



# HID

electronic ballasts

A RANGE OF HIGH EFFICIENCY ELECTRONIC BALLASTS, WITH HIGH RELIABILITY AND ADVANCED TECHNICAL FEATURES. ALL ARE MIRO PROCESSOR BASED FOR FLEXIBILITY AND CONTROL, TO GIVE EXTENDED LAMP USE, FLICKER FREE OPERATION AND DIMMING FROM 50-100%. COMPUTER CONTROLLED 'SOFT IGNITION' PROLONGS LAMP LIFE SPAN. OUR BALLASTS ARE IDEALLY SUITED FOR METAL HALIDE, HPS AND XENON LAMPS FOR A WIDE VARIETY OF APPLICATIONS



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## TECHNICAL SPECIFICATIONS

	20	39	2X39	50	70	100	150	250	320	350	400	450
<b>Input Power (W)</b>	23.6	46	92	58	78	110	158	269	344	376	430	482-HPS 478-MH
<b>Voltage (V.ac)</b>	120 - 277V + 10% - 15%							220 - 277 + 10% - 15%				
<b>Frequency (Hz)</b>	50 - 60 Hz											
<b>Inrush Current (A)</b>	<15	<15	<15	<15	<15	<15	<15	<25	<25	<25	<25	<25
<b>Power Factor</b>	.9	.96	.96	.96	.96	.96	>.95	>.97	>.97	>.97	>.97	>.97
<b>THD %</b>	<10%											
<b>Current Protection</b>	Internal Fuse											
<b>OUTPUT</b>												
<b>Dimming %</b>	50 - 100%											
<b>Output Current (A)</b>	.36	.48	.48	.625	.875	1.25	1.875	2.6/95V 1.8/140V	3.4/95V 2.3/140V	3.7/95V 2.5/140V	4.2/95V 2.9/140V	4.7/95V 3.2/140V
<b>Open Circuit Volts (V)</b>	<300											
<b>Ignition Voltage (V)</b>	<4KV											
<b>Frequency (Hz)</b>	166+/- 10%							<106KHz				
<b>PROTECTION</b>												
<b>Short Circuit</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Open Circuit</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Ignition Fail</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Thermal</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>End of Lamp Life</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>DIMENSIONS</b>												
<b>L x W x H (mm)</b>	126x47x32		130x93x32		119.5x77x31.4			118x86x38		215x87x55		
<b>Weight (kg)</b>	.210	.210	.370	.254	.254	.254	.318	1.4	1.4	1.4	1.4	1.4
<b>Max Distance to Lamp (M)</b>	<2	<2	<2	<2	<2	<2	<6M	<7.6	<7.6	<7.6	<7.6	<7.6
<b>Ambient Temp Range (°c)</b>	-25 to +65							-30 to +65				
<b>Max Case Temp (°c)</b>	90	90	90	90	90	90	90	85	85	85	85	85
<b>EMC</b>	FCC Title 47 part 18 (non consumer), EN 55015, EN 61547											
<b>Safety</b>	CE Mark, EN 61347, UL 1029 & UL935 Outdoor Type 1, Suitable for Recessed											

Royce Thompson products are fully RoHS compliant.

