

**PRODUCT OVERVIEW**

The RTB series of indoor architectural emergency lighting units are specifically designed for installation into T-bar type ceiling grid systems. The “above ceiling” installation provides for a clean and architecturally pleasing appearance. The RTB series utilizes a pulse switching charger that offers superior performance and energy efficiency. Par36 style emergency heads are standard.

**EXTERNAL SPECIFICATIONS**

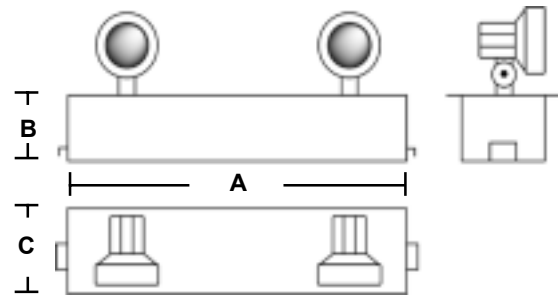
The RTB series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; LR Par36 style heads are standard, SR Par18 style heads are optional. Secure side brackets mount directly onto the T-bar; chain mounting holes are easily accessible. Conduit knockouts are stamped into the sides of each unit. External test switch and monitor LED are standard.

**LAMP SELECTION**

- 6V TUNGSTEN: standard: 9w,  
(H) halogen: 8w, 10w, 12w, 20w
- 6V SEALED BEAM: (SB) standard: 9w, 12w, 18w  
(SBH) halogen: 12w, 20w
- 12V TUNGSTEN: standard: 9w, 18w  
(H) halogen: 8w, 12w, 20w, \*35w, (\*LR only)
- 12V SEALED BEAM: (SB) standard: 12w, 18w  
(SBH) halogen: 8w



**DIMENSIONS (in.)**



Wattage	A"	B"	C"
27W-100W	24"	4"	5"

**ORDERING INFORMATION**

Series	Operation	Capacity	Heads	Lamp Type	Options
RTB	6 (volt DC)	27 (6v)	1SR (single Par18)	See	AT (auto-test)
	12 (volt DC)	36 (6v, 12v)	2SR (double Par18)	lamp	NC (nickel cadmium battery)
		54 (6v, 12v)	1LR (single Par36)	selection	TD (time delay - specify volt)
	100 (6v, 12v)	2LR (double Par36)		CC (custom color)	
			0 (no heads)		VM (volt meter)

EXAMPLE: RTB-6-54-2LR-6V18W(SB)-AT

DESCRIPTION: RTB emergency luminaire, emergency only, 120/277, 6v, 54w, 2 Par36 heads, 6V 18W sealed beam lamp, auto-test

# RTB Technical Data

## MOUNTING SPECIFICATIONS

The RTB is designed to be installed into T-bar type grid ceiling systems. This type of mounting provides a clean and architecturally conscious installation since the cabinet and all wiring connections can be hidden above the ceiling. Once installed, all that remains visible is the attractive front plate and unit lamp heads. The RTB has a T-bar mounting bracket located on each side of the unit that aligns the unit onto the T-bar grid. Various chain holes can also be accessed to chain mount the unit to secure points above the ceiling line.

## MECHANICAL SPECIFICATIONS

The RTB is constructed with a solid and durable 20 gauge steel housing. Stamped conduit knockouts are provided on the sides of all RTB units. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The RTB is supplied standard in a durable white powder coat, baked finish. Other colors are available, including color matching, please specify.

## CHARGER SPECIFICATIONS

The RTB series utilizes a pulse switching charger that is up to 70% more efficient than older constant voltage chargers. The charger is a fully automatic current limited charger with solid state line-latched low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

## LAMP HEAD FEATURES

The RTB series is typically supplied with two (2) LR Par36 style 9w heads. SR Par18 heads are also available. Both head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (white is standard). Both feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping.

## INSTALLATION

The RTB emergency luminaire is suitable for installation on T-Bar type grid ceiling system. Suitable for indoor installations on normally inflammable surfaces. 120/277VAC.

## BATTERY TECHNOLOGY

The RTB series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes (for the listed rating). Recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50°C.

## MODEL RATING GUIDE

Model	Voltage	Wattage			
		90	120	180	240
RTB-6-27	6	27	20	14	10
RTB-6-36	6	36	24	18	12
RTB-6-54	6	54	40	34	20
RTB-12-36	12	36	24	18	12
RTB-12-54	12	54	40	34	20
RTB-12-100	12	100	75	50	40

## BEGHELLI AUTO-TEST (AT)

The RTB auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

## WARRANTY

The RTB comes from the factory with an unconditional 5 year product warranty. Lamps are not covered.