Philips Advance EISA-Compliant Magnetic HID Ballast Options

Watts	ANSI	Voltage	Part Number*	Circuit	Dimensions
150W	M102, M142	277V	71A5437-500DBP[A]	R-HPF	2.6 x 2.2 x 2.5 (HxLxA)
150W	M102, M142	120/208/240/277V	71A5492-500D[A]	HX	2.9 x 4.0 x 2.3 (HxLxA)
150W	M102, M142	120/208/240/277V	71A5493-500D[A]	SCWA	2.9 x 4.0 x 2.4 (HxLxA)
150W	M102, M142	480/120T	71A5442-500DT[A]	HX	2.9 x 4.0 x 2.8 (HxLxA)
175W	M137, M152	120/208/240/277V	71A5593-500DEE	SCWA	2.9 x 4.0 x 3.1[B] (HxLxA)
175W	M137, M152	480/120T	71A5543-500DTEE	SCWA	2.9 x 4.0 x 3.1[B] (HxLxA)
200W	M136	277V	71A5637-500DEE	R-HPF	4.5 x 3.75 x 1.0 (HxLxA)
200W	M136	120/208/240/277V	71A5692-500DEE	SCWA	2.9 x 4.0 x 2.9[C] (HxLxA)
200W	M136	480/120T	71A5642-500DTEE	SCWA	2.9 x 4.0 x 3.0[C] (HxLxA)
250W	M138, M153	277V	71A5737-500DEE	R-HPF	4.5 x 3.75 x 1.3 (HxLxA)
250W	M138, M153	120/208/240/277V	71A5792-500DEE	SCWA	4.25 x 4.75 x 1.5 (HxLxA)
250W	M138, M153	480/120T	71A5742-500DTEE	SCWA	4.25 x 4.75 x 1.5 (HxLxA)
250W	M138, M153	5-TAP	71A5752-500DAEE	SCWA	4.25 x 4.75 x TBD (HxLxA)
320W	M132, M154	277V	71A5837-500DEE	R-HPF	4.5 x 3.75 x 1.7 (HxLxA)
320W	M132, M154	120/208/240/277V	71A5892-500DAEE	SCWA	4.25 x 4.75 x 1.8 (HxLxA)
320W	M132, M154	480/120T	71A5842-500DTAEE	SCWA	4.25 x 4.75 x 1.8 (HxLxA)
320W	M132, M154	5-TAP	71A5852-500DAEE	SCWA	4.25 x 4.75 x TBD (HxLxA)
350W	M131	277V	71A5937-500DEE	R-HPF	4.5 x 3.75 x 1.9 (HxLxA)
350W	M131	120/208/240/277V	71A5993-500DAEE	SCWA	4.25 x 4.75 x 1.8 (HxLxA)
350W	M131	480/120T	71A5943-500DTAEE	SCWA	4.25 x 4.75 x 1.95 (HxLxA)
350W	M131	5-TAP	71A5953-500DAEE	SCWA	4.25 x 4.75 x TBD (HxLxA)
400W	M135, M155	277V	71A6137-500DEE	R-HPF	4.5 x 3.75 x 1.6 (HxLxA)
400W	M135, M155	120/208/240/277V	71A6092-500DAEE	SCWA	4.25 x 4.75 x 1.9 (HxLxA)
400W	M135, M155	480/120T	71A6042-500DTAEE	SCWA	4.25 x 4.75 x 2.1 (HxLxA)
400W	M135, M155	5-TAP	71A6052-500DAEE	SCWA	4.25 x 4.75 x 2.18 (HxLxA)
450W	M144	277V	71A6337-500DEE	R-HPF	4.5 x 3.75 x 1.9 (HxLxA)
450W	M144	120/208/240/277V	71A6393-500DEE	SCWA	4.25 x 4.75 x 2.3 (HxLxA)
450W	M144	480/120T	71A6343-500DTEE	SCWA	4.25 x 4.75 x 2.4 (HxLxA)

All represented ballasts meet both California's Title 20 and the Energy Independence & Security Act of 2007.

* Contact your sales representative for information on product availability and additional compliant ballasts.

Note: The "A" dimension refers to the stack height for magnetic ballasts, and is referred as such in all Philips Advance product literature.

[A] Compliant only with luminaires rated for use in wet locations and that contain a ballast rated to operate at ambient temperatures above 50°C.

[B] Former A dimension (stack height) was 2.3.

[C] Former A dimension (stack height) was 2.5.

Form No. RT-8120-R04 9/08

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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-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

Exclusions from the legislation include luminaires that utilize regulated lag or 480V electronic ballasts. Also excluded are luminaires rated for 150W lamps, 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 will no longer be available to our OEMs, we are making identification of compliant product easier by adding an "EE" suffix to the end of every part number that meets EISA requirements.

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

The stringent EISA minimum efficiency requirement of 94% for magnetic probe start ballasts will effectively make 175W - 400W probe start ballasts obsolete in new luminaires after January 1, 2009. We support this movement away from probe start technology for new luminaires, and encourage our customers to be proactive and make the move to pulse start technology well before the effective date of the legislation.

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 sales representative today for more information on our product offering and how we can help you make the transition to EISA-compliant ballasts.

PHILIPS
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ORDERING INFORMATION

How to Order

Advance Transformer has developed the industry's broadest selection of HID ballasts. More than 3000 stocking distributors nationwide. For information on the distributor best able to serve your needs, please call 800-372-3331.

Advance HID Ballast Part Number Explanation

71A	60	9	1	-500D

Suffix Code* (as applicable)

-001DB	ballast replacement kit with dry capacitor and integral ignitor
-001D	ballast replacement kit with dry film capacitor
-001	ballast replacement kit with oil filled capacitor
-500D	core & coil ballast with dry film capacitor
-500	core & coil ballast with oil filled capacitor
-510D	core & coil ballast with welded bracket and dry film capacitor
-510	core & coil ballast with welded bracket and oil filled capacitor
-540D	core & coil ballast with welded angle bracket and dry film capacitor
-600	core & coil ballast (no capacitor)
-610	core & coil ballast with welded bracket (no capacitor)

* Add additional feature codes to the end of suffix where applicable.
i.e. -B = Integral Ignitor, -P = Thermally Protected, -J = J-Box Mounting, -A = Aluminum Secondary Coil, -M = "NOM" (with capacitor), -T = 120V Tap

Design Code

INPUT VOLTAGE CODE

60 Hz Voltages		50 Hz Voltages
0 = 120V	**A** = 120/277/347V	**M** = 100/200V
1 = 208V	**B** = 347V	**N** = 120/220-240V
2 = 240V	**C** = 120/347V	**R** = 220/240V
3 = 277V	**D** = 120/240/347V	
4 = 480V	**E** = 120/208/240V or 208/240V	
5 = 120/240V or 120/208/240/277/480V	**F** = 277/480V, 277/347V, 277/347/480V or 347/480V	
6 = 240/480V	**H** = 127/220V	
7 = 120/208/240/277V	**J** = 220V or 220/240V	
8 = 120/277V	**Y** = 100V or 100/200V	
9 = 120/208/240/277V		

Lamp Type/Wattage/Ballast Circuit Code

Ballast Type

71A	=	Core and Coil Ballast
72C	=	F-Can Ballast
73B	=	Encapsulated Core and Coil Ballast
74P	=	Postline Ballast
77K	=	Val-U-Pak Replacement Ballast Kit
77L	=	Val-U-Pak Plus Replacement Ballast kit (includes lamp)
78E	=	Indoor Enclosed Ballast
79W	=	Outdoor Weatherproof Ballast