

MECHANICAL SPECIFICATIONS

The **ESM** is constructed from durable 20 gauge steel. 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 **ESM** units, providing the widest range of options for AC power source connection. The ESM is supplied standard in a durable white powder coat, baked finish. Other colors are available, including custom color matching, please specify.

CHARGER SPECIFICATIONS

The **ESM** 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.

BATTERY TECHNOLOGY

The **ESM** 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.

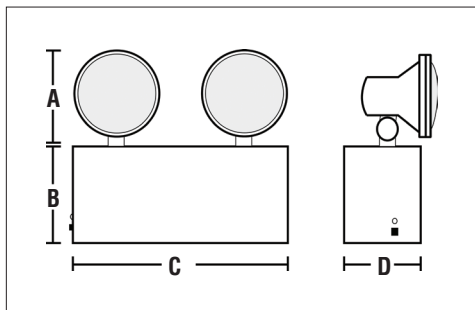
MODEL RATING GUIDE

Model	Voltage	Wattage				Cabinet
		90min	120min	180min	240min	
ESM-6-12	6	12	8	NA	NA	A
ESM-6-18	6	18	12	8	NA	A
ESM-6-27	6	27	20	14	10	B
ESM-6-36	6	36	27	18	12	B
ESM-6-54	6	54	36	27	18	B
ESM-12-36	12	36	27	18	12	B
ESM-12-54	12	54	36	27	18	B

BEGHELLI AUTO-TEST

The **ESM** 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.

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
Cabinet A: 6V 12W-18W	6"	4 ^{3/4} "	12 ^{1/2} "	2.6"
Cabinet B: 6V & 12V 27W-54W	6"	7.35"	14"	3.25"

WARRANTY

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

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