

RSE Recessed Steel Battery Unit

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

High-efficiency
two stage charger

20 gauge steel cabinet

6V and 12V
up to 150W capacity



Designed to fully recess
into a wall or ceiling

Torsion springs securely
hold the cover in place and
allow for easy maintenance



EXTERNAL SPECIFICATIONS

The **RSE** series cabinet is constructed from durable 20 gauge steel. White powder coat finish is standard (other colours optional). Emergency lighting heads are molded from high impact thermoplastic in a matching colour; SR PAR18 style heads are standard, LR PAR36 and BTMR MR16 style heads are optional. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

The **RSE** series is configured with universal 120/277/347VAC input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection. CSA 22.2 No. 141-15 Performance Certified.

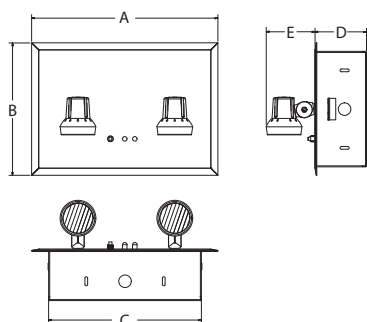
ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Voltage	Options
RSE	6 (Volt DC)	See model rating guide	0 (None)	See lamp guide	120/277/347V	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)		1SR (PAR18, 1 head)			AT (Auto-test)
			2SR (PAR18, 2 heads)			*TD (Time delay - specify 5, 10, 20 mins)
			3SR (PAR18, 3 heads)			CC (Custom colour)
			1BTMR (MR16, 1 head)			TC (Teflon coated lens)
			2BTMR (MR16, 2 heads)			BZ (Emergency buzzer)
			1LR (PAR36, 1 head)			ADA (Audible alarm - failure indication)
			2LR (PAR36, 2 heads)			**FAI (Fire alarm interface - specify type)
						*RFS (Radio frequency suppression)
						IRT (Infra-red remote test)
						HHC (Hand held controller)
						TP (Tamper proof screw)
						A (Ammeter)
						V (Voltmeter)

NOTE: *AC voltage must be specified ** Specify open/closed/6-24 VAC

EXAMPLE: RSE-12-90-2LR-9W-120/277/347V

DESCRIPTION: RSE emergency luminaire, emergency only, 12V, 90W, 2 PAR36, 12V 9W lamps, 120/277/347V

DIMENSIONS (MM, IN.)

Series	A	B	C	D
RSE	330mm	235mm	273mm	89mm
	13"	9 1/4"	10 3/4"	3 1/2"

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

MECHANICAL SPECIFICATIONS

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

CHARGER SPECIFICATIONS

The **RSE** series utilizes a high-efficiency two stage charger providing precise float voltage control 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 push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

BATTERY TECHNOLOGY

The **RSE** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd Batteries are optional. Recharge time of the battery is twenty-four [24] hours. The maximum battery operating temperature is +40°C and the minimum is +10°C.

LAMP HEAD FEATURES

The **RSE** series is normally supplied with two [2] SR PAR18 style heads. LR PAR36 style thermoplastic or BTMR white steel heads utilizing MR16 lamps are also available options. Both lamp head styles come in a colour matching the finish of the cabinet (white is standard). Both head types feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

INSTALLATION

The **RSE** emergency luminaire is suitable for recessed ceiling or wall mounting. Suitable for indoor installation 120/277/347VAC.

BEGHELLI AUTO-TEST (AT)

The Beghelli auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED.

MODEL RATING GUIDE

Model	Voltage (input)	Wattage		
		30min	90min	120min
RSE-6-36	6	36	12	10
RSE-6-50	6	50	18	15
RSE-6-50-NC	6	50	22	18
RSE-6-80	6	80	27	24
RSE-6-90	6	90	36	27
RSE-6-100-NC	6	100	42	35
RSE-12-72	12	72	27	22
RSE-12-90	12	90	36	27
RSE-12-100-NC	12	100	45	35
RSE-12-120	12	120	65	36
RSE-12-150	12	150	65	45

RECESSED DESIGN

The **RSE** series emergency unit is designed to be fully recessed into a ceiling or wall. The fully recessed design makes the **RSE** ideal for running remote loads and maintaining an architectural element.

LAMP SELECTION (SEALED BEAM ONLY IN LR PAR36 STYLE HEAD)

	6V	12V
Composite Tungsten	7.2, 9W	9, 12, 18W
Composite Quartz (Q)	6, 8, 10, 12W	12, 20 (55W PAR36 only)
MR16 (SR or BTMR)	N/A	20, 35, 50W
LED-MR16 (SR or BTMR)	5, 7W	2, 5, 7W
LED Module	3, 4W	3, 4W