



# Q-BIC™ RGS-QB Series

Decorative 6, 12 and 24V,  
Thermoplastic Cube Units

Type: \_\_\_\_\_  
 Project/Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Model No.: \_\_\_\_\_

## 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
- Meets or exceeds CSA 22.2 No. 141-15

See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)



nexus®

### IN THE SAME FAMILY:



- RSQB/RSQBD/RSQB2 Series  
Remote Fixtures  
p.139

## 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 ± 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 WW or 20 W 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 CSA 22.2 No. 141-15 certified.

The unit shall be Lumacell® model: \_\_\_\_\_.

## WIRE GUARDS

460.0097-L	Wall Mount or Ceiling Mount
------------	-----------------------------

## 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
580.0097-L	MR16, LED	6V-4W
580.0093-L	MR16, LED	12V-4W
580.0104-L	MR16, LED	12V-5W
580.0098-L	MR16, LED	24V-4W
580.0100-L	MR16, LED	24V-6W
580.0095-L	MR16, LED	120V-4W
580.0106-L	MR16, LED	120V-4W

For the complete list, please see the lamp chart on page 152-154.

Type: \_\_\_\_\_  
 Project/Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Model No.: \_\_\_\_\_

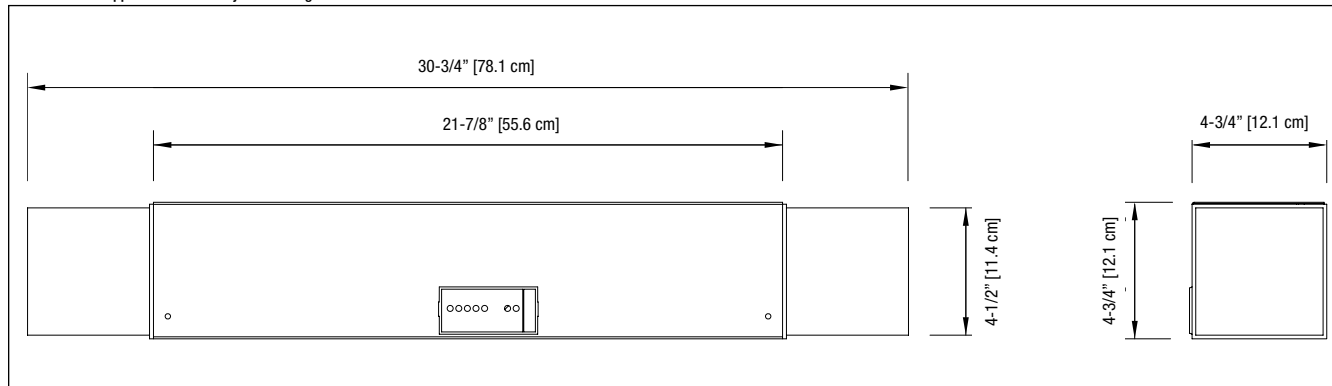
# Q-BIC™ RGS-QB Series

Decorative 6, 12 and 24 V,  
Thermoplastic Cube Units



## 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
RG108QB		0.22/0.08A	144	84	60	48	24
RG180QB		0.22/0.08A	180	105	75	60	30
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
RG12200QB		0.41/0.14A	200	117	83	67	33
RG12288QB		0.41/0.14A	288	168	120	96	48
RG24144QB		0.55/0.20A	144	84	60	48	24
RG24288QB		0.67/0.23A	288	168	120	96	48

## ORDERING INFORMATION

SERIES	CAPACITY	HOUSING	VOLTAGE	# OF LAMPS	LAMP STYLE AND WATTAGE	OPTIONS
RG= 6V	36= 36W 72= 72W 144= 144W 180= 180W	QB= Q-Bic	Blank= 120/347 VAC input ZC= 277VAC input	2= two lamps	LD1= MR16 LED, 6V-4W 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 M6W= MR16 halogen, 6V-6W M10W= MR16 halogen, 6V-10W M12W= MR16 halogen, 12V,24-12W M20W= MR16 halogen, 12V, 24V-20W M35W= MR16 halogen, 12V, 24V-35W M50W= MR16 halogen, 12V, 24V-50W 9W= mini tungsten, 6V, 12V, 24V-9W, wedge base 18W= mini tungsten, 12V, 24V-18W, wedge base 8W= mini halogen, 6V, 12V-8W, bi-pin 12W= mini halogen, 6V, 12V-12W, bi-pin 20W= mini halogen, 6V, 12V, 24V-20W, bi-pin	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 RR2= remote test receiver** TL= twistlock plug (120V)*** TMBB= AC/DC terminal block TMBD= DC terminal block TMBK= AC terminal block TP= tamper-proof screws**** T3= time delay (15 minutes)
RG12= 12V	36= 36W 72= 72W 144= 144W 200= 200W 288= 288W					
RG24= 24V	144= 144W 288= 288W					

\* Minimum lamp load required: 20% of unit capacity.  
 \* Not all options are available with NEXUS® system. Please consult your sales representative.  
 \*\* HH2= remote test transmitter (sold separately)  
 \*\*\* 120V is standard  
 \*\*\*\* 990.0119-L= tamper-proof bit (sold separately)

EXAMPLE: RG36QB29W