RGC Battery Unit

Steel, compact, 6 and 12 volts

Features

- Compact steel cabinet with corrosion-resistant undercoating
- Quick and easy installation – pre-assembled cordset, no batteries or board to remove before installation
- Universal Spider knockout pattern for junction box mounting
- Fully automatic solid-state charger with test switch and AC-on pilot light
- Sealed dust-proof transfer relay circuit and low-voltage disconnect
- Long-life, maintenance-free sealed lead battery provides 30 minutes of illumination in emergency mode with complete recharge within 24 hours
- Heads requires no tools for adjusting or aiming
- Wide choice of lamps include MR16, tungsten and halogen
- Standard input 120Vac with line cord installed
- 120/347Vac without line cord
- CSA C22.2 No. 141 certified

NEXUS

Made in Canada

Typical Specification

The contractor shall install the Lumacell RGC Series battery units. The emergency lighting system shall consist of fully automatic equipment with two emergency lighting heads. The unit shall be ___ volts with a capacity of ___ watts for 30 minutes minimum.

The charger shall be factory set with a charging voltage tolerance of ± 1% to enable a longer battery life. The emergency light heads shall require no tools for adjusting or aiming. The metal cabinet shall be made of steel with anti-corrosion undercoating.

The unit equipped with the Auto Test micro-controller board shall self-test 1 minute every 30 days, 10 minutes the 6th month and 30 minutes every 12 months. The unit shall be supplied with a test switch and diagnostic LED indicator lights to continuously monitor the status of the unit: Battery Failure, Battery Disconnect, Charger Failure, Lamp Failure, Service Alarm, main voltage AC “ON”, Charger High Rate.

The unit shall be CSA Certified to C22.2 no.141.

The unit shall be Lumacell model:

_____.

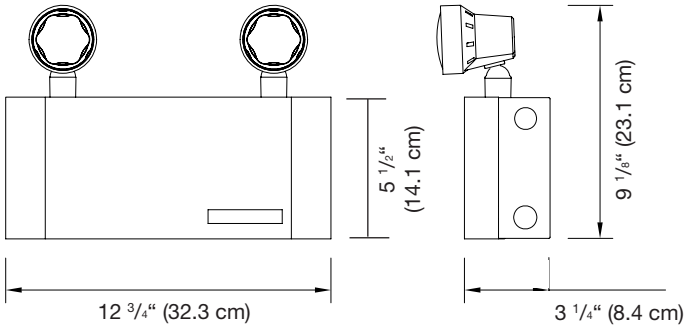
Project/Location	Date
Contractor	Prepared by
LUMACELL Model	

RGC SERIES

Wire Guard

460.0080-L Wall Mount

Dimensions



Power Consumption and Unit Rating

Model	AC Specs		Wattage capacity				
			30min	1h00	1h30	2h00	4h00
RGC27	120/347 Vac	0.06/0.02 Amp	27	15	11	9	-
RGC44		0.18/0.06 Amp	44	26	18	15	7
RGC72		0.19/0.07 Amp	72	42	30	24	12
RG12C44		0.31/0.10 Amp	44	26	18	15	7
RG12C72		0.31/0.10 Amp	72	42	30	24	12

Replacement Lamps

Ordering Code	Type	Voltage-Wattage
570.0012-L	Mini tungsten (MT9W)	6V - 9W
570.0025-L	Mini tungsten (MT9W)	12V - 9W

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

Ordering Information

Series	Capacity	# of heads	Head style/Wattage	Colour	Voltage	Options
RGC= 6 volts	***27=** 27 watts (6 volts only)	**Blank=** no head	**MT9W=** mini tungsten, 6V, 12V - 9W, wedge base	**Blank=** factory white	**Blank=** 120Vac input with line cord installed	**Blank=** no options
RG12C= 12 volts	**44=** 44 watts	**1=** one head	**MT18W=** mini tungsten, 12V - 18W, wedge base	**BK=** black	**ZC=** 277Vac input	****AT=** Auto-Test
	72= 72 watts	**2=** two heads	**MQ8W=** mini halogen, 6V, 12V - 8W, quartz bi-pin		***ZB=** 240Vac input	****ATN=** Auto-Test non-audible
			MQ12W= mini halogen, 6V, 12V, 24V -12W, quartz bi-pin		**ZD=** 120/347 Vac input	**CT=** Cabtire
			MQM6W= mini halogen, 6V - 6W, MR16			**TL=** Twistlock plug
			MQM10W= mini halogen, 6V - 10W, MR16			*****NEX=** NEXUS® system interface
			MQM12W= mini halogen,12V - 12W, MR16			
			MQM20W= mini halogen, 12V - 20W, MR16			
			LH9W= large tungsten, 6V, 12V - 9W, wedge base			
			LH18W= large tungsten, 12V - 18W, wedge base			
			LH25W= large tungsten, 6V, 12V - 25W, DCB			
			LHQ8W= large halogen, 6V, 12V - 8W, quartz bi-pin			
			LHQ12W= large halogen, 6V, 12V - 12W, quartz bi-pin			
			LHQ20W= large halogen, 6V, 12V - 20W, quartz bi-pin			
			SB9W= large tungsten, 6V - 9W, sealed beam			
			SB18W= large tungsten, 6V, 12V - 18W, sealed beam			
			SB25W= large tungsten, 6V, 12V, - 25W, sealed beam			
			QSB8W= large halogen, 6V, 12V - 8W, quartz sealed beam			
			QSB12W= large halogen, 6V, 12V - 12W, quartz sealed beam			
			QSB20W= large halogen, 6V - 20W, quartz sealed beam			

