

Job/Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_

Job Type: \_\_\_\_\_  
 Date: \_\_\_\_\_

- The **MFC** has PAR36 heads standard. PAR18 (SR) style and MR16 bullet style heads (MRB) are also offered. Multiple lamp options are available including LED.

- **Installation:** Universal mounting pattern stamped into the back of the unit allows for direct mounting to various conduit boxes



- Designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes

External test switch and monitor LED are standard

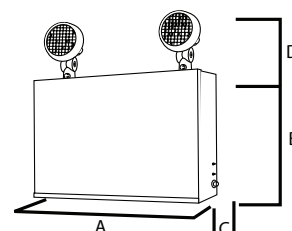
- Housing: Durable 20G steel. White powder coat finish is standard, (other colors optional).

## ■ specifications: internal

The MFC is configured with 120/277V input and 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. Charger status is easily determined via a dual diagnostic LED display. Standard features include low voltage disconnect, AC lockout and brownout protection.

## ■ specifications: external

The MFC is constructed with a 20 gauge steel cabinet. Terminal connectors allow for larger gauge wires to be connected for remote loads. 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 MFC units, providing the widest range of options for AC power source connection.



Unit Size	A	B	C
(6V 120-200W) (12V 160W)	13" (330mm)	10" (254mm)	8" (203mm)
(12V 180-360W) (24V 280-360W)	18" (457mm)	10" (254mm)	8 3/8" (213mm)

NOTE: Cabinet size may vary based on product configuration. Dimension D in drawing above will vary based on heads supplied.

## ■ ordering logic

Model	Volts	Watts	Emergency Heads	Lamps <sup>2</sup>	Options
MFC	6 (6V)	120 (6V)	0 (no heads)	(see lamp chart)	SD (self diagnostics)
	12 (12V)	160 (12V)	2 (2 PAR36 heads)		NC (nicad battery)
	24 (24V)	180 (12V)	2SR (2 PAR18 heads)		TD <sup>3</sup> (time delay relay)
		200 (6V)	2MRB (2 MR16 Bullet heads)		AM (ammeter)
		280 (24V)	2SRA (2 Alum. PAR36 heads)		VM (voltmeter)
		360 (12V, 24V)			3CP (cord & plug)
					IRT (infrared remote testing)
					HHC (controller for IRT)
					BL (black housing)

EXAMPLE: LX-6-36-2-6VSBH-8W-SD

DESCRIPTION: LX Emergency Unit,, 6VDC, 36 Watts, sealed lead battery, two PAR36 heads, 8 watt sealed beam halogen lamps, self diagnostics

<sup>1</sup>Nickel-cadmium. Must select NC from options when selecting Ni-Cd.

<sup>2</sup>Specify desired lamp type and wattage from lamp selection chart

<sup>3</sup>Must specify 5, 10 or 20 mins and AC Voltage (10 mins standard)

## ■ specifications: electrical

**BATTERY:** The MFC 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 24 hours.

**CIRCUIT:** The MFC Series 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.

## ■ specifications: mechanical

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

## ■ specifications: self diagnostics

The Mule Autotest system (optional) 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 Mule Autotest system also includes 0, 5, 10 or 20 minute time delay function to allow HID lighting to restrike. IRT (optional) one button press tests unit for 90 minutes per code.

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

## ■ warranty

The MFC Series 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	24V
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 MRB)	5W	5W, 7W	5W, 7W
Sealed Beam LED (LED SB)	N/A	6W	N/A

## ■ model rating guide

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