

Industrial Emergency

PRODUCT OVERVIEW

The ESM series of emergency lighting units offer dependable illumination in a compact and affordable package. The ESM series housing is constructed from durable 20 gauge steel and finished in a white powder coat. Top mounted (LR) Par36 heads are standard. Universal mounting pattern and conduit knock-outs allow for easy field installation.

EXTERNAL SPECIFICATIONS

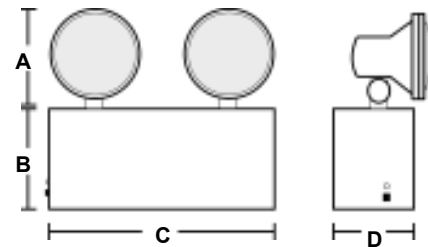
The ESM series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. White powder coat finish is standard (other colors optional). Emergency lighting heads are molded from high impact thermoplastic in a matching color;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



LAMP SELECTION

6V TUNGSTEN: standard: 7.2w, 9w, (H) halogen: 8w, 10w, 12w
 6V SEALED BEAM: (SB) standard: 9w, 12w (SBH) halogen: 12w

DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
12W-27W	6.5"	4.7"	9"	3.2"

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamp Type	Options
ESM	6 (volt DC)	12 (6v)	2SR (double Par18)	See Lamp	AT (auto-test diagnostics)
		18 (6v)	2LR (double Par36)	guide above	NC (nickel cadmium battery)
		27 (6v)	0 (no heads)		VM (voltmeter)
					TP (tamper proof screws)
					CC (custom color - specify)
					CS (cord set)

EXAMPLE: ESM-6-18-2LR-8w(H)-AT
 DESCRIPTION: ESM emergency luminaire, emergency only, 120/277, 6v, 18w, 8w halogen lamp, 2xpar36, auto-test.

MECHANICAL SPECIFICATIONS

The ESM 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 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. 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 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.

LAMP HEAD FEATURES

The ESM series is normally supplied with two (2) top mounted (LR) Par36 style heads. Smaller (SR) Par18 style heads are optional. 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 locking twist collar that securely holds the lens and facilitates quick and easy re-lamping.

INSTALLATION

The ESM luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for indoor installation on normally inflammable surfaces. 120/277VAC.

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
		90	120	180	240	
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	A

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.

Certified by ETL or CSA to UL924 Standards.



WARRANTY

The ESM comes from the factory with an unconditional 5 year product warranty. Lamps are not covered.