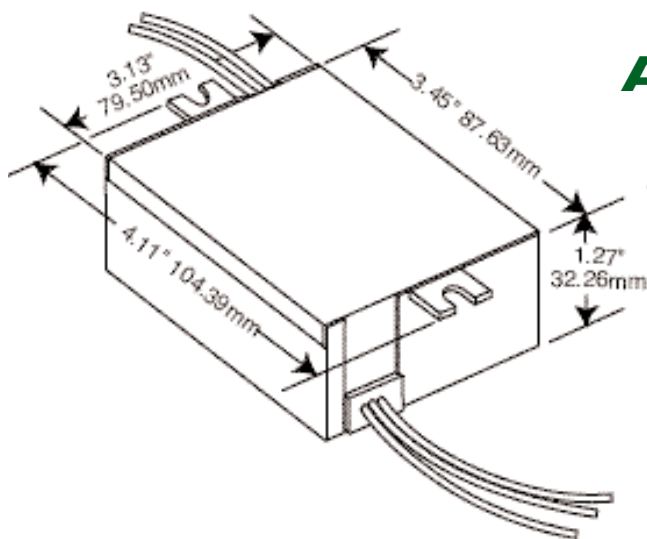


HATCH

20 & 39 WATT "MC" SERIES ELECTRONIC METAL HALIDE BALLASTS



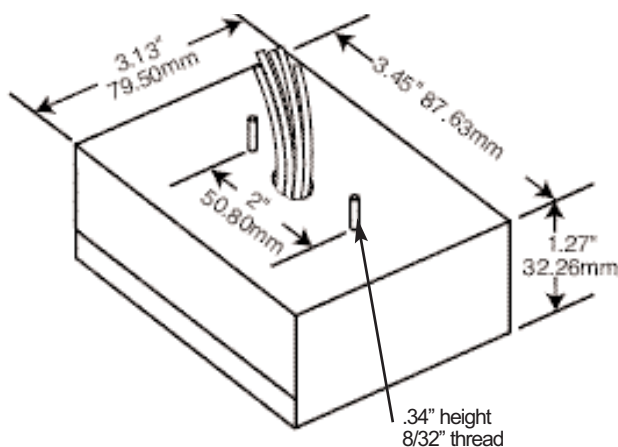
**Mini Case Side Lead
and Bottom Feed
Models**



A.

Center line to center
line is .16" less than
end to end on models
with mounting feet.

C.



Metal Halide Ballast Features:

- Superior color uniformity
- True fault shut down 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.....Consult factory
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

Voltage Rating.....120 or 277 Available
Frequency.....50-60Hz
Lamp Wattage
Regulation vs Input.....1%
Power Factor.....> 0.99
Total Harmonic Distortion.....< 10%
.....< 5% for 120V

OUTPUT

Lamp Wattage Regulation over Lamp
Voltage Range.....+/-1%
Frequency.....150Hz
Lamp Current C.F......<1.3
Open Circuit Voltage.....0-Volts Across the
Lamp Terminals
Weight.....9 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 to retry at preset intervals, then shutdown.

Lead lengths

Side Lead Models

Input Leads.....13"

Output Leads.....8"

Bottom Feed Models.....8"

Safety Standard.....UL C UL US LISTED

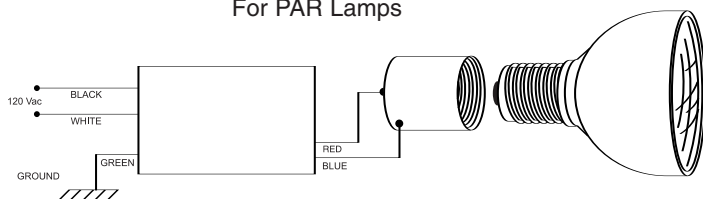


20 & 39 WATT “MC” SERIES ELECTRONIC METAL HALIDE BALLASTS

Watts	GE	OSRAM	PHILIPS	No. Lamps	Input Wattage	Input Volts	Input Amps	Case Dim.	Hatch Item Number
20	CMH20/TC CMH20/PAR20 CMH20/PAR30	NA	NA	1	22	120	0.20	A	MC20-1-F-120U
								C	MC20-1-J-120U
						277	0.09	A	MC20-1-F-277U
								C	MC20-1-J-277U
39	CMH39/TC CMH39/TU CMH39PAR20 CMH39PAR30	MC39T6 MCP39PAR30 MCP39PAR20	CDM35/T6 CDM35/PAR20 CDM35/PAR30	1	43	120	0.36	A	MC39-1-F-120U
								C	MC39-1-J-120U
						277	0.16	A	MC39-1-F-277U
								C	MC39-1-J-277U

WIRING DIAGRAMS

For PAR Lamps



For Double Ended or Bi-Pin Lamps

