



GE  
Lighting

## 63048 - GEMH100MVR-F

GE HID Magnetic HID Metal Halide Enclosed and Potted F-Can Ballast

- For applications requiring quieter or cooler operation than provided by standard coil & coil ballasts.
- Excellent sound-deadening and heat transfer qualities.
- Reliable low-temperature starting-as low as -20F.

## GENERAL CHARACTERISTICS

Category	High Intensity Discharge
Ballast Type	Magnetic - HID Metal Halide Enclosed and Potted F-Can Standard
Type	Standard
Starting Method	Probe Start
Line Voltage Regulation (+/-) (NOM)	5.0 %
Ambient Temperature (MIN)	-30.0 °F
Ambient Temperature (MAX)	105.0 °C ( 41 °C)
Case Temperature (MAX)	90.0 °C
Ballast Factor	Normal
Circuit Type	HX-HPF
Insulation Class	A
Enclosure Type	Metal Can
Distance to Lamp (MAX)	10.0 ft
Additional Info	Thermally protected
Primary Application	Grocery Display

## PRODUCT INFORMATION

Product Code	63048
Description	GEMH100MVR-F
Standard Package	Case
Standard Package GTIN	10043168630488
Standard Package Quantity	4
Sales Unit	Individual Pack
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	4
UPC	043168630481

## DIMENSIONS

Case dimensions			
Length (L)		11.8 in( 299.72 mm)	
Width (W)		3.2 in( 82.04 mm)	
Height (H)		2.8 in( 69.85 mm)	
Mounting dimensions			
Bracket Length (BL)		NaN in( NaN mm)	
Mount Length (M)		11.4 in( 289.56 mm)	
Mount Width (X or F)		NaN in( NaN mm)	
Mount Slots (MS)		NaN in( NaN mm)	
Weight (NOM)		10.99 lb	
Exit Type		Side	
Remote Mounting Distance (NOM)		10.0 ft	
Lead lengths	Qty	Exit	Length (± 1 in.)
Black	1	Left	12 ( 305 mm)
Black/Yellow	1	Left	12 ( 305 mm)
Red	1	Right	12 ( 305 mm)
White	1	Left	12 ( 305 mm)

## ELECTRICAL CHARACTERISTICS

Lamp Operating Frequency (NOM)	60.0 Hz
Supply Current Frequency (NOM)	60.0 Hz

## SAFETY & PERFORMANCE

- UL Listed
- UL type 1
- Indoor/Outdoor

## SPECIFICATIONS BY LAMP & LINE VOLTAGE

Lamp	# of Lamps by Line Voltage	Specifications	System Wattage	Nominal Current	Ballast Factor	Ballast Efficiency	Max.Input Current	Starting Current	Open Circuit Voltage	Drop Out Voltage	Power factor	Min.starting temperature	Fuse rating	UL bench top rise
M90	1	277	122.0	0.47 A A	0.82		NaN A	NaN A	NaN V	NaN V		-30.0 °C °F		
M90	1	120	122.0	1.07 A A	0.82		NaN A	NaN A	NaN V	NaN V		-30.0 °C °F		

## CAUTIONS & WARNINGS

### Warning

- Risk of Electric Shock
  - Properly ground ballast and fixture.
  - Turn power off before servicing--see instructions.

## NOTES

- 1-100W M90 120/277 Enclosed and Potted F-Can for HID Metal Halide Lamps

For additional information, visit [www.gelighting.com](http://www.gelighting.com)

## **WARRANTY INFORMATION**

GE Lighting warrants to the purchaser that each ballast will be free from defects in material or workmanship for period as defined in the attached documents from the date of manufacture when properly installed and under normal conditions of use.