

SuperHID™ 250/320/350/400/450 HID ELECTRONIC BALLAST

Revolutionizing HID lighting

The SuperHID™ 250,320,350,400 and 450 watt are members of the SuperHID™ microprocessor-controlled family of electronic HID Ballasts.

This breakthrough solution, which is transforming the way commercial, industrial and public site managers think about lighting, can deliver up to 65% in savings, radically improve life cycle light stability, and are fully compatible with Metrolight's digital communication and computer control systems to create revolutionary light systems.

Yet, SuperHID™ ballasts are exceptionally easy to install, fitting right in with current lighting fixtures and control systems.

Superior Features

- **Lumen maintenance >90% over lamp life**
- **Continuous full-range dimming**
- **40-65% energy saving**
- **MicroStart™ digitally controlled ignition virtually eliminates lamp electrode's wear and "wall blackening"**
- **Build-in MADLI™ I/O for system connectivity and control**
- **Extending MH effective life by over 100%**
- **Line regulation better than +/-0.5% for +/- 10% change in line voltage**

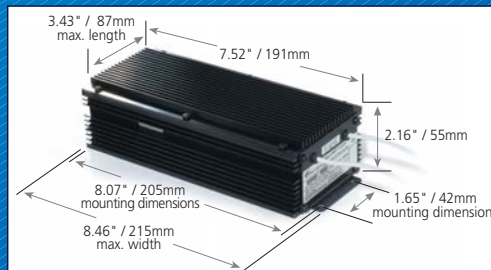


Powering the World of Light

SuperHID™ 250/320/350/400/450 HID ELECTRONIC BALLAST

Lamps*	250W - Pulse start MH M138, M80, HPS S50 320W - Pulse start MH M132 350W - Pulse start MH M131, HPS S129 400W - Pulse start MH M135, HPS S51 450W - Pulse start MH M135, HPS S51	
Input		
Input power	450W MH:	478W
	400W MH:	430W
	350W MH:	376W
	320W MH:	344W
	250W MH:	269W
	450W HPS:	482W
	400W HPS:	430W
	350W HPS:	376W
	320W HPS:	344W
	250W HPS:	269W
Voltage	200 - 277 VAC (+10% / -15%)	
Frequency	50/60Hz	
Inrush current	<25A	
Power factor	>0.97	
THD	<10%	
Current protection	Fuse (internal)	
Output		
Ignition voltage	< 4KV	
Dimming	50% - 100%	
Open circuit voltage	300V	
Frequency	> 106KHz	

Output current	450W MH:	3.2A (for 140V lamp)
	400W MH:	2.9A (for 140V lamp)
	350W MH:	2.5A (for 140V lamp)
	320W MH:	2.3A (for 140V lamp)
	250W MH:	1.8A (for 140V lamp)
	450W MH:	4.7A (for 95V lamp)
	400W MH:	4.2A (for 95V lamp)
	350W MH:	3.7A (for 95V lamp)
	320W MH:	3.4A (for 95V lamp)
	250W MH:	2.6A (for 95V lamp)
Protections		
Short circuit	Yes	
Open circuit	Yes	
Ignition failure	Yes	
Thermal	Yes (thermal shutdown / derating)	
End of lamp life	Yes	
System		
Dimensions (L x W x H)	8.46" x 3.43" x 2.16" / 215 x 87 x 55 mm	
Weight	3.08lb / 1.4kg	
Lamp distance from Ballast	≤ 25ft / 7.6m	
Ambient temperature range	-30°C to +65°C	
Maximum case temperature (Tc)	85°C	
Humidity	0 to 95% non-condensing	
EMC & immunity	FCC Title 47 Part 18 C (non consumer) EN55015 EN61547	
Safety	UL1029 & UL935, Outdoor Type1, suitable for recessed use. EN 61347	



Specifications subject to change without notice.

* For the latest information, please refer to our website: www.metrolight.com

** For mounting details, please refer to our website: www.metrolight.com

Product Configuration/ Order Options

M	Power Output	Lamp Type	Input Voltage	Connection Type	Case Type	Dimming	Digital Control
	250 Watt	MH Metal Halide	3 200-277V	US Wires (USA)	C Case	AD Analog Dimming	COM Communication
	320 Watt	HPS High Pressure Sodium		EU Wires (Europe)		ND No Dimming	
	350 Watt						
	400 Watt						
	450 Watt						

Example: **M400MH-3-US-C-AD-COM**



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