



PRODUCT OVERVIEW

The EST series of emergency lighting units offers durable construction, easy installation and the ability to adapt to your specifications. The EST housing is constructed from durable 20 gauge steel & finished in a white powder coat. Top mounted (LR) Par36 style heads are standard. (SR) Par18 style heads are optional. Universal mounting pattern and conduit knock-outs allow for easy field installation adaptability

EXTERNAL SPECIFICATIONS

The EST series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color; (LR) Par36 style are standard, SR Par18 style are optional. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit. External test switch and monitor LED are standard.

INTERNAL SPECIFICATIONS

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

INSTALLATION

The EST luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for indoor installation. 120/277VAC.

LAMP SELECTION

- 6V tungsten: standard: 9w
(H) halogen: 8w, 10w, 12w, 20w
- 6V sealed beam: (SB) standard: 9w, 12w, 18w
(H) halogen: 8w, 12w, 20w
- 12V tungsten: standard: 9w, 18w
(H) halogen: 8w, 12w, 20w, *35w, (*LR only)
- 12V sealed beam: (SB) standard: 12w, 18w
(SBH) halogen: 8w

See lamp chart on page 142

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
EST	6 (volt DC)	27 (6V)	1SR (single Par18)	See lamp guide above	AT (auto-test daignostics)
	12 (volt DC)	36 (6V, 12V)	2SR (double par18)		TD (time delay-specify voltage)
		54 (6V, 12V)	1LR (single par36)		NC (nickel-cadmium battery)
	72 (6V, 12V)	2LR (double par36)	CC (custom color-specify)		
	100 (6V, 12V)	0 (no heads)	VM (voltmeter)		
	125 (6V, 12V)		TP (tamper proof screws)		
				CS (cord set, 120V only)	
				AM (ammeter)	
				MH (metal heads par36)	

EST BUILDER

Series	Operation	Capacity	Heads	Lamps	Options

EXAMPLE: EST-12-72-2LR-20W(H)-TD(277V)
DESCRIPTION: EST emergency luminaire, emergency only, 120/277, 12V, 72W, par36, 20W halogen lamp, time delay 277W.

JOB:	TYPE:
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MECHANICAL SPECIFICATIONS

The **EST** is constructed from a solid and durable 20 gauge steel housing. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Key hole slots and conduit knockouts are provided for additional mounting possibilities. Remote lamp loads are connected to the emergency power supply with sturdy magnum 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.

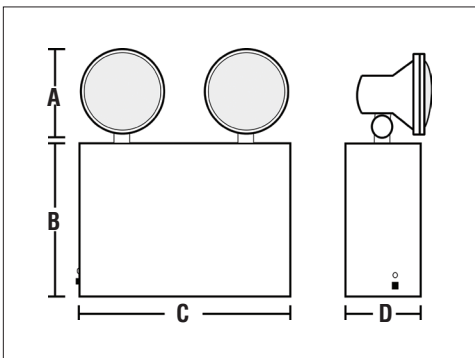
CHARGER SPECIFICATIONS

The **EST** series utilizes a pulse switching charger that is up to 70% more efficient than traditional constant voltage chargers. The charger is a fully automatic current limited charger with solid state line-latched 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.

LAMP HEAD FEATURES

The **EST** series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. (SR) Par18 style heads are optional. 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). Both 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
27W-100W	6"	9"	12"	3.1"

Special battery configurations such as nicad may require larger cabinet size. Please call factory for product information.

BATTERY TECHNOLOGY

The **EST** series 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 twenty-four (24) hours. The maximum working temperature is 50° C

MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
EST-6-27	6	27	18	12	8	A
EST-6-36	6	36	27	20	14	A
EST-6-54	6	54	36	27	18	
EST-6-72	6	72	54	36	27	A
EST-6-100	6	100	72	54	36	A
EST-6-125	6	125	100	72	54	A
EST-12-36	12	36	27	20	14	A
EST-12-54	12	54	36	27	18	A
EST-12-72	12	72	54	36	27	A
EST-12-100	12	100	72	54	36	A
EST-12-100	12	125	100	72	54	A

BEGHELLI AUTO-TEST

The **EST** auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication

WARRANTY

The **EST** Series comes with a 5-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.