

# Q-BIC RGS-QB Battery Units

Decorative 6, 12 and 24 volts,  
thermoplastic cube units

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

## Q-BIC RGS-QB SERIES

### 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

### 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 \_\_\_\_\_ 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: \_\_\_\_\_.

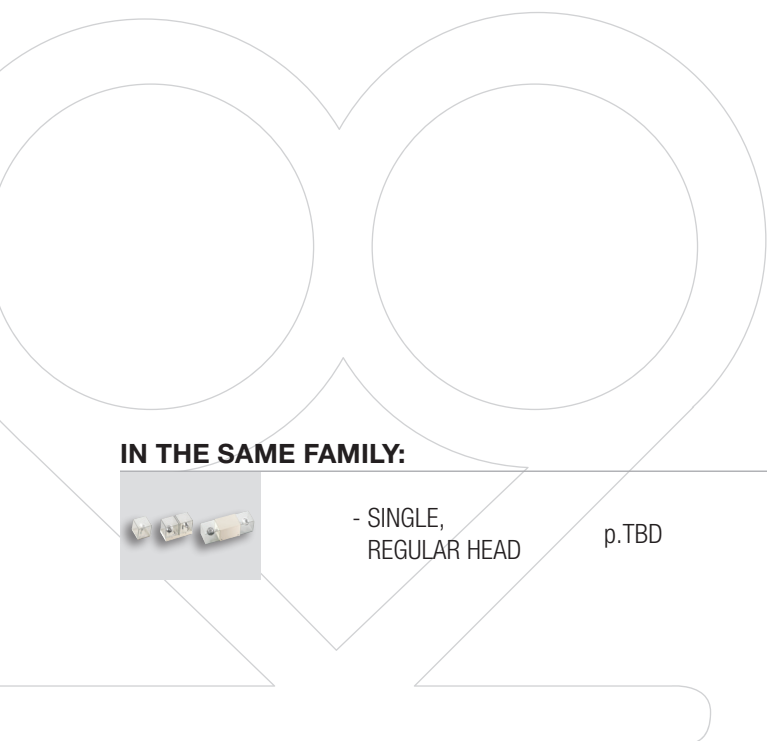
### WIRE GUARDS

460.0097-L	Wall Mount or Ceiling Mount
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### REPLACEMENT LAMPS

ORDERING CODE	TYPE	VOLTAGE/ WATTAGE
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

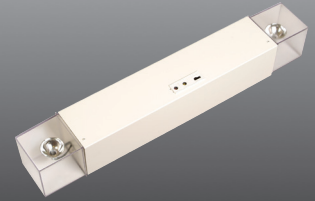


### IN THE SAME FAMILY:



# Q-BIC RGS-QB Battery Units

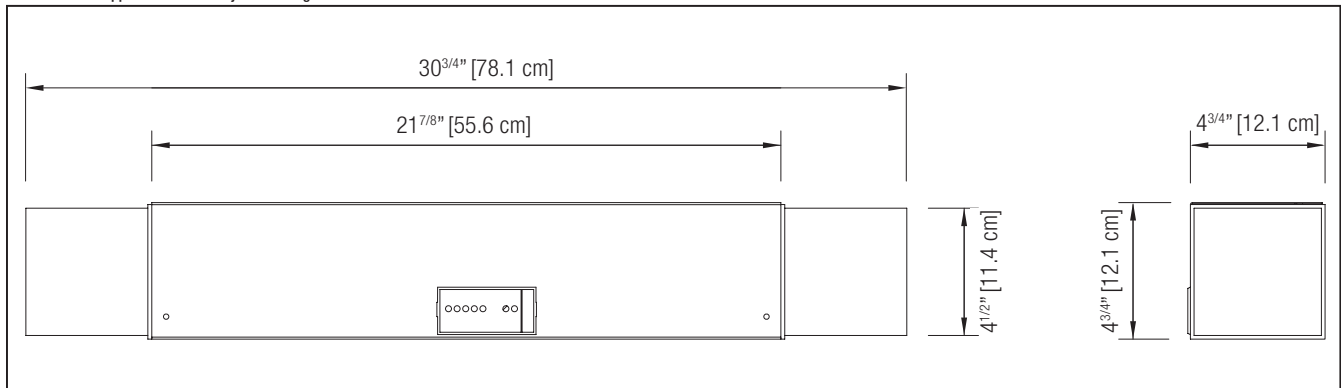
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### DIMENSIONS

Dimensions are approximate and subject to change.



### POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS	WATTAGE CAPACITY					
		30MIN	1H00	1H30	2H00	4H00	
RG36QB	120/347Vac	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

### ORDERING INFORMATION

SERIES	CAPACITY	HOUSING	AC VOLTAGE	# OF LAMPS	LAMP STYLE/WATTAGE	OPTIONS
<b>RG=</b> 6 volts	<b>36=</b> 36 watts <b>72=</b> 72 watts <b>108=</b> 108 watts <b>144=</b> 144 watts <b>180=</b> 180 watts	<b>QB=</b> Q-Bic	<b>Blank=</b> 120/347 Vac input <b>ZB=</b> 240 Vac input <b>ZC=</b> 277 Vac input <b>ZE=</b> 220 Vac, 50 Hz input	<b>2=</b> two lamps	<b>9W=</b> mini tungsten, 6V, 12V, 24V, 9W, wedge base <b>18W=</b> mini tungsten, 12V, 24V, 18W, wedge base <b>8W=</b> mini halogen, 6V, 12V, 8W, quartz bi-pin <b>12W=</b> mini halogen, 6V, 12V, 12W, quartz bi-pin <b>20W=</b> mini halogen, 6V, 12V, 24V, 20W, quartz bi-pin <b>LD1=</b> 6V, 4W, MR16 LED <b>LD7=</b> 12V, 4W, MR16 LED <b>LD13=</b> 24, 4W, MR16 LED <b>M6W=</b> mini halogen, 6V, 6W, MR16 <b>M10W=</b> mini halogen, 6V, 10W, MR16 <b>M12W=</b> mini halogen, 12V, 12W, MR16 <b>M20W=</b> mini halogen, 12V, 24V, 20W, MR16 <b>M35W=</b> mini halogen, 12V, 24V, 35W, MR16 <b>M50W=</b> mini halogen, 12V, 24V, 50W, MR16	<b>Blank=</b> no options <b>AT=</b> auto-test <b>*ATN=</b> auto-test non-audible <b>CT=</b> cabtire <b>LC=</b> line cord (120V only) <b>LD=</b> lamp disconnect <b>RRT=</b> remote test receiver (remote transmitter needed). <b>TD=</b> time delay <b>TL=</b> twistlock plug <b>TMBK=</b> AC terminal bloc <b>TP=</b> tamper-proof screws <b>HHC=</b> remote test transmitter (one bit per order) <b>990.0119-L=</b> tamper-proof bit (one bit per order) <b>**NEX=</b> NEXUS® system interface <b>**NEXRF=</b> wireless NEXUS® system interface  *Not available for 6V-72W, 12V-144W, 200W. ** Consult your sales representative for options available with NEXUS® system.
<b>RG12=</b> 12 volts	<b>36=</b> 36 watts <b>72=</b> 72 watts <b>144=</b> 144 watts <b>288=</b> 288 watts					
<b>RG24=</b> 24 volts	<b>144=</b> 144 watts <b>288=</b> 288 watts					

EXAMPLE: RG36QB29W