

Model: _____ Job Name: _____
 Type: _____ Date: _____



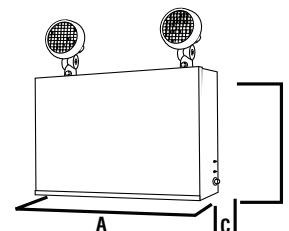
■ specifications: internal

The EST is configured with 120/277V input and 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. Charger status is easily determined via a dual diagnostic LED display. Standard features include low voltage disconnect, AC lockout and brownout protection.

■ specifications: external

The EST cabinet is constructed with 20 gauge steel for models below 42W and 18 gauge for $\geq 42W$. Terminal connectors allow for larger gauge wires to be connected for remote loads. A universal knockout pattern with keyhole slots on the back of the unit optimizes mounting flexibility. Standard conduit knockouts provide the EST with the widest range of options for AC power source connection.

■ dimensions



Unit Size	A	B	C
6V (27-42W), 12V (27-42W)	15" (381mm)	9 1/2" (241 mm)	4 1/4" (108 mm)
6V (54-120V), 12V (6-140W), 24V (100W)	10" (254 mm)	9" (229 mm)	3 1/4" (83 mm)

*NOTE: Cabinet size may vary based on product configuration. Dimension D in drawing above will vary based on heads supplied.

■ ordering logic

EXAMPLE: EST 6 36 2LR9W

Series	Operation	Pb-A (Capacity)	Ni-Cd ³ (Capacity)	Emergency Heads	Lamps	Options
EST	6V	27(6V,12V)	42 (6V, 12V)	2LR (double PAR36, std)	See lamp selection on next page	ACTB (terminal block AC)
	12V	36 (6V,12V)	54 (6V)	1LR (single PAR36)		AM (ammeter)
	24V	60 (6V, 12V)	90 (6V, 12V)	2BTMR (double, MR16)		AT (autotest)
		72 (6V, 12V)	100 (24V)	1BTMR (single, MR16)		BLK (black finish)
		100 (6V)	130 (12V)	2SR (double PAR18)		BZ (buzzer)
		120 (6V, 12V)		1SR (single PAR18)		CC (custom color- specify)
		140 (12V)		2TESSQ (double LED head)		CS120 (cord set, 120V only)
				1TESSQ (single LED head)		DCTB (terminal block DC)
				0 (no heads)		FAI ¹ (fire alarm interface)
						IRT ² (infrared testing- specify input voltage)
						NC ³ (Ni-Cd)
						TD ⁴ (time delay - specify 5, 10, 15 min)
						TP (tamper proof screws)
						VM (voltmeter)

NOTE 1: Specify type of fire alarm signal: normally open, normally closed or 6, 12, 24VDC (specify voltage used)

NOTE 2: HHC (hand held controller for IRT) should be ordered separately (item code:476000021)

NOTE 3: Must select NC from options and indicate wattage/voltage from Ni-Cd column.

NOTE 4: Must specify input voltage and delay time (10 min standard)

** Aluminum heads not rated for wet location.

■ emergency heads

The **EST** is supplied with two (2) top-mounted 9W incandescent LR style (PAR36) thermoplastic lamp heads. LED options include: BTMR die-cast aluminum heads with LED MR16 lamps, SR LED lamp heads, LR lamp heads with 6W sealed beam LED and TESSQ square LED lamp heads. Lamp heads can be mounted on the top or the sides of the unit. The LR lamp heads are available in standard white finish to match the cabinet. BTMR, TESSQ and SR lamp heads are available in black and white finish only. Heads feature a unique twist-locking collar that securely holds the lens and facilitates quick and easy re-lamping.

■ specifications: electrical

BATTERY: The **EST** 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 24 hours. An optional Nickel-Cadmium battery is available. The operating temperature is 50°F to 104°F (10°C to 40°C).

■ specifications: mechanical

The **EST** is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify. 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. Compatible with BTMR and TESTA remotes. Consult factory for additional options.

■ autotest

The Beghelli Autotest system (optional) 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 delay function to allow HID lighting to re-strike. IRT one button press tests unit for 90 minutes per code.

■ warranty

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

■ lamp selection

	6V	12V	24V
Incandescent	7.2, 9W	9, 12, 18W	9, 18W PAR36
Quartz	12W	12, 20W	n/a
MR16 LED	5, 7W	2, 5, 7W	5, 7W
TESSQ	n/a	5, 9, 14, 30W	5, 9, 14, 30W
SEALED BEAM LED (PAR36 only)	n/a	6W	6W

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EST 627	6	27
EST 636	6	36
EST 660	6	60
EST 672	6	72
EST 6100	6	100
EST 6120	6	120
EST 1227	12	27
EST 1236	12	36
EST1260	12	60
EST1272	12	72
EST12120	12	120
EST 12140	12	140

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EST 642	6	42
EST 654	6	54
EST 690	6	90
EST 1242	12	42
EST 1290	12	90
EST 12130	12	130
EST 24100	24	100

Note: To properly size unit, ensure sufficient capacity is chosen to run lamp wattages on unit plus any additional load. For example, if the unit is configured with 2 lamp heads of 30W each, the minimum capacity required is 60W. Any additional load will require additional capacity.