

HATCH

50 & 70 WATT "MC" SERIES ELECTRONIC METAL HALIDE BALLASTS



**MINI CASE
SIDE LEAD AND
BOTTOM FEED
MODELS**

Metal Halide Ballast Features:

- Superior color uniformity
- True fault RST protection
- Open circuit voltage safety
- Extended photometric lamp life
- Low profile, lightweight, many case styles
- Constant lumen output over a wide input voltage range and lamp voltage variation
- Significant energy savings as compared to magnetic ballasts
- True remote mounting
- Thermal protection

Environmental Specifications

Minimum Starting Temperature	-30°C
Lamp Distance from Ballast	Standard 50 ft. Special Order 300 ft.
Maximum Case Temperature	80°C
Emi	FCC Part 18 Class A
Sound Rating	A
Warranty	Up to 5 Years
Safety Listing	Type 1 Outdoor

Electrical/Mechanical Specifications

INPUT

Frequency	45-65Hz/AC
Lamp Wattage	
Regulation vs Input	1%
Power Factor	> 0.99
Total Harmonic Distortion	< 5%

OUTPUT

Lamp Wattage Regulation	+/-1%
Lamp Voltage Range Frequency	150Hz
Lamp Current C.F.	<1.3
Open Circuit Voltage	0-Volts When Unit in Shutdown Mode
Weight	12 oz.
Ignition Voltage/Frequency	2.5kV pk @23.7kHz FM
Short Circuit Protection	Yes
Thermal Protection	Yes
Open Circuit / No Lamp / Hot Lamp Shutdown, Retry and Ignition Failure Protection	Software controlled with retry at 1 min, 12 min and 23 min then shutdown. Power on reset

**Customized End User Defined Software
Available**..... Yes

Lead lengths

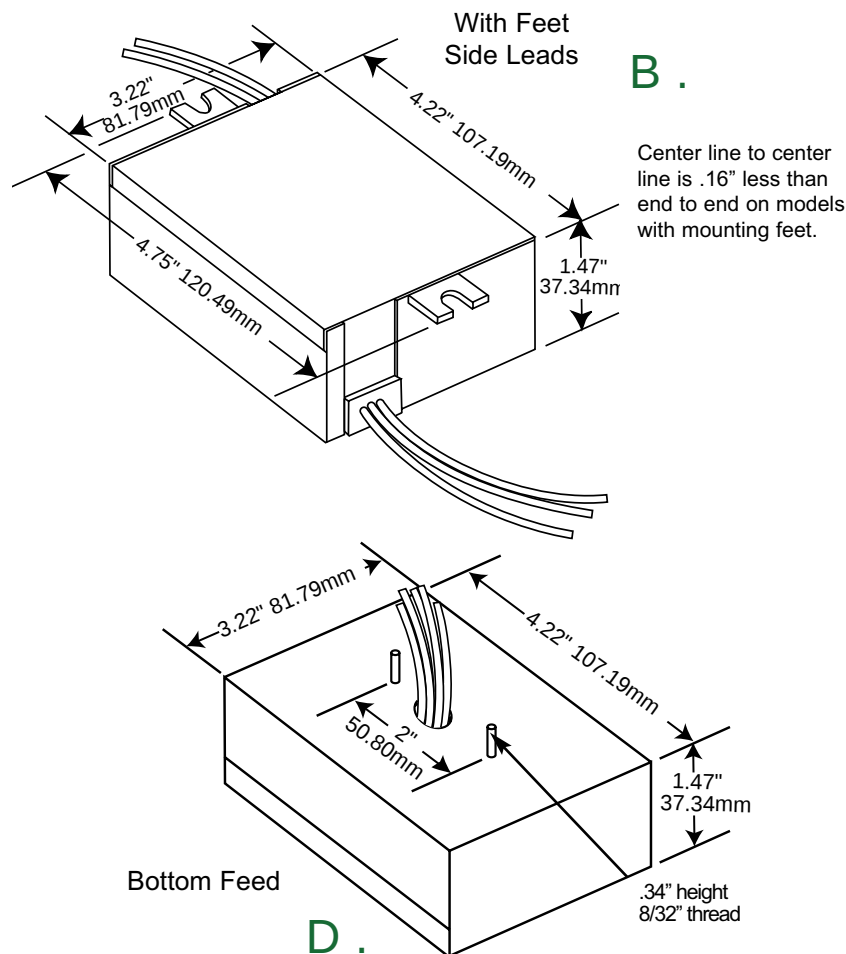
Side Lead Models

Input Leads.....13"

Output Leads.....8"

Bottom Feed Models.....8"

Safety Standard.....UL / C-UL Listed
CE on 240V Models only



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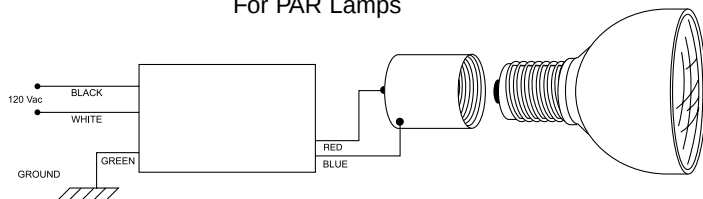


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Watts	GE	OSRAM	PHILIPS	No. Lamps	Input Wattage	Input Volts	Input Amps	Case Dim.	Hatch Item Number
50	NA	NA	MHC50/U/M(P) MHC50/U/M/3K MHC50/C/U/MP/3K MHC50/U/M/4K MHC50/U/MP/4K MHC50/C/U/M/4K	1	55	120	0.46	B	MC50-1-F-120U
								D	MC50-1-J-120U
						240	0.23	B	MC50-1-F-240U
								D	MC50-1-J-240U
						277	0.20	B	MC50-1-F-277U
								D	MC50-1-J-277U
70	CMH70/TC CMH70/TU CMH70/TD CMH70/C/U CMH70/U CMH70PAR30 CMH70PAR38	MC70T6 MCP70/C/U MCP70/U MCP70PAR30 MCP70PAR38	CDM70/T6 CDM70/TD CDM70/PAR30 CDM70/PAR38 MHC70/C/U MHC70/U	1	77	120	0.64	B	MC70-1-F-120U
								D	MC70-1-J-120U
						240	0.32	B	MC70-1-F-240U
								D	MC70-1-J-240U
						277	0.28	B	MC70-1-F-277U
								D	MC70-1-J-277U

WIRING DIAGRAMS

For PAR Lamps



For Double Ended or Bi-Pin Lamps

