



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

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

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

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

## LSMRG

**Internal Specifications:** The LSMRG is configured with universal 120/277VAC input with solid state charging circuitry. Standard features include low voltage disconnect, AC lockout and brownout protection.

**External Specifications:** The LSMRG housing is constructed with durable 20 gauge steel. Stamped conduit knockouts are provided on the sides of all LSMRG units. 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 LSMRG is finished in a durable white powder coat. Other colors are available, including color matching. PAR36 (LR) style heads are standard. PAR18 (SR) style heads are optional. MR16 (BTMR) are also offered. External test switch and monitor LED are standard.

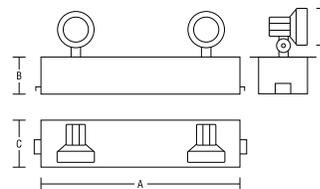
**Installation:** Specifically designed for installation into a T-bar type grid ceiling, for a clean and architecturally pleasing appearance.

### Emergency Heads

The LSMRG is normally supplied with two [2] PAR36 (LR) style heads. PAR18 (SR) style heads are optional, or BTMR white steel heads utilizing MR16 lamps are also available option. The LR and SR head types feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.



Dimensions (in,mm)



Cabinet	A	B	C
A	23.75" 603mm	8.12" 206mm	4.75" 121mm

NOTE: Dimension D (see drawing) will vary based on heads supplied.

Series	Operation	Pb-A (Capacity)	Ni-Cd <sup>1</sup> (Capacity)	Emergency Heads	Lamps	Voltage	Options
LSMRG	6V	18 (6V)	22 (6V)	2LR (double PAR36)	See lamp	120/277VAC	NC <sup>2</sup> (nickel-cadmium battery)
	12V	27 (6V, 12V)	42 (6V, 12V)	1LR (single PAR36)	selection		AT (autotest)
		36 (6V, 12V)	54 (6V)	0 (no heads)	on next page		AM (ammeter)
		60 (6V, 12V)	90 (6V, 12V)	2SR (double PAR18)			B (black finish)
		72 (6V)	130 (12V)	1SR (single PAR18)			BZ (audible alarm - buzzer)
		120 (6V)		2BTMR (double, MR16)			CC (custom color - specify)
		140 (12V)		1BTMR (single, MR16)			FAI <sup>4</sup> (fire alarm interface)
							IRT <sup>4</sup> (infrared testing)
							TC (teflon coated lenses)
							TD <sup>5</sup> (without AT - time delay - 5, 10, 15 min.)
						TDA <sup>6</sup> (with AT - time delay - 5, 10, 15 min.)	
						TP (tamper proof screws)	
						VM (voltmeter)	
						ACTB (terminal block AC)	
						DCTB (terminal block DC)	

NOTE 1: Must select NC from options when selecting Ni-Cd.  
NOTE 2: NC (select wattage/voltage from Ni-Cd column).  
NOTE 3: Consult factory.

NOTE 4: Available for capacities up to 36W (6V or 12V). HHC (controller for IRT) should be ordered separately (item code:476000021).  
NOTE 5: Specify AC input voltage. Must specify at time of order.  
NOTE 6: Must specify at time of order, 10 min standard.



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**Electrical Specifications:**

**BATTERY:** The LSMRG is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes. Optional nickel cadmium batteries are available. Recharge time of the battery is twenty-four [24] 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 LSMRG utilizes a high-efficiency two stage charger providing a fully automatic constant charging current 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 test switch allows maintenance personnel to quickly determine the operational status of the unit.

**Mechanical Specifications:**

Torsion springs firmly hold the LSMRG cover in place allowing for easy installation and maintenance. 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.

**Autotest:**

The Autotest system 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 Autotest delay function to allow HID lighting to restrike.

- Red: Battery or Circuit Malfunction
- Yellow: Lamp Malfunctioning
- Green: Normal Operation

**Warranty:**

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



**Lamp Selection**

	6V	12V
Incandescent	7.2, 9W	9, 12, 18W
Halogen (H)	12W	12, 20W (55W PAR36 only)
MR16 (BTMR)	N/A	20, 35, 50W
MR16 LED	5, 7W	2, 5, 7W

**Model Rating Guide**

Model	Voltage	Wattage			
		90min	120min	180min	240min
LSMRG-6-18	6	18	14	9	7
LSMRG-6-22	6	22	17	11	9
LSMRG-6-27	6	27	20	14	10
LSMRG-6-36	6	36	27	18	14
LSMRG-6-42	6	42	32	21	16
LSMRG-6-54	6	54	41	27	20
LSMRG-6-60	6	60	45	30	23
LSMRG-6-72	6	72	54	36	27
LSMRG-6-90	6	90	68	45	34
LSMRG-6-120	6	120	90	60	45
LSMRG-12-27	12	27	20	14	10
LSMRG-12-36	12	36	27	18	13
LSMRG-12-42	12	42	32	21	16
LSMRG-12-60	12	60	45	30	23
LSMRG-12-90	12	90	68	45	34
LSMRG-12-120	12	120	90	60	45
LSMRG-12-130	12	130	98	65	49
LSMRG-12-140	12	140	105	70	53

NOTE: Cabinet size may change based on configurations.