new product

RGS High Perfomance Series

Commercial Battery Unit

nexus® Made in Canada

Standard life expectancy, maintenance-free emergency lighting units.

The **RGS High Performance Series** battery units combine long-life expectancy, high performance design and a reasonable initial cost outlay. Ideally suited for a range of commercial applications that require high performance emergency lighting fixtures.

FEATURES

- Rugged steel cabinet with corrosion-resistant undercoating
- 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.
- Die cast aluminum high efficiency heads
- Innovative head design featuring four LEDs and a dual driver that provide even illumination even in case of unexpected component failure
- Standard grey colour (black optional)
- May be wired from top or side only. Rear keyhole slots provided for installation (except for 24V model)
- Maintenance-free Lead-Acid battery
- Standard 120/347VAC input voltage
- Auto-testing capabilities (specific load requirements)
- Meets exceeds CSA C22.2 No. 141-15

See warranty details at: www.tnb.ca/en/brands/lumacell

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 and a test switch. When specified, units with self-test and auto-diagnostic feature shall be equipped with 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 CSA 22.2 No.141-15 certified.

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

WIRE GUARDS

460.0078-L	Wall Mount	"A" Cabinet

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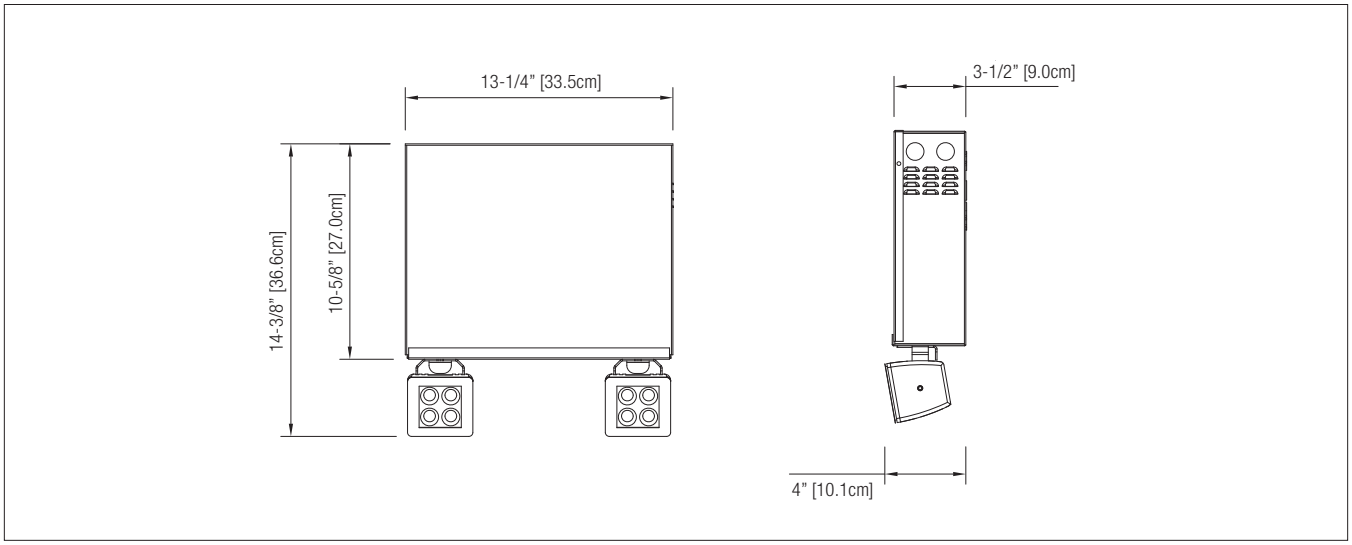
DIMENSIONS

Dimensions are approximate and subject to change.



POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		WATTAGE CAPACITY				
			30 MIN	1H00	1H30	2H00	4H00
RG12S36	120/347VAC	0.25/ 0.11A	36	21	15	12	6
RG12S72		0.25/ 0.11A	72	42	30	24	12
RG12S100		0.25/ 0.11A	100	58	42	33	17
RG12S130		0.25/ 0.11A	130	75	54	43	22
RG24S144		0.55/ 0.17 A	144	84	60	48	24

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

ORDERING INFORMATION

SERIES/ VOLTAGE/ CAPACITY	# OF HEADS	HEADS STYLE/ WATTAGE	COLOUR	INPUT VOLTAGE	CHARGER TYPE	OPTIONS (CAN BE COMBINED)
RG12S36= 36W (A) **RG12S72**= 72W (A) **RG12S100**= 100W (A) **RG12S130**= 130W (A) **RG24S144**= 144 W (A)	**0**= no heads **2**= two heads	**L6**= 12-24V, 6W **L10**= 12-24V, 10W **L15**= 12-24V, 15W	**GY**= grey (standard) **BK**= black* *L15 head only	**Blank**= 120/347VAC **-ZC**= 120/277VAC input	**Blank**= standard **AT**= auto-test **ATN**= auto-test, non-audible **NEX**= NEXUS® wired **NEXRF**= NEXUS® wireless	**RFI**= 120VAC Radio frequency interference filter **RF3**= 347VAC Radio frequency interference filter **TD**= time delay (15 min. default)

EXAMPLE: RG24S1442LD15GYAT