

SuperHID™ 20/39 and 2x39 HID ELECTRONIC BALLAST

Revolutionizing HID lighting

The SuperHID™ 20, 39 and 2X39 watt are members of the SuperHID™ microprocessor-controlled family of electronic HID ballasts.

This breakthrough solution is transforming the way architectural and commercial lighting fixtures are powered, radically improving life cycle light stability, and enabling full range dimming as a built-in option.

SuperHID™ ballasts are exceptionally easy to install, fitting right in with the most modern, compact architectural fixtures.

Superior Features

- The most compact dimensions in the industry
- Microprocessor-controlled for digital precision and reliability
- MicroStart™ digitally controlled ignition virtually eliminates lamp electrodes wear and “wall blackening”
- Lumen maintenance: >90% over lamp life
- Universal input voltage: 120 to 277V
- Full range dimming



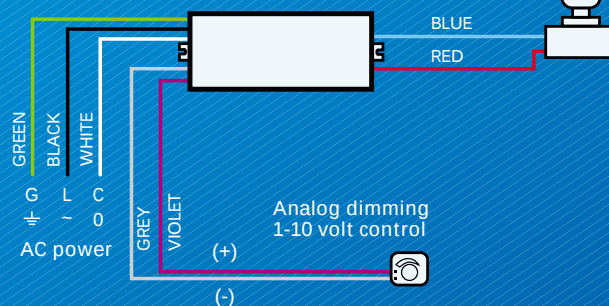
Metrolight

Powering the World of Light

SuperHID™ 20/39 and 2x39 HID ELECTRONIC BALLAST



Wiring Diagram:



Lamps	20W Ceramic MH, M156 39W Ceramic MH, BriteSpot, M130 2x39W Ceramic MH, Britespot, M130	Protections	
Input		Short circuit	Yes
Voltage	120V thru 277V (+10-15%)	Open circuit	Yes
Frequency	50/ 60Hz	Ignition failure	Yes
Inrush current	<15A (for M20/39) <30A (for M2x39)	Thermal	Yes
Power factor	≥0.90 (for 20W) ≥0.96 (for 39W and 2x39W)	End of lamp life	Yes
THD	<10%	System	
Input current protection	Fuse (internal)	Dimensions (L x W x H)	5.00" x 1.85" x 1.25" / 125.5 x 47 x 31.5mm (for M20/39 - Input voltage UX) 3.85" x 1.77" x 1.23" / 97 x 41 x 31mm (for M20/39 - Input voltage 1,2 & 3) 5.00" x 3.65" x 1.30" / 127 x 93 x 33mm (for M2x39)
Output		Weight	0.46lb / 210g (M20/39) 0.81lb / 370g (M2x39)
Power	20W (for M20) 39W (for M39) 2x39W (for M2x39)	Max. lamp distance from Ballast	≤ 10ft / 3m
Dimming	50-100% (M2x39 uses one dimmer controller for both lamps)	Operating temperature range	-25°C to +65°C
Output voltage range	70-150V	Maximum case temperature (Tc)	90°C
Output current	0.3A Max (for M20) 0.5A Max (for M39) 2x0.5A Max (for M2x39)	Humidity	0 to 95% non-condensing
Open circuit voltage	<300V	EMC	FCC Title 47 Part 18 C (non consumer) EN55015 EN61547
Ignition voltage	<4KV	Safety	UL1029 & UL935, Outdoor Type1, suitable for recessed use.
Frequency	166Hz ± 10%		EN 61347, CE mark

Specifications subject to change without notice.

Product Configuration/ Order Options

Power Output	Lamp Type	Input Voltage	Connection Type	Case Type	Dimming	Communication Interface
M	MH Metal Halide	1 95 - 135V 2 185 - 265V 3 185 - 305V UX 95 - 305V (Universal)	US Wires (USA) EU Connectors (Europe)**	C Case S Stud	AD Analog Dimming ND No Dimming	NC No communication

*2x39 can be ordered with the following configuration: M2x39MH-UX-US-C-AD/ND-NC

**EU - European connectors can be ordered with the following configuration: M20/39MH-2-EU-C-AD/ND-NC

Example: M39MH-UX-US-C-ND-NC



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