

# 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**

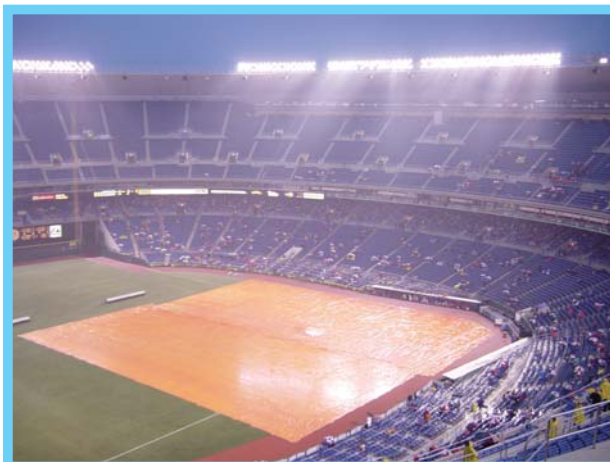
SuperHID™ Hot Restrike Igniter is designed for double-ended 1000–2000W metal halide lamps and is compatible with any magnetic ballast in this range. This solution takes advantage of patented Metrolight ignition technologies to dramatically improve lumen retention and light quality.

- 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



**Metrolight**

Powering the World of Light

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

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

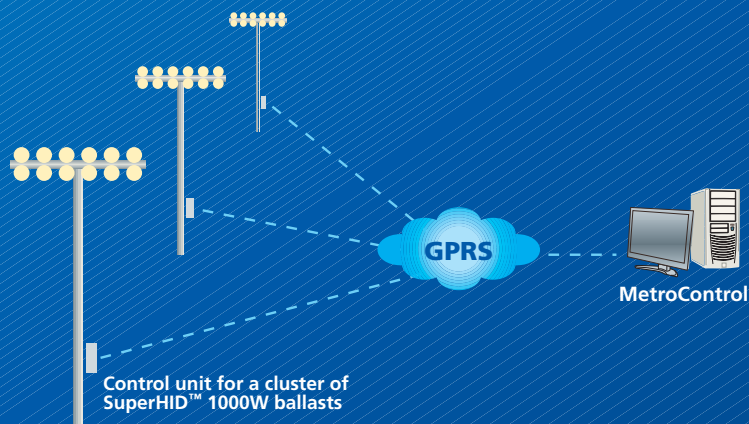
\*\* For longer distance please consult Metrolight

## 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

Specifications subject to change without notice.

Order Option: MHR12000MH



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

Power Output	Lamp Type	Input Voltage	Connection Type	Case Type	Dimming	Digital Control
<b>M</b>	<b>MH</b> Metal Halide	<b>4</b> 347 - 480V	<b>US</b> Wires (USA)	<b>C</b> Case	<b>AD</b> Analog Dimming	<b>COM</b> Communication
<b>600</b> Watt	<b>HPS</b> High Pressure Sodium		<b>EU</b> Wires (Europe)		<b>ND</b> No Dimming	
<b>750</b> Watt						
<b>800</b> Watt						
<b>875</b> Watt						
<b>1000</b> Watt						

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



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