



# EISA-Compliant Pulse Start Ballasts

## Energy Independence & Security Act of 2007 Builds On and Expands California's Title 20 Compliance Nationwide

Under the Energy Independence and Security Act of 2007, all 150W to 500W metal halide luminaires manufactured on or after January 1, 2009, must contain a ballast meeting the following levels of efficiency:

- 88% for magnetic or electronic pulse start ballasts
- 94% for magnetic probe start ballasts
- 92% for non-pulse start electronic ballasts for wattages greater than 250W
- 90% for non-pulse start electronic ballasts for wattages up to 250W

Exclusions from the legislation include luminaires that utilize regulated lag or 480V electronic ballasts. Also excluded are luminaires that are rated for 150W lamps and wet locations and contain a ballast rated for use in an ambient temperature greater than 50°C.

Indicating compliance, affected luminaires produced after this date must exhibit a circled "E" on both product packaging and on ballast labels.

While non-compliant ballasts are no longer available to our OEMs, we have made identification of compliant product easier by adding an "EE" suffix to the end of every part number that meets EISA requirements.

Retrofitting is not required for existing probe start metal halide installations, and replacement ballasts will continue to be available from Philips Lighting Electronics.

The stringent EISA minimum efficiency requirement of 94% for magnetic probe start ballasts has in effect, made 175W to 400W probe start ballasts obsolete in new luminaires after January 1, 2009.

Empowering your efforts to move to EISA-compliant pulse start technology, we have developed a full line of "EE" ballasts for your varied applications. Please call your Philips sales representative today for more information on our product offering of EISA-compliant ballasts.

# PHILIPS

## EISA-Compliant Philips Advance Magnetic HID Ballast Options

Watts	ANSI	Voltage	Part Number	Circuit	Dimensions
150W	M102, M142	277V	71A5437-500DBPA <sup>^</sup>	R-HPF	2.6 x 2.2 x 2.5
150W	M102, M142	480V/120T	71A5442-500DTA <sup>^</sup>	HX-HPF	2.9 x 4.0 x 2.8
150W	M102, M142	480V/120T	71A5443-520DTA <sup>^</sup>	SCWA	2.9 x 4.0 x 2.4
150W	M102, M142	120/208/240/277V	71A5492-500D <sup>^</sup>	HX-HPF	2.9 x 4.0 x 2.3
150W	M102, M142	120/208/240/277V	71A5493-520D <sup>^</sup>	SCWA	2.9 x 4.0 x 2.4
ⓔ 175W	M137, M152	480V/120T	71A5541-500DTEE	SCWA	4.25 x 4.75 x 1.8
ⓔ 175W	M137, M152	480V/120T	71A5543-500DTEE	SCWA	2.9 x 4.0 x 3.1
ⓔ 175W	M137, M152	120/208/240/277V	71A5591-500DEE	SCWA	4.25 x 4.75 x 1.65
ⓔ 175W	M137, M152	120/208/240/277V	71A5593-500DEE	SCWA	2.9 x 4.0 x 3.2
ⓔ 200W	M136	480V/120T	71A5642-500DTEE	SCWA	2.9 x 4.0 x 2.9
ⓔ 200W	M136	120/208/240/277V	71A5692-500DEE	SCWA	2.9 x 4.0 x 2.95
ⓔ 205W	C184	120/208/240/277V	AS205WQUAD500DEE	SCWA	4.25 x 4.75 x 1.7
ⓔ 250W	M138, M153	480V/120T	71A5742-500DTEE	SCWA	4.25 x 4.75 x 2.15
ⓔ 250W	M138, M153	120/208/240/277/480V	71A5752-500DAEE	SCWA	4.25 x 4.75 x 2.2
ⓔ 250W	M138, M153	120/208/240/277V	71A5792-500DEE	SCWA	4.25 x 4.75 x 1.6
ⓔ 320W	M132, M154	480V/120T	71A5842-500DTAEE	SCWA	4.25 x 4.75 x 2.2
ⓔ 320W	M132, M154	120/208/240/277/480V	71A5852-500DAEE	SCWA	4.25 x 4.75 x 2.2
ⓔ 320W	M132, M154	120/208/240/277V	71A5892-500DAEE	SCWA	4.25 x 4.75 x 2.1
ⓔ 350W	M131	480V/120T	71A5943-500DTAEE	SCWA	4.25 x 4.75 x 2.2
ⓔ 350W	M131	120/208/240/277/480V	71A5953-500DAEE	SCWA	4.25 x 4.75 x 2.2
ⓔ 350W	M131	120/208/240/277V	71A5993-500DAEE	SCWA	4.25 x 4.75 x 2.13
ⓔ 400W	M135, M155	480V/120T	71A6042-500DTAEE	SCWA	4.25 x 4.75 x 2.11
ⓔ 400W	M135, M155	120/208/240/277/480V	71A6052-500DAEE	SCWA	4.25 x 4.75 x 2.2
ⓔ 400W	M135, M155	120/208/240/277V	71A6092-500DAEE	SCWA	4.25 x 4.75 x 2.16
ⓔ 450W	M144	120/208/240/277V	71A6393-500DEE	SCWA	4.25 x 4.75 x 2.25
ⓔ 450W	M144	480V/120T	71A6343-500DTEE	SCWA	4.25 x 4.75 x 2.4

<sup>^</sup> Compliant only with 150W rated luminaires that are rated for use in wet locations and that contain a ballast rated to operate at ambient temperatures above 50°C.



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