

**To: Universal Lighting Technologies Customers**

**Subject: Energy Independence and Security Act of 2007 Regulations**

Legislation Overview

Effective January 1, 2009 new metal halide luminaries built for the U.S. market with 150W-500W lamps can no longer contain probe-start metal halide ballasts. In addition, pulse-start metal halide luminaries in the same wattage range must contain a magnetic ballast with minimum 88% efficiency, an electronic ballast with 92% minimum ballast efficiency for lamps greater than 250W or 90% minimum ballast efficiency for lamps less than or equal to 250W.

Fixtures with regulated lag ballasts and fixtures that use electronic ballasts that operate at 480 volts are exempt from the ruling. Fixtures that are rated only for 150W lamps, rated for use in wet locations and containing a ballast that is rated for ambient temperatures above 50°C are also exempt from the ruling.

Compliant ballasts and luminaire packaging must be labeled with  $\text{E}$ .

Probe-start metal halide ballasts can still be sold into Distribution for replacement purposes. As ballasts in compliant luminaries (marked with  $\text{E}$ ) need to be replaced, they must be replaced with compliant ballasts.

ULT Offering

Universal has developed a full line of compliant magnetic pulse-start metal halide ballasts to meet the new efficiency requirements. Per the ruling every compliant ballast is marked with a  $\text{E}$ .

Universal will continue to offer 150W high-reactance ballasts, which can be used in wet location fixtures to meet the exemption. These ballasts will have a separate label that states "Suitable for use in ambient temperatures >50°C in luminaires rated for wet location."

Universal will continue to offer probe-start metal halide ballasts to Distribution customers and OEM customers who sell into the Export market.

Please refer to the cross reference sheet for probe-start metal halide model availability and recommended compliant replacements.

## EISA Compliant Magnetic HID Products

Wattage	Voltage	Ballast Type	Part Number
<b>150</b>	277	RX-NPF RX-HPF	M150277RCEM
	120/208/ 240/277	HX-HPF	M150MLTLC3M <sup>1</sup>
	120/208/ 240/277	CWA	M150MLTAC3M <sup>1</sup>
	480/120T	HX-HPF	M15048TLC3M <sup>1</sup>
<b>175</b>	277	RX-NPF RX-HPF	P175277RCEM
	120/208/ 240/277	CWA	P175MLTAC3L
	120/208/ 240/277	CWA	P175MLTAC4L
	480/120	CWA	P17548TAC3L
	480/120T	CWA	P17548TAC4L
<b>200</b>	120/208/ 240/277	CWA	P200MLTAC3L
	480/120T	CWA	P20048TAC3L
<b>250</b>	277	RX-NPF RX-HPF	P250277RCEM
	120/208/240/277	CWA	P250MLTAC4L
	120/208/240/277/480	CWA	P250ML5AC4L
	480/120T	CWA	P25048TAC4L
<b>320</b>	277	RX-NPF RX-HPF	P320277RCEM
	120/208/240/277	CWA	P320MLTAC40
	120/208/240/277/480	CWA	P320ML5AC4L
	480/120T	CWA	P32048TAC4L
<b>350</b>	277	RX-NPF RX-HPF	P350277RCEM
	120/208/240/277	CWA	P350MLTAC40
	120/208/240/277/480	CWA	P350ML5AC40
	480/120T	CWA	P35048TAC40
<b>400</b>	120/208/240/277	CWA	P400MLTAC4L
	120/208/240/277/480	CWA	P400ML5AC4L
	480/120T	CWA	P40048TAC4L
<b>450</b>	120/208/240/277	CWA	P450MLTAC4L
	120/208/240/277/480	CWA	P450ML5AC4L
	480/120T	CWA	P45048TAC4L

**1 - Meets EISA exception when used in fixture rated for UL wet location**