



Tomorrow's Lighting Technology Today



- » Increase efficiency up to 60%
- » Reduce maintenance costs up to 50%
- » Dramatically extend lamp life
- » Retrofits are easy
- » Compact and Lightweight
- » Softer, more comfortable light

Empower's programmable energy-saving digital ballasts are the ideal choice for energy efficient High Intensity Discharge lighting, whether Metal Halide or High Pressure Sodium. For lamps from 150 to 750 watts, our innovative ballasts provide unsurpassed energy efficiency, tangible cost savings and dramatically reduce maintenance. Ideal for installations that demand consistent, cost-effective performance.

WHO CAN BENEFIT FROM EMPOWER?

- » Streets, highways and roadways
- » Auto dealerships
- » Manufacturing & warehousing
- » Garage & parking
- » High-bay retail
- » Agriculture
- » Construction
- » Parks & recreation



EXCEPTIONAL EFFICIENCY

Compared to magnetic ballasts, Empower's environmentally friendly, digital programmable ballasts provide dramatically reduced energy consumption, up to 60%!



UNMATCHED LUMEN STABILITY

With Empower digital programmable ballasts, lamp lumen output is maintained at a higher, more consistent level. The result is greater lumen-per-watt performance (efficacy) and a consistent light level over time.



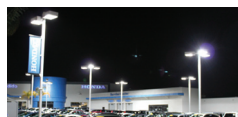
REDUCED MAINTENANCE

Our digital programmable ballasts produce less electrode degradation and help lamps last 50% longer! You'll re-lamp less often and reduce your operating costs.



SUPERIOR DIMMING CONTROL

Digital ballasts from Empower offer an integrated programmable dimming capability or can be used with external dimming controls to adjust the light level to the exact amount needed. Lowering the wattage saves energy and money!



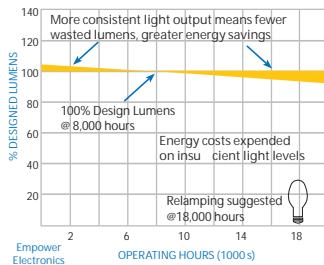
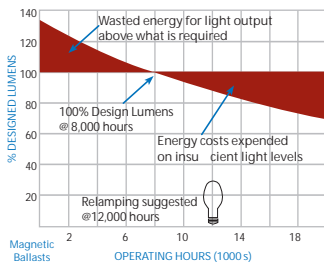
MEASURABLY BETTER QUALITY LIGHT

Empower digital programmable ballasts produce a higher Coloring Rendering Index (CRI) than systems utilizing magnetic ballasts, resulting in increased visual processing speeds for improved night safety.



Energy-efficient, digital programmable ballasts from Empower Electronics reduce energy consumption and save you money while improving the quality of your HID lighting.

Improved lamp lumen maintenance. Magnetic ballasts exaggerate the depreciation of lumen output over time. Empower's digital ballasts maintain lamp lumen output at a higher and more consistent level. Lighting looks better and costs less to supply.



SPECIFICATIONS*

Power Factor	>0.95
Harmonic Distortion	<10%, <15% for 150-200W operation
Dimming Input Voltage	0 to 10 VDC (isolated), 0 - 50% dimming
Lamp Current Crest Factor	1.4V
Ignition Voltage	3-4 KV Peak
Ignition Re-strike Time	10 seconds, nominal. Up to 5 restrikes at 3 minute intervals, if required.
EMI/RFI	Complies with FCC Title 47, Part 18 C
Safety	UL Certified, Outdoor Type I, Suitable for Recessed Use
Surge Protection	Up to 10 KV
Min. Lamp Starting Temp.	-30°C
Max. Case Temperature	90°C
Operating Temp. Range	-35°C to +55°C
Housing Dimensions	TYPE A: 20.78 X 12.88 X 6.88 cm / 8.18 X 5.07 X 2.71 in TYPE B: 30.96 X 12.88 X 6.88 cm / 12.19 X 5.07 X 2.71 in
Weight	TYPE A: 1.6 kg / 3.5 lbs TYPE B: 2.3 kg / 5.1 lbs

MODELS*

Call for other wattages and lamp types

Lamp Wattage	Lamp Type	Input Voltage	Input Current	Input Wattage @277V	Model Number	Housing Type
150W	HPS	120-277V	1.40-0.61 A	156W	eHID150-HPS	A
200W	HPS	120-277V	1.81-0.78 A	208W	eHID200-HPS	A
200W	MH	120-277V	1.81-0.78 A	208W	eHID200-MH	A
250W	HPS	120-277V	2.23-0.96 A	260W	eHID250-HPS	A
250W	MH	120-277V	2.23-0.96 A	260W	eHID250-MH	A
310W	HPS	120-277V	2.73-1.18 A	323W	eHID310-HPS	A
320W	MH	120-277V	2.83-1.23 A	333W	eHID320-MH	A
400W	HPS	120-277V	3.46-1.50 A	417W	eHID450-HPS	A
400W	MH	120-277V	3.46-1.50 A	417W	eHID450-MH	A
450W	MH	120-277V	3.88-1.68 A	469W	eHID450-MH	B
575W	MH	208-277V	2.81-2.11 A	599W	eHID575-MH	B
600W	HPS	208-277V	2.93-2.20 A	625W	eHID600-HPS	B
600W	MH	208-277V	2.93-2.20 A	625W	eHID600-MH	B
750W	MH	208-277V	3.65-2.74 A	781W	eHID750-MH	B

*Models and specifications are subject to change without notice. Consult Empower Electronics.

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