



# SIGNATURE™ DECO CAB Series

Decorative 6, 12 and 24V

Nexus®Pro 

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## 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.

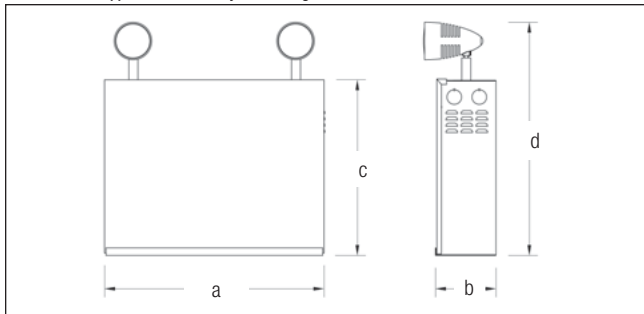
## FEATURES

- 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
- 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
- Auto-testing capabilities (specific load requirements)
- Meets or exceeds CSA 22.2 No. 141-15

See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)

## DIMENSIONS

Dimensions are approximate and subject to change.



CABINET	DIMENSIONS			
	A	B	C	D
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)
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)
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)

## 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 CSA 22.2 No.141-15 certified.

The unit shall be **Lumacell®** model: \_\_\_\_\_.

## REPLACEMENT LAMPS

ORDERING CODE	TYPE	VOLTAGE/ WATTAGE
580.0097-L	MR16 LED	6V-4W
580.0122-L	MR16 LED	6V-5W
580.0093-L	MR16 LED	12V-4W
580.0104-L	MR16 LED	12V-5W
580.0106-L	MR16 LED	12V-6W
580.0098-L	MR16 LED	24V-4W
580.0100-L	MR16 LED	24V-6W

## WIRE GUARDS

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

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## POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS	WATTAGE CAPACITY				
		30MIN	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
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	420	300	240	120

\*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
RGS= 6V	36= 36W (A) 72= 72W (A) 108= 108W (A) 180= 180W (B)	1= one head 2= two heads 3= three heads	130= closed	LD1= MR16 LED, 6V-4W, LD2= MR16 LED, 6V-5W LD7= MR16 LED, 12V-4W LD9= MR16 LED, 12V-5W LD10= MR16 LED, 12V-6W LD13= MR16 LED, 24V-4W LD14= MR16 LED, 24V-6W	BK= black Blank= polar white	Blank= 120/347VAC input ZC= 277VAC input	A= ammeter AT= auto-test <sup>1</sup> ATN= auto-test, non-audible <sup>1</sup> CPS3= constant power supply 3 Amps, 24V only <sup>2</sup> CT= cab-tire LD= lamp disconnect LTS= light activated test switch NEX= NEXUS® system interface <sup>3</sup> NEXP= NEXUS®Pro IoT <sup>3</sup> NEXRF= wireless NEXUS® system interface <sup>3</sup> RFI= radio frequency interference filter, 120VAC RF3= radio frequency interference filter, 347VAC TD= time delay 15 minutes TL= twistlock plug (120V) <sup>4</sup> TMBB= AC/DC terminal block TMBD= DC terminal block TMBK= AC terminal block V= voltmeter VSR= voltage sensing relay <sup>5</sup>
RG12S= 12V	72= 72W (A) 100= 100W (A) 144= 144W (A) 200= 200W (B) 250= 250W (B) 360= 360W (B)						
RG24S= 24V	144= 144W (A) 200= 200W (B) 288= 288W (B) 350= 350W (C) 432= 432W (C) 550= 550W (C) 720= 720W (C)						

\*Cabinet size is not part of nomenclature

<sup>1</sup>Minimum lamp load required: 20% of unit capacity  
<sup>2</sup>"C" Cabinet only 24V, 144W-720W.  
<sup>3</sup>Not all options are available with NEXUS® system. Please consult your sales representative  
<sup>4</sup>120V is standard  
<sup>5</sup>See voltage sensing relay in options section. B & C cabinet only.

EXAMPLE: RG12S722130LD7