



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Part #: \_\_\_\_\_

Notes: \_\_\_\_\_

## SPECIFICATIONS: INTERNAL

The LSM13 is a specification grade unit, available with 6, 12 and 24 volt battery configurations, designed with two stage charging. The charging system offers superior performance and energy efficiency with solid state transfer, supplied with 120/277V.

## SPECIFICATIONS: EXTERNAL

The LSM13 is constructed with a 20 gauge steel cabinet. 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; PAR36 (LR) style heads are standard. PAR18 (SR) style heads are optional. MR16 (BTMR) are also offered. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

## EMERGENCY HEADS

The LSM13 unit is supplied with two [2] top mounted PAR36 small style 9 watt thermoplastic heads in a matching color, or BTMR white steel heads utilizing MR16 lamps are also available option. SR PAR18 small style thermoplastic or BTMR white steel heads utilizing MR16 lamps are also an available option. Lamp heads can be mounted either on the top or on the sides of the unit allowing for up to four [4] heads to be mounted on the largest units (2 top, 2 sides). Both head types feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping.

## SPECIFICATIONS: ELECTRICAL

**BATTERY:** The LSM13 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 less than 48 hours. The maximum working temperature is 45°C. The minimum working temperature is 10°C. Nickel cadmium batteries are available as an option.

**CIRCUIT:** The LSM13 utilizes 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. 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.

# LSM13

INDOOR | BAA



## SPECIFICATIONS: MECHANICAL

The LSM13 is constructed with a 20 gauge steel cabinet in a white powder coat finish, other colors and custom color matching are available. Universal mounting pattern and key hole slots are stamped on the back and conduit knockouts on the sides of each unit.

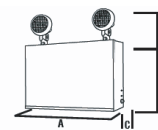
## AUTOTEST

The Autotest system (optional) performs one five 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.

## WARRANTY

The LSM13 comes with a 5-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
(12V 140W) (12V 200W / 24V 200W)	15" (385mm)	9 1/4" (241mm)	4 1/4" (105mm)
(6V-200W) (12V 140W-160W)	13" (330mm)	10" (254mm)	8" (203mm)
(12V 180-360W) (24V 280-360W)	18" (457mm)	10" (254mm)	8 1/4" (213mm)

NOTE: Cabinet size may vary based on product configuration. Dimension D in drawing above will vary based on heads supplied. Cabinet size for 12V 160W Pb-A varies. Please contact factory for sizing information.

## ORDERING INFORMATION

Sample Part Number: **LSM13-12-140-2LR-20W(H)-TD(10 min)**

MODEL	OPERATION	Pb-A (Capacity)	Ni-Cd <sup>3</sup> (Capacity)	Emergency Heads	Lamps	OPTIONS
LSM13	6V	120 (6V)	130 (12V)	2LR (double PAR36)	See Chart on Next Page	AM (ammeter)
	12V	140 (12V)	200 (12V, 24V)	1LR (single PAR36)		AT (autotest)
	24V	160 (12V)		2SR (double PAR18)		B (black finish)
		180 (12V)		1SR (single PAR18)		BZ (buzzer)
		200 (6V)		2BTMR (double, MR16)		CC (custom color- specify)
		280 (24V)		1BTMR (single, MR16)		CS120 (cord set, 120V only)
		360 (12V, 24V)		2SRA (AL, double, PAR36)*		FA <sup>1</sup> (fire alarm interface)
				1SRA (AL, single, PAR36)*		HHC (hand held controller)
				0 (no heads)		IRT <sup>2</sup> (infrared testing)
						NC <sup>3</sup> (Ni-Cd)
						TP (tamper proof screws)
						TD <sup>4</sup> (time delay - specify 5, 10, 15 min)
						VM (voltmeter)

[1]NOTE: Specify type- open/closed dry contact.

[2]NOTE: Specify voltage.

[3]NOTE: Must select NC from options and indicate wattage/voltage from Ni-Cd column.

[4]NOTE: Must specify at time of order. Specify voltage

\*\* Aluminum heads not rated for wet location.



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Notes: \_\_\_\_\_

■ **lamp selection: (seal beam only in LR PAR36 style head)**

		12V	
Incandescent	9W, 12W 18W - PAR36 Only	9W, 12W, 18W 25W - PAR36 Only	9W, 18W
Halogen (H)	8W, 10W, 12W, 20W	8W, 12W, 20W 35W & 55W - PAR36 Only	12W, 20W 70W-PAR36 Only
Sealed Beam Tungsten (SB)	9W, 12W, 18W, 25W, 30W	12W, 18W, 25W, 30W, 35W	N/A
Sealed Beam Halogen (HSB)	8W, 12W, 20W	8W, 12W, 30W	N/A
MR16	10W	10W, 12W, 20W, 35W, 50W	12W, 20W, 35W, 50W
LED MR16 (SR or BTMR)	5W	5W, 7W	5W, 7W

■ **model rating guide Pb-A (Capacity)**

Model	Input Voltage	Wattage Rating 90 Minutes
LSM13-6-120	6	120
LSM13-6-200	6	200
LSM13-12-140	12	140
LSM13-12-160	12	160
LSM13-12-180	12	180
LSM13-12-360	12	360
LSM13-24-280	24	280
LSM13-24-360	24	360

■ **model rating guide Ni-Cd (Capacity)**

Model	Input Voltage	Wattage Rating 90 Minutes
LSM13-12-130	12	27
LSM13-12-200	12	36
LSM13-24-200	12	27