

PRODUCT OVERVIEW

The ESL series of emergency lighting units offers durable construction and architectural design. The ESL housing is constructed from durable 20 gauge steel and finished in a white powder coat. The front access panel is architecturally curved and hinged for trouble-free installation. Top mounted (LR) Par36 style heads are standard. Front and side mount configurations are available. Universal mounting pattern and conduit knock-outs allow for easy field installation.

EXTERNAL SPECIFICATIONS

The ESL 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.

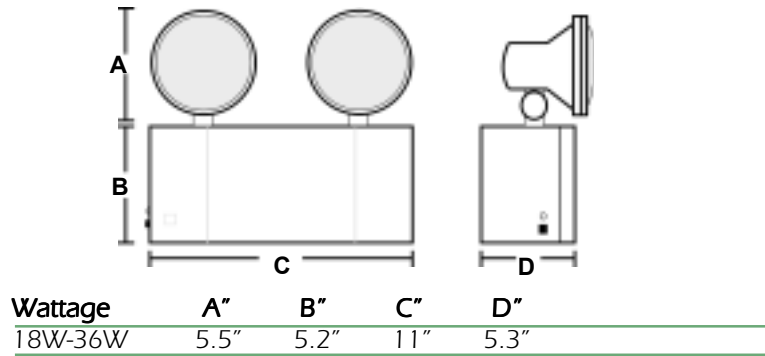
LAMP SELECTION

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

6V SEALED BEAM: (SB) standard: 9w, 12w
(SBH) halogen: 12w



DIMENSIONS (in.)



ORDERING INFORMATION

Series	Operation	Capacity	Heads	Mounting	Lamp Type	Options
ESL	6 (volt DC)	18 (6v)	2SR (double Par18)	TM (top mount)	See Lamp	NC (nickel cadmium battery)
	12 (volt DC)	27 (6v)	2LR (double Par36)	SM (side mount)	guide above	VM (voltmeter)
		36 (6v, 12v)	0 (no heads)	FM (front mount)		TP (tamper proof screws)
						CC (custom color - specify)
						CS (cord set)

EXAMPLE: ESL-12-36-2LR-TM-7.2w

DESCRIPTION: ESL emergency luminaire, emergency only, 120/277, 12v, 36w, par36, top mount, 7.2w lamps.



Certified by ETL
or CSA to UL924
Standards.

ESL Technical Data

MECHANICAL SPECIFICATIONS

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

CHARGER SPECIFICATIONS

The ESL 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.

INSTALLATION

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

BATTERY TECHNOLOGY

The ESL 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	
ESL-6-18	6	18	12	8	NA	A
ESL-6-27	6	27	20	14	NA	A
ESL-6-36	6	36	27	20	14	A
ESL-12-36	12	36	27	20	14	A

LAMP HEAD FEATURES

The ESL series is normally supplied with two (2) top mounted (LR) Par36 style heads. Smaller (SR) Par18 style heads are optional. The ESL can be configured with side or front mounted heads, please specify when ordering. 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.

WARRANTY

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