 cm)

### DIMENSIONS



### TYPICAL SPECIFICATIONS

Supply and install the Lumacell **Signature Series** battery units.

The battery unit will supply the rated load for a minimum of \_\_\_\_\_ hour to 87.5% of the rated battery/voltage. The unit shall be rated 120 or 347V, 60 Hz and be CSA listed. The charger shall be fully computer tested and its charge voltage factory set to + or – 1% tolerance. A pulse type charger shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide continuous high charge to recharge the battery. When the battery is at full capacity the charger will shut off.

The pulse charge shall be current limited and precisely regulated by an electronic circuit which samples the battery in relation to its temperature, state of 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 will disconnect the battery at end of the discharge. The unit will come complete with the Signature Series diagnostics micro-controller board option. 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 furnished with a sealed dust tight relay, a selectable test switch 1 minute, 5 minutes, 10 minutes or 20 minutes and diagnostics LED indicator lights to continuously monitor the status of the unit: battery failed, battery disconnect, charger failure, lamp failure, service alarm, AC "ON" and charger "ON".

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	TYPE	VOLTAGE/ WATTAGE
570.0074-L	MR16, FL	6V - 6W
570.0079-L	MR16, FL	6V - 10W
570.0080-L	MR16, FL	12V - 12W

For the complete list, please see the lamp chart on page 196 to 199



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## POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS	WATTAGE CAPACITY				
		30MIN	1H00	1H30	2H00	4H00
RGS36	0.10/0.04 Amp	36	21	15	12	6
RGS72	0.22/0.08 Amp	72	42	30	24	12
RGS108	0.22/0.08 Amp	108	63	45	36	18
RGS180	0.22/0.08 Amp	180	105	75	60	30
RG12S72	0.15/0.06 Amp	72	42	30	24	12
RG12S100	0.34/0.12 Amp	100	58	42	33	17
RG12S144	0.40/0.14 Amp	144	84	60	48	24
RG12S200	0.41/0.14 Amp	200	117	83	67	33
RG12S220	0.41/0.14 Amp	220	120	90	72	36
RG12S250	0.41/0.14 Amp	250	144	100	83	42
RG12S360	0.43/0.15 Amp	360	200	144	108	60
RG12S360HP*	0.43/0.15 Amp	360	<b>330</b>	<b>240</b>	<b>180</b>	<b>100</b>
RG24S144	0.55/0.20 Amp	144	84	60	48	24
RG24S200	0.67/0.23 Amp	200	117	83	67	33
RG24S288	0.67/0.23 Amp	288	168	120	96	48
RG24S350	0.67/0.23 Amp	350	200	144	120	60
RG24S432	0.67/0.23 Amp	432	250	180	144	72
RG24S550	0.88/0.33 Amp	550	320	230	180	90
RG24S720	0.88/0.33 Amp	720	420	300	240	120
RG24S720HP*	0.88/0.33 Amp	720	<b>660</b>	<b>480</b>	<b>360</b>	<b>200</b>

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

## ORDERING INFORMATION

SERIES	CAPACITY	# OF HEADS	HEAD STYLE	LAMP WATTAGE	COLOUR	AC VOLTAGE	OPTIONS
<b>RGS= 6 volts</b>	<b>36=</b> 36 watts (A)* <b>72=</b> 72 watts (A)* <b>108=</b> 108 watts (A)* <b>180=</b> 180 watts (B)*	<b>1=</b> one head <b>2=</b> two heads <b>3=</b> three heads	<b>DR130=</b> closed	<b>6W=</b> 6V, 6 watts <b>10W=</b> 6V, 10 watts <b>12W=</b> 12V, 12 watts <b>20W=</b> 12V, 24V, 20 watts <b>35W=</b> 12V, 24V, 35 watts <b>50W=</b> 12V, 24V, 50 watts <b>LD1=</b> 6V-4W, MR 16 LED <b>LD7=</b> 12V-4W, MR 16 LED <b>LD13=</b> 24V-4W, MR 16 LED	<b>Blank=</b> polar white <b>BK=</b> black	<b>Blank=</b> 120/347Vac input <b>ZB=</b> 240 Vac input <b>ZC=</b> 277 Vac input <b>ZE=</b> 220 Vac, 50 Hz input	<b>Blank=</b> no options <b>A=</b> ammeter <b>AT=</b> auto-test <b>ATN=</b> auto-test non-audible <b>CT=</b> cabtire <b>DPF6=</b> 6cct. fuse panel <b>LD=</b> lamp disconnect <b>LTS=</b> light activated test switch <b>RRT=</b> remote test receiver <b>TD=</b> time delay (programmable) <b>TL=</b> twistlock plug <b>TMBB=</b> AC/DC terminal block <b>TMBD=</b> DC terminal block <b>TMBK=</b> AC terminal block <b>V=</b> voltmeter <b>*NEX=</b> NEXUS® system interface <b>*NEXRF=</b> wireless NEXUS® system interface
<b>RG12S= 12 volts</b>	<b>72=</b> 72 watts (A)* <b>100=</b> 100 watts (A)* <b>144=</b> 144 watts (A)* <b>200=</b> 200 watts (B)* <b>250=</b> 250 watts (B)* <b>360=</b> 360 watts (B)* <b>360HP=</b> 360 watts (B)*						
<b>RG24S= 24 volts</b>	<b>144=</b> 144 watts (A)* <b>200=</b> 200 watts (B)* <b>288=</b> 288 watts (B)* <b>350=</b> 350 watts (C)* <b>432=</b> 432 watts (C)* <b>550=</b> 550 watts (C)* <b>720=</b> 720 watts (C)* <b>720HP=</b> 720 watts (C)*						

\* Cabinet size is not part of the ordering information.

\* Consult your sales representative for options available with NEXUS® system.

EXAMPLE: RGS361DR11306W