

HATCH

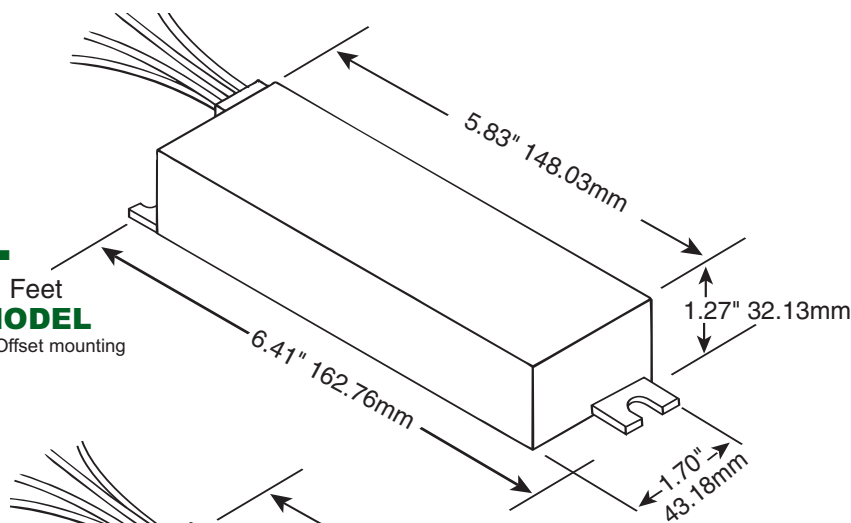
20 & 39 WATT "MC" SERIES ELECTRONIC METAL HALIDE BALLASTS



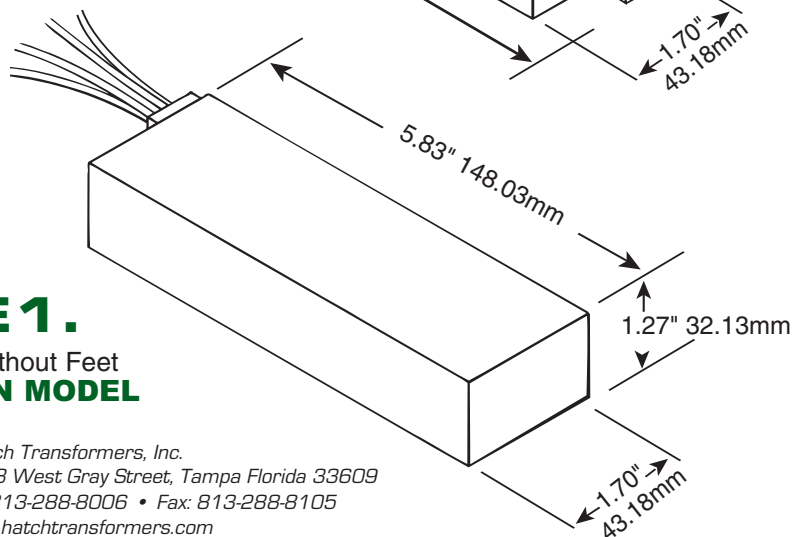
**SLIM STYLE CASE
SIDE LEAD MODEL**

E. With Feet V MODEL

Note: Offset mounting



E1. Without Feet VN MODEL



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.....	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.....	8"
Output Leads.....	8"
Safety Standard.....	UL C US LISTED



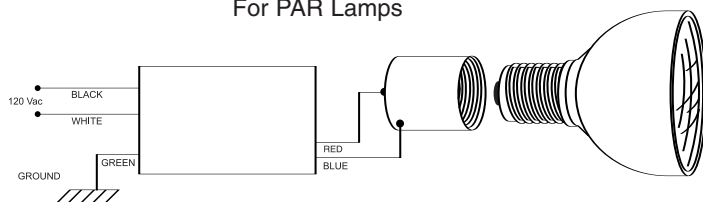


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Watts	GE	OSRAM	PHILIPS	SLi	No. Lamps	Input Wattage	Input Volts	Input Amps	Case Dim.	Hatch Item Number
20	CMH20/TC CMH20/PAR20 CMH20/PAR30	NA	NA	NA	1	22	120	0.20	E	MC20-1-F-120V
									E1	MC20-1-F-120VN
							277	0.09	E	MC20-1-F-277V
									E1	MC20-1-F-277VN
39	CMH39/TC CMH39/TU CMH39PAR20 CMH39PAR30	MC39T6 MCP39PAR30 MCP39PAR20	CDM35/T6 CDM35/PAR20 CDM35/PAR30	BriteSpot 39W	1	43	120	0.36	E	MC39-1-F-120V
									E1	MC39-1-F-120VN
							277	0.16	E	MC39-1-F-277V
									E1	MC39-1-F-277VN

WIRING DIAGRAMS

For PAR Lamps



For Double Ended or Bi-Pin Lamps

