

Q-BIC RGS-QB Battery Unit

6, 12 and 24 volts, thermoplastic cube units



Features

- Impact-resistant steel center cabinet contains the battery and charger
- Frosted, thermoplastic light cubes protect light modules against vandalism while providing visual masking and light diffusion
- Units can be wall or ceiling mounted
- Choice of lamps include mini tungsten wedge base, mini halogen quartz bi-pin and halogen MR16
- Maintenance-free, sealed lead calcium battery
- 120/347Vac standard input
- Fully automatic, solid-state charger with low voltage battery disconnect, brownout protection, integral test switch and LED AC-On pilot lights
- Also available as a remote fixture; see Remote Fixtures section of this catalogue
- CSA C22.2 No. 141 certified

NEXUS



Made in Canada



Typical Specification

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 _____ volts.

The charger shall be fully computer tested and its charge voltage factory set to $\pm 1\%$ 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 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 heads when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the battery from the fused output circuit at 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 a 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 unit shall come complete with fully adjustable 12V or 24V/12 watts or 20 watts quartz halogen lamps. Each lamp shall be housed in an impact-resistant polycarbonate cube. The cube lens shall be frosted to diffuse light.

The unit shall be Lumacell model:

_____.

In the same family...



SURFACE MOUNTED

Remote Fixture

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Project/Location		Date
Contractor		Prepared by
LUMACELL Model		

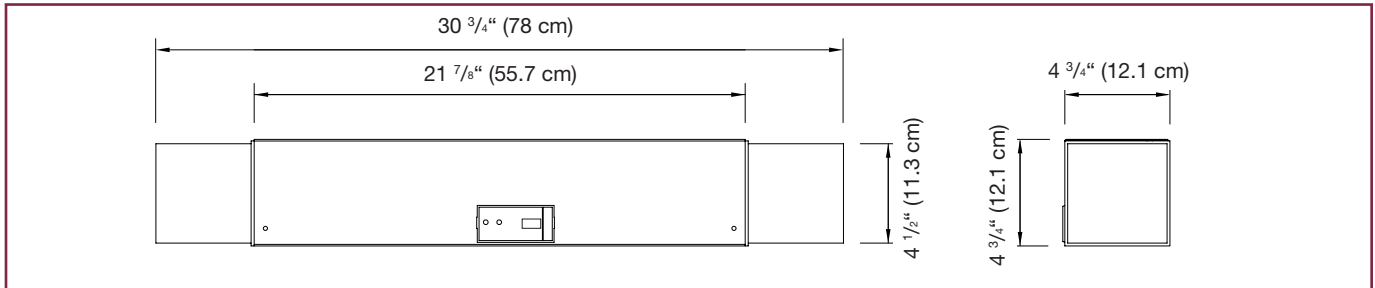


Wire Guard

460.0097-L Wall or Ceiling Mount

Q*BIC SERIES

Dimensions



Power Consumption and Unit Rating

Model	AC Specs	Wattage Capacity					
		30min	1h00	1h30	2h00	4h00	
RG36QB	120/347 Vac	0.10/0.04 Amp	36	21	15	12	6
RG72QB		0.22/0.08 Amp	72	42	30	24	12
RG108QB		0.22/0.08 Amp	108	63	45	36	18
RG180QB		0.22/0.08 Amp	180	105	75	60	30
RG1236QB		0.10/0.04 Amp	36	21	15	12	6
RG1272QB		0.15/0.06 Amp	72	42	30	24	12
RG12144QB		0.41/0.14 Amp	144	84	60	48	24
RG12200QB		0.41/0.14 Amp	200	117	83	67	33
RG24144QB		0.55/0.20 Amp	144	84	60	48	24
RG24288QB		0.67/0.23 Amp	288	168	120	96	48

Replacement Lamps

Ordering Code	Lamp Type	Voltage
570.0016-L	Mini tungsten	6V - 9W
570.0025-L	Mini tungsten	12V - 9W
570.0045-L	Mini tungsten	24V - 9W

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

Ordering Information

Series	Capacity	Housing	AC Voltage	# of Lamps	Lamp style/Wattage	Options
RG= 6 volts	36= 36 watts	QB= Q-Bic	Blank= 120/347 Vac input	2= two lamps	9W= mini tungsten, 6V, 12V, 24V, 9W, wedge base	Blank= no options AT= Auto-Test *ATN= Auto-Test non-audible CT= cabtire LC= line cord (120V only.) LD= lamp disconnect **RRT= remote test receiver TD= time delay TL= twistlock plug TMBK= ac terminal bloc TP= tamper-proof screws ***HHC= remote test transmitter ***990.0119-L= tamper-proof bit NEX= NEXUS® system interface
	72= 72 watts				18W= mini tungsten, 12V, 24V, 18W, wedge base	
	108= 108 watts				8W= mini halogen, 6V, 12V, 8W, quartz bi-pin	
	144= 144 watts				12W= mini halogen, 6V, 12V, 12W, quartz bi-pin	
RG12= 12 volts	180= 180 watts		ZE= 220 Vac, 50 Hz input		20W= mini halogen, 6V, 12V, 24V, 20W, quartz bi-pin	**Not available for 6V-72W, 12V-144W, 200W. **Remote transmitter needed. ***One per order
	36= 36 watts				M6W= mini halogen, 6V, 6W, MR16	
	72= 72 watts				M10W= mini halogen, 6V, 10W, MR16	
	144= 144 watts				M12W= mini halogen, 12V, 12W, MR16	
RG24= 24 volts	200= 200 watts				M20W= mini halogen, 12V, 24V, 20W, MR16	
	288= 288 watts				M35W= mini halogen, 12V, 24V, 35W, MR16	
	144= 144 watts				M50W= mini halogen, 12V, 24V, 50W, MR16	
	288= 288 watts					

EXAMPLE: RG36QB29W

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 occurs, 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 accidentally broken or vandalised.
RRT	remote test receiver	Used to perform maintenance tests by means of radio receiver 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 available 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.