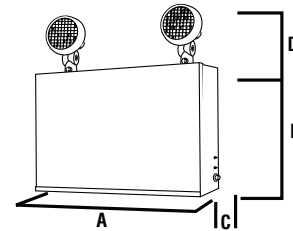


Job/Location: _____	Job Type: _____
Contractor: _____	
Prepared By: _____	
Date: _____	



■ 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** is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots are also provided for additional mounting possibilities. Stamped conduit knockouts are supplied standard on all **EST** units, providing the widest range of options for AC power source connection.

Unit Size	A	B	C
(6V 27-42W) (12V 27-24W)	10" (254mm)	9" (229mm)	3 1/4" (83mm)
(6V 120W)*	13" (330.2mm)	10" (254mm)	8" (203.2mm)
(6V 54W-120W) (12V 60-140W)	15" (381mm)	9 1/2" (241.3mm)	4 1/4" (107.95mm)
(24V 100W)	15" (381mm)	9 1/2" (241.3mm)	4 1/4" (107.95mm)

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

■ ordering logic

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

- NOTE 1:** Specify type- open/closed dry contact.
- NOTE 2:** HHC (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 at time of order. Specify voltage
- ** Aluminum heads not rated for wet location.

EXAMPLE: EST-12-60-2LR-20W(H)-TD(277)
DESCRIPTION: 12V, 60W, double PAR36, 20W halogen lamps, time delay

■ emergency heads

The **EST** is supplied with two (2) top mounted LR PAR36 style 9W heads. Optional heads available include the SR PAR18 style heads or the BTMR white steel heads utilizing MR16 lamps. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to five (5) heads to be mounted on the largest units (3 top, 2 side). The lamp head styles are constructed of high impact thermoplastic in a color 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.

■ 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

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 **EST** is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

■ 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 restrike. 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 the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

■ lamp selection

	6V	12V	24V
Incandescent	5.4, 7.2, 9W	9, 12, 18W	9, 18W
Halogen (H)	10, 12W, 20W	12, 20W 55W - PAR36 Only	12, 20 70W-PAR36 Only
MR16	6, 10W	10, 12, 20, 35W, 50W	12, 20, 35W, 50W
MR16 LED (SR or BTMR)	5, 7W	2, 5, 7W	5, 7W
Sealed Beam LED (LEDSB)	N/A	6W	N/A

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EST-6-27	6	27
EST-6-36	6	36
EST-6-60	6	60
EST-6-72	6	72
EST-6-100	6	100
EST-6-120	6	120
EST-12-27	12	27
EST-12-36	12	36
EST-12-60	12	60
EST-12-72	12	72
EST-12-120	12	120
EST-12-140	12	140

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EST-6-42	6	42
EST-6-54	6	54
EST-6-90	6	90
EST-12-42	12	42
EST-12-90	12	90
EST-12-130	12	130
EST-24-100	24	100