EST

INDOOR | BAA | UL CERTIFIED

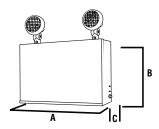| Job/Location: | | Job Type: | |
| Contractor: | | | |
| Prepared By: | | Date: | |

■ 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.

Unit Size	A	B	C
(6V 36W) (12V 36W)	10" (254mm)	9" (229mm)	3$^{1/4}$" (82mm)
(6V 42W-90W) (12V 60-90W)	13$^{1/2}$" (343mm)	10$^{1/8}$" (257mm)	4$^{1/4}$" (108mm)

*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	36 (6V,12V)	42 (6V, 12V)	2LR (double PAR36)	See lamp selection	ACTB (terminal block AC)
	12V	60 (6V, 12V)	90 (6V, 12V)	1LR (single PAR36)	on next page	AM (ammeter)
				2BTMR (double, MR16)		AT (autotest)
				1BTMR (single, MR16)		B (black finish)
				2SR (double LED module)		BZ (buzzer)
				1SR (single LED module)		CC (custom color- specify)
				0 (no heads)		CS120 (cord set, 120V only)
						DCTB (terminal black DC)
						FAI[1] (fire alarm interface)
						IRT[2] (infrared testing)
						NC[3] (Ni-Cd)
						TD[4] (time delay - specify 5, 10, 15 min)
						TP (tamper proof screws)
						VM (voltmeter)

NOTE 1: Specify open/closed/6-24VDC.
NOTE 2: HHC (controller for IRT) should be ordered seperately (item code:476000021).
NOTE 3: Must select NC from options and indicate wattage/voltage from Ni-Cd column.
NOTE 4: Must specify at time of order. Specify voltage
** Aluminum heads not rated for wet location.

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Technical

■ emergency heads

The **EST** is supplied with two (2) top mounted 9W incandescent LR style heads. LED lamp head options include: BTMR steel heads utilizing LED MR16 lamps, SR thermoplastic LED module heads and 6W sealed beam LED (SBLED) lamps in LR style heads. Lamp heads can be mounted either on the top or on the sides of the unit. The LR lamp heads are constructed of high impact thermoplastic in a color matching the finish of the cabinet (white is standard). BTMR and SR lamp heads are available in white and black 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 area 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
Incandescent (LR)	9W	9, 12, 18W
MR16 LED (BTMR)	5, 7W	2, 5, 7W
LED MODULE (SR)	3, 4W	3, 4W
SEALED BEAM LED (SBLED)		6W

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EST-6-36	6	36
EST-6-60	6	60
EST-12-36	12	36
EST-12-60	12	60

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EST-6-42	6	42
EST-6-90	6	90
EST-12-42	12	42
EST-12-90	12	90

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