*Available in 6V only.

* Not CSA approved

** 6V-72W available in RGS series only.
*** Consult your sales representative, not available in 6V-72W.

EXAMPLE: RGC272MT9W

Glossary

A	**ammeter**	Used to measure the current being supplied to the battery while in charge mode.
AT	**Auto-Test**	Automatically tests and continuously monitors your emergency lighting unit. If a problem occurs, the unit will send a visual (flashing or blinking LED indicator) and audible warning. Complies with Fire Code requirements.
ATN	**Auto-Test, non-audible**	Automatically tests and continuously monitors your emergency lighting unit. If a problem accurs, the unit will send a visual (flashing or blinking LED indicator) warning. Complies with Fire Code requirements.
CT	**Cab-tire**	Unit supplied with a cab-tire cable used for special hardwire applications.
CW1	**cold weather, 120Vac**	120Vac input cold weather protection feature for applications where temperatures can reach -40° C
CW3	**cold weather, 347Vac**	347Vac input cold weather protection feature for applications where temperatures can reach -40° C
DPF6	**6cct. Fuse panel**	Used to facilitate the connection of multiple input load circuits in high power battery units.
HHC	**remote test transmitter**	Used to perform maintenance tests by means of radio transmitter along with a radio receiver (RRT option) on battery units that are out of reach.
HTR	**heather & thermostat**	Like a heatblanket, used to keep internal temperature optimal for battery units that are installed in cold environments.
LC	**line cord (120V)**	When ordering a battery unit with the LC option, we supply and pre-install a line cord with a standard 3 prong 120V plug. Just hang the fixture and plug it in to a standard receptacle! Only available on 120V units.
LD	**lamp disconnect**	To disconnect the emergency lighting load in an area that is not in use during a prolonged power failure or while area is no longer being occupied.
LS	**Laser**	Used to remotely test battery units by means of pointing a laser at the battery unit.
LTS	**light activated test switch**	Used to remotely test battery units by pointing a flashlight at a photocell mounted on the bottom of a battery unit.
TC	**teflon coated lens**	A protective teflon coating that is applied to the glass lens of a lighting fixture to prevent broken shards from falling in the event the glass is accidently broken or vandalised.
RRT	**remote test receiver**	Used to perform maintenance tests by means of radio reciever in conjunction with a transmitter(HHC option) on battery units that are out of reach. Simply point the receiver at the unit.
NEX	**Nexus system interface**	The NEXUS system interface is a computerized maintenance system for emergency lighting that, once programmed, will perform the tests, keep written records and send notification if anything needs to be fixed. One full system can address hundreds of units in as many buildings as you need from a single location.
T3	**15 minutes time delay**	Normally, when the a.c. is restored, all emergency lighting lamps are turned off. However, in some cases such as when metal halide lamps are used, it is possible that the general lighting will not be availbe for several minutes after the blackout (or brownout) period. Battery units with the T3 option will keep some energy in store to ensure that the emergency lighting stays on or comes back on for at least 15 minutes once the regular a.c. power has been restored.
TD	**time delay (programmable)**	Same as the T3 option but can be programmed for 5, 10, 15 or 20 minutes delay.
TP	**tamper proof screws**	Screws that require a special bit. Can be used on certain units to deny access to unauthorized personnel.
TL	**twistlock plug**	Used to facilitate the connection and removal of battery units for maintenance purposes.
TMBB	**a.c./d.c. terminal block**	Used to facilitate the connection of large gauge input cables.
TMBD	**d.c. terminal block**	Used to facilitate the connection of large gauge d.c. input cables.
TMBK	**a.c. terminal block**	Used to facilitate the connection of large gauge a.c. input cables.
V	**voltmeter**	Indicates voltage being supplied to the battery when in charge mode.