

## EM5

INDOOR



### Specifications: Internal

The **EM5** 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

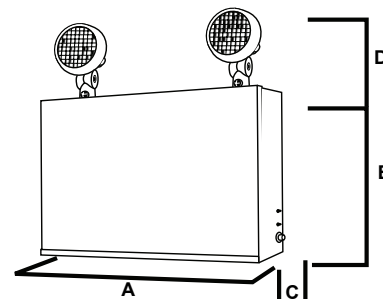
The **EM5** is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. The universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes. Keyhole slots are also provided for additional mounting possibilities. Stamped conduit knockouts are supplied standard on all **EM5** units, providing the widest range of options for AC power source connection.

### Warranty

The **EM5** comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.



### Dimensions:



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)

### Ordering Logic

Series	Pb-A (Capacity)	Ni-Cd <sup>3</sup> (Capacity)	Emergency Heads	Lamps	Options
EM56V	27 (6V, 12V)	42 (6V, 12V)	2LR (double PAR36)	See lamp selection on next page	AM (ammeter)
EM512V	36 (6V, 12V)	54 (6V)	1LR (single PAR36)		AT (autotest)
EM524V	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 <sup>1</sup> (fire alarm interface)
			1SRA (AL, single, PAR36)*	IRT <sup>2</sup> (infrared testing)	
			0 (no heads)	NC <sup>3</sup> (Ni-Cd)	
					TD <sup>4</sup> (time delay - specify 5, 10, 15 min)
					TP (tamper proof screws)
					VM (voltmeter)
					ACTB (terminal black ac)
					DCTB (terminal black dc)

## Emergency Heads

The **EM5** 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 **EM5** 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 **EM5** is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

## Autotest

The 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 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.

## 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
EM5-6-27	6	27
EM5-6-36	6	36
EM5-6-60	6	60
EM5-6-72	6	72
EM5-6-100	6	100
EM5-6-120	6	120
EM5-12-27	12	27
EM5-12-36	12	36
EM5-12-60	12	60
EM5-12-72	12	72
EM5-12-120	12	120
EM5-12-140	12	140

## Model Rating Guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
EM5-6-42	6	42
EM5-6-54	6	54
EM5-6-90	6	90
EM5-12-42	12	42
EM5-12-90	12	90
EM5-12-130	12	130
EM5-24-100	24	100