



Q-BIC™ RGS-QB Series

Decorative 6, 12 and 24V,
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
- 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
- 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

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.

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 6V-4W LED lamps. The cube lens shall be frosted to diffuse light.

The unit shall be CSA 22.2 No. 141-15 certified.

The unit shall be Lumacell® model: _____.

IN THE SAME FAMILY:



- RSQB/RSQBD/RSQB2 Series
Remote Fixtures

WIRE GUARDS

460.0097-L	Wall Mount or Ceiling Mount
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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

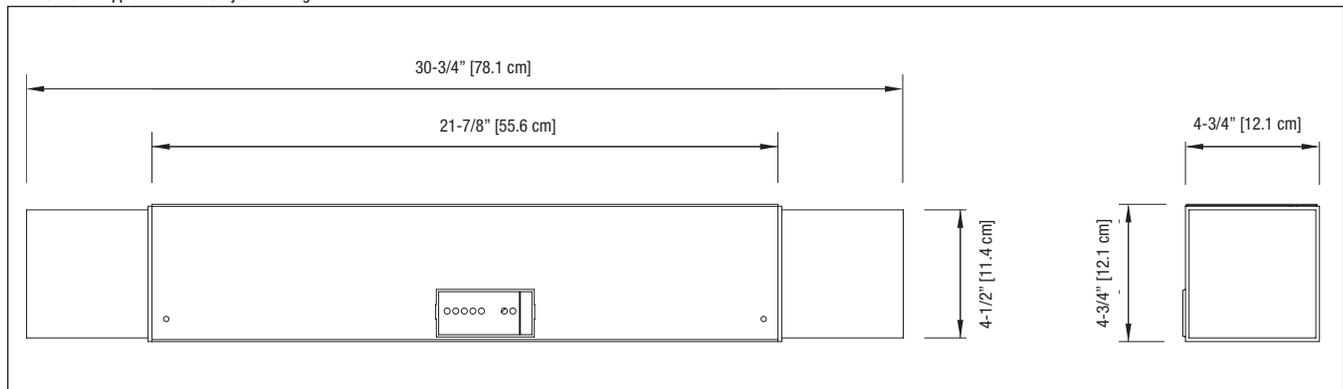
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DIMENSIONS

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	0.10/0.04A	36	21	15	12	6
RG72QB		0.22/0.08A	72	42	30	24	12
RG1236QB		0.10/0.04A	36	21	15	12	6
RG1272QB		0.15/0.06A	72	42	30	24	12
RG12144QB		0.41/0.14A	144	84	60	48	24
RG24144QB		0.55/0.20A	144	84	60	48	24

ORDERING INFORMATION

SERIES	CAPACITY	HOUSING	VOLTAGE	# OF LAMPS	LAMP STYLE AND WATTAGE	OPTIONS
RG= 6V	36= 36W 72= 72W	QB= Q-Bic	Blank= 120/347 VAC input ZC= 277VAC input	2= two lamps	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	AT = auto-test* ATN = auto-test, non-audible* NEX = NEXUS® system interface* NEXRF = wireless NEXUS® system interface* CT = cab-tire LC = line cord (120V only)*** LD = lamp disconnect TD = time delay (15 minutes) TL = twistlock plug (120V)*** TMBB = AC/DC terminal block***** TMBD = DC terminal block TMBK = AC terminal block TP = tamper-proof screws****
RG12= 12V	36= 36W 72= 72W 144= 144W					
RG24= 24V	144= 144W					

* Minimum lamp load required: 20% of unit capacity.
 * Not all options are available with NEXUS® system. Please consult your sales representative.
 *** 120V is standard
 **** 990.0119-L= tamper-proof bit (sold separately)
 ***** Only available with maximum 6V, 12V-144W

EXAMPLE: RG36QB2LD1