

Metrolight Solution for 1000W – 2000W HID Lamps

Sport Arenas, Airport and Security Lighting, Flood Lighting, High Masts

High power HID 1000–2000W lamps are commonly used for sport arenas, airports and security lighting applications. These systems frequently require hot-restrike capabilities that enable the reignition of "hot" lamps after momentary power outage.

With today's growing energy prices, users are looking for ways to dim down these energy consuming lighting systems when full illumination is not required.

Metrolight, a pioneer in HID electronic ballast, provides the complete solution for these applications.

SuperHID™ 1000

SuperHID™ 1000W is a dimmable electronic ballast for 500-1000W HID lamps. Unlike magnetic ballasts, Metrolight SuperHID™ implements a patented ignition technology and provides digitally controlled power to the lamp. This ensures constant light output, light uniformity and color stability.

- 90% lumen maintenance
- 50% - 100% continuous, flickering free dimming
- Double lamp-life
- 40-65% energy savings



SuperHID™ Hot Restrike Electronic Igniter

SuperHID™ Hot Restrike Igniter is designed for double-ended 1000–2000W metal halide lamps and is compatible with any magnetic ballast in this range. This solution takes advantage of patented Metrolight ignition technologies to dramatically improve lumen retention and light quality.

- MicroStart ignition technology eliminates electrode erosion
- Extends lamp-life through high frequency short ignition pulses
- The product is compact and relatively light

MetroControl™ System

Metrolight's new remote monitoring and control system enables connecting clusters of SuperHID™ ballasts to a central computer over GPRS.

- Operates light only when necessary
- Enables dimming schedules
- Enables preventive maintenance and group re-lamping

SuperHID™ 600/750/800/875/1000 HID Electronic Ballast

Lamps*	875W Pulse start MH	M141/E	Protections	
	HPS S52			Short circuit Yes
	1000W Pulse start MH	M166E	Open circuit	Yes
Input			Ignition failure	Yes
Voltage	347 - 480 VAC (+10 / -15%)		Thermal	Yes (thermal shutdown / derating)
Frequency	50/60Hz		End of lamp life	Yes
Inrush current	<30A		System	
Power factor	>0.97		Dimensions (L x W x H)*	12.3" x 5.2" x 2.6" / 312 x 133 x 66 mm
THD	<10%		Weight	7.7lb / 3.5kg
Current protection	Fuse (internal)		Lamp distance from Ballast**	≤ 25ft / 7.6m
Output			Ambient temperature range	<+65°C
Ignition voltage	< 4KV		Maximum case temperature (Tc)	85°C
Output current	5.8A Max		Humidity	0 to 95% non-condensing
Dimming	50% - 100%		EMC & immunity	FCC Title 47 Part 18 C (non consumer)
Open circuit voltage	600V			EN55015
Frequency	>80KHz			EN61547
			Safety	UL1029 & UL935, Outdoor Type, Suitable for recessed use. EN61347

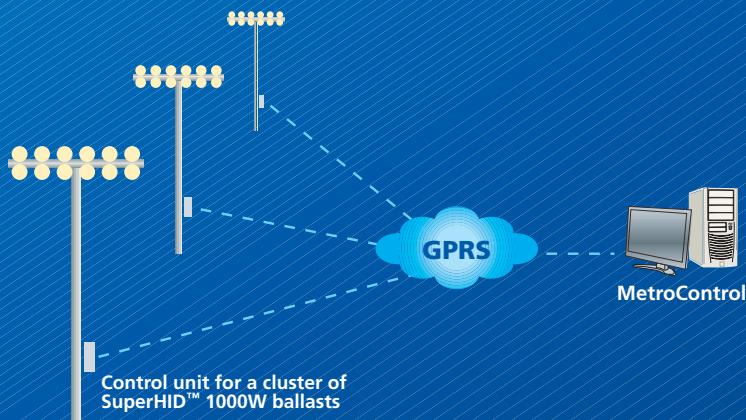
Specifications subject to change without notice.

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

** For longer distance please consult Metrolight

SuperHID™ Hot-Restrike Electronic Igniter For 1000-2000W MH Lamps

Lamp type	Metal Halide MHN (double-ended pulse start)
Lamp power	1000/1600/2000W
Input voltage	380/400/414 VAC (+10%/-15%)
Input frequency	50/60 Hz
Continuous current	12A max
Internal losses	6W max
Ignition voltage	50 KV PtP
Pulse duration (at 90% amplitude)	35-40nsec
Operating temperature	-30°C to +70°C
Dimensions	7" x 5.3" x 3" / 18 x 13.5 x 7.6 cm
Weight	7lb / 3.2Kg



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Order Option: MHR12000MH

Product Configuration/ Order Options SuperHID™ 600/750/800/875/1000 Product Configuration/Order Options

M	Power Output
	600 Watt
	750 Watt
	800 Watt
	875 Watt
	1000 Watt

Lamp Type	Input Voltage	Connection Type	Case Type	Dimming	Digital Control
MH Metal Halide	4 347 - 480V	US Wires (USA) EU Wires (Europe)	C Case	AD Analog Dimming ND No Dimming	COM Communication
HPS High Pressure Sodium					

Example: M1000MH-4-US-C-AD-COM



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