GE Lighting

87490 - GEMH20-MLF-120

GE HID UltraMax™ eHID Electronic Low Frequency Ballast

- Light-weight, Low Profile Housing
- Superior low frequency square wave frequency design maximizes performance and life of ceramic metal halide lamps.
- Ultra slim can size for fixture design flexibility

GENERAL CHARACTERISTICS

Application	1- 20W M156 120V High Effeciency Low Frequency Electronic HID
Category	High Intensity Discharge
Ballast Type	Electronic - Low Frequency
Starting Method	n/a
Line Voltage Regulation (+/-) (NOM)	10.0 %
Ambient Temperature (MIN)	0.0 °F
Ambient Temperature (MAX)	55.0 °C (13 °C)
Case Temperature (MAX)	85.0 °C
Ballast Factor	Normal
Power Factor Correction	Active
Circuit Type	Electronic
Sound Rating	A (20-24 decibels)
Enclosure Type	Plastic
Distance to Lamp (MAX)	8.0 ft
Additional Info	End of Life Protection (EOL) / Inherent thermal protection
Primary Application	Indoor Floodlight

PRODUCT INFORMATION

Product Code	87490
Description	GEMH20-MLF-120
Standard Package	Case
Standard Package GTIN	10043168874905
Standard Package Quantity	12
Sales Unit	Case
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	12
UPC	043168874908

DIMENSIONS

Case dimensions	
Length (L)	3.7 in(95.00 mm)
Width (W)	1.6 in(39.88 mm)
Height (H)	1.0 in(25.40 mm)
Mounting dimensions	
Bracket Length (BL)	NaN in(NaN mm)
Mount Length (M)	3.4 in(85.34 mm)
Mount Width (X or F)	1.2 in(30.23 mm)
Mount Slots (MS)	0.2 in(4.32 mm)
Weight (NOM)	0.38 lb
Exit Type	Side
Remote Mounting Distance (NOM)	8.0 ft
Remote Mounting Wire Gauge (NOM)	18.0 AWG

Lead lengths	Qty	Exit	Length (± 1 in.)
Black	1	Left	10.0 (254 mm)
Brown	1	Right	10.0 (254 mm)
Red	1	Right	10.0 (254 mm)
White	1	Left	10.0 (254 mm)

ELECTRICAL CHARACTERISTICS

Lamp Operating Frequency (NOM)	133.0 Hz
Supply Current Frequency (MIN)	50.0 Hz
Supply Current Frequency (NOM)	60.0 Hz / 50.0 Hz

SAFETY & PERFORMANCE

- ANSI - C62.41
- cUL Listed
- FCC - CLASS A Non-Consumer
- UL Listed
- UL 1029 Listed
- Product is compliant with material restriction requirements of RoHS

SPECIFICATIONS BY LAMP & LINE VOLTAGE

Lamp	# of Lamps	Specifications by Line Voltage	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
M156	1	120	22.5	0.36 A A	1.0	0.889			NaN V	NaN V	0.56	0.0 °F °F	3.0	

NOTES

- 200C rated lead wires
- Housing meets UL94V0 flame retardant
- Meets IEC and ANSI requirements for power factor for Task and Downlighting
- Short Circuit Protection
- Do not connect brown or red wires to ground

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.