

March 6, 2010

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 rated for ambient temperatures above 50°C are also exempt from the ruling.

Compliant ballasts and luminaire packaging must be labeled with E .

Probe-start metal halide ballasts can still be sold into Distribution for replacement purposes. As ballasts in compliant luminaries (marked with 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 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.

OEM Non-Compliant Ballast Order Guidelines

- **Effective October 17, 2008 no returns of non-compliant inventory will be allowed.**
- **All orders for non-compliant models must be provided in the form of separate, non-cancelable purchase orders by October 17, 2008. Final releases are to be scheduled no later than December 15, 2008.**
- **Select models (as indicated in availability column below) will be put in "phase-out" status on December 15, 2008, such that they will become obsolete when inventories are depleted. If no stock, they will immediately become obsolete.**

Non-Compliant Metal Halide Models, Availability and Suggested Replacements

Wattage	Voltage	Non-Compliant Models	Availability	Suggested Compliant Replacements	Notes
150	120/208/ 240/277	M150MLTLC3M ¹		S150MLTLC3M, EC150UNVSE	
		M150MLTLC3D		n/a	
	277/120	11210242CTC		188308, 188243	no F-can available
		11210539CTC		188308, 188243	no F-can available
480/120	M15048TLC3M ¹		P17548TAC4L, P17548TAC3L, S15048TLC3M		
175	120	M175120AC3M		M150MLTLC3M ¹ , P175MLTAC4L, P175MLTAC3L	
	277	M175277AC3M	Obsolete	P175277RCEM, M150MLTLC3M ¹ , P175MLTAC4L, P175MLTAC3L	
	120/208/ 240/277	M175MLTAE3M	Obsolete	188308, 188243	no E&P available
		M175MLTAC3M		P175MLTAC4L, P175MLTAC3L, M150MLTLC3M ¹ , S150MLTLC3M	
	120/208/240/ 277/480	M175ML5AC3M		P175MLTAC4L & P17548TAC4L, P175MLTAC3L & P17548TAC3L, M150MLTLC3M ¹ & M15048TLC3M ¹ , S150MLTLC3M & S15048TLC3M	
		P175ML5AC3M		P175MLTAC4L & P17548TAC4L, P175MLTAC3L & P17548TAC3L	
	277/120	1110245SCTC		188308, 188243	no F-can available
	480/120	M17548TAC3M		P17548TAC4L, P17548TAC3L, M15048TLC3M ¹ , S15048TLC3M	
P17548TAC3M		Obsolete	P17548TAC4L, P17548TAC3L, M15048TLC3M ¹ , S15048TLC3M		
200	120/208/ 240/277	P200MLTAC3M	Obsolete	P250MLTAC4L	
		P200MLTAC4M	Obsolete	P250MLTAC4L	
	120/208/240/ 277/480	P200ML5AC3M		P250MLTAC4L, P25048TAC4L	
	480/120	P20048TAC3M	Obsolete	P25048TAC4L	
250	120	M250120AC3M	Obsolete	P250MLTAC4L	
	208	M250208AC3M	Obsolete	P250MLTAC4L	
	277	M250277AC3M	Obsolete	P250MLTAC4L	
	120/208/ 240/277	M250MLTAC3M		P250MLTAC4L	
		M250MLTAC4M		P250MLTAC4L	
		M250MLTAE3M	Obsolete	P250MLTAC4L	only C&C available
	120/208/240/ 277/480	P250MLTAC4M		P250MLTAC4L	
		M250ML5AC3M		P250MLTAC4L, P25048TAC4L	
		M250ML5AC4M		P250MLTAC4L, P25048TAC4L	
	277/120	P250ML5AC4M		P250MLTAC4L, P25048TAC4L	
		1110246CTC		None	no F-can available
	480/120	1111246CTC		None	no F-can available
M25048TAC3M			P25048TAC4L		
M25048TAC4M			P25048TAC4L		
P25048TAC4M			P25048TAC4L		
320	120/208/240/ 277/480	P320ML5AC4M		P320ML5AC4L	
		P320ML5AN4M		P320ML5AC4L	Class H insulation
	277/120	P32027TAFXM	Obsolete	None	no F-can available
	480/120	P32048TAC4M	Obsolete	P32048TAC4L	
350	480	P350480AC4M	Obsolete	P35048TAC4L	
	480/120	P35048TAC4M		P35048TAC4L	
	120/208/240/ 277/480	P350ML5AC4M		P350ML5AC4L	
		P350ML5AN4M		P350ML5AC4L	Class H insulation
400	120	M400120AC4M		P400MLTAC4L, P350MLTAC4M, P320MLTAC40	
	277	M400277AC4M	Obsolete	P400277RCEM, P350277RCEM, P320277RCEM	
	480	M400480AC4M	Obsolete	P40048TAC4M, P35048TAC4L, P32048TAC4L	
	120/208/ 240/277	M400MLTAC4L	Obsolete	P400MLTAC4L, P350MLTAC4M, P320MLTAC40	
		M400MLTAC4M		P400MLTAC4L, P350MLTAC4M, P320MLTAC40	
		M400MLTAE4M	Obsolete	P400MLTAC4L, P350MLTAC4M, P320MLTAC40	only C&C available
	120/208/240/ 277/480	M400MLTAI4X	Obsolete	P400MLTAC4L, P350MLTAC4M, P320MLTAC40	only C&C available
		M400ML5AC4M		P400ML5AC4M, P350ML5AC4L, P320ML5AC4L	
	277/120	M400ML5AN4M		P400ML5AN4M	
		1110247SCTC		None	no F-can available
480/120	1111247SCTC		None	no F-can available	
480/120	M40048TAC4M		P40048TAC4M, P35048TAC4L, P32048TAC4L		

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