RTB

INDOOR | **BAA** | **UL CERTIFIED**

Job/Location: _____

Contractor: _____

Prepared By: _____

Job Type: _____

Date: _____

Welded grid hooks securely hold the **RTB** in place.

Trim held firmly in place with two (2) high tension spring clips. This eliminates any screws and maintains the clean appearance.

Installation: Specifically designed for installation into a T-bar type grid ceiling, for a clean and architecturally pleasing appearance.

Housing: Constructed from durable 20 gauge steel. White powder coat standard.

Lamps: PAR36 (LR) style heads are standard. PAR18 (SR) style heads are optional. MR16 (BTMR) are also offered. Multiple lamp options are available.
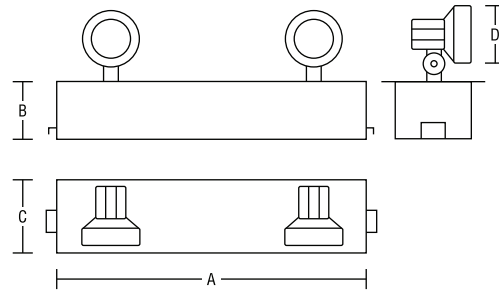
specifications: internal

The RTB is configured with universal 120/277VAC input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

specifications: external

The RTB housing is constructed with durable 20 gauge steel. Stamped conduit knockouts are provided on the sides of all RTB units. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The RTB is finished in a durable white powder coat. Other colors are available, including color matching. PAR36 (LR) style heads are standard. PAR18 (SR) style heads are optional. MR16 (BTMR) are also offered. External test switch and monitor LED are standard.

dimensions (in,mm)

Cabinet	A	B	C
A	23.75"	8.12"	4.75"
	603mm	206mm	121mm

NOTE: Dimension D (see drawing) will vary based on heads supplied.

ordering logic

EXAMPLE: RTB 660 2LR9W AT

Series	Operation	Pb-A (Capacity)	Ni-Cd[1] (Capacity)	Emergency Heads	Lamps	Options
RTB	6	18 (6V)	42 (6V, 12V)	2LR (double PAR36)	See lamp	ACTB (terminal block AC)
	12	27 (12V)	90 (6V, 12V)	1LR (single PAR36)	selection	AM (ammeter)
		36 (12V)		0 (no heads)	on next page	AT (autotest)
		60 (6V,12V)		2SR (double PAR18)		B (black finish)
		72 (6V, 27V)		1SR (single PAR18)		BZ (audible alarm - buzzer)
				2BTMR (double, MR16)		CC (custom color - specify)
				1BTMR (single, MR16)		DCTB (terminal block DC)
						FAI[2] (fire alarm interface)
						IRT[3] (infrared testing)
						NC[4] (nickel-cadmium battery)
						TD[5] (time delay - 5, 10, 15 min.)
						TP (tamper proof screws)
						VM (voltmeter)

NOTE 1: Must select NC from options when selecting Ni-Cd.
NOTE 2: Consult factory.
NOTE 3: Available for capacities up to 36W (6V or 12V). HHC (controller for IRT) should be ordered separately (item code:476000021).

NOTE 4: NC (select wattage/voltage from Ni-Cd column).
NOTE 5: Specify AC input voltage and time delay (10 min standard)

■ emergency heads

The RTB is normally supplied with two [2] PAR36 (LR) style heads. PAR18 (SR) style heads are optional, or BTMR white steel heads utilizing MR16 lamps are also available option. The LR and SR head types feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

■ specifications: electrical

BATTERY: The RTB is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes. Optional nickel cadmium batteries are available. Recharge time of the battery is twenty-four [24] hours. The maximum working temperature is 45° C. The minimum working temperature is 10°C. Nickel cadmium batteries are available as an option.

CIRCUIT: The RTB utilizes a high-efficiency two stage charger providing a fully automatic constant charging current with 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 test switch allows maintenance personnel to quickly determine the operational status of the unit.

■ specifications: mechanical

Torsion springs firmly hold the RTB cover in place allowing for easy installation and maintenance. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation.

■ autotest

The Beghelli Autotest system performs one 5 minute discharge test monthly. Every 6 months two 90 minute discharge tests are performed. This tests both full battery capacity and recharge capability, as required by the fire code. The information is communicated simply and intuitively to maintenance personnel via a single multi-color LED. The Beghelli Autotest system also includes 0, 5, 10 or 20 minute time Autotest delay function to allow HID lighting to restrike.

- ● Red: Battery or Circuit Malfunction
- ● Yellow: Lamp Malfunctioning
- ● Green: Normal Operation

■ lamp selection

	6V	12V
Incandescent	7.2, 9W	9, 12, 18W
Halogen (H)	12W	12, 20W
MR16 LED	5, 7W	2, 5, 7W

■ model rating guide

Model	Voltage	Wattage			
		90min	120min	180min	240min
RTB 618	6	18	14	9	7
RTB 642	6	42	32	21	16
RTB 660	6	60	45	30	23
RTB 672	6	72	54	36	27
RTB 690	6	90	68	45	34
RTB 1227	12	27	20	14	10
RTB 1236	12	36	27	18	13
RTB 1242	12	42	32	21	16
RTB 1260	12	60	45	30	23
RTB 1272	12	72	54	36	27
RTB 1290	12	90	68	45	34
RTB 12108	12	108	80	54	40

NOTE: Cabinet size may change based on configurations.

■ warranty

The RTB comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.