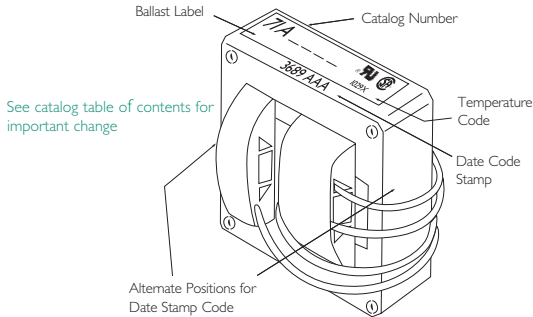


HIGH INTENSITY DISCHARGE BALLASTS

Ballast Date and Temperature Codes



Philips Advance HID Core & Coil ballasts are date stamped on either the top surface or the side surface of the ballast core. The four-digit number represents the week and year of manufacture. The first two numbers indicate the week and the last two indicate the year the ballast was manufactured. The example shows a ballast manufactured during the 36th week of 1989. The three letters are a factory code.

The ballast's UL Bench Top Rise Temperature Code is shown on the label (see below).

UL Bench Top Rise Temperature Code

To facilitate UL inspection, each ballast's UL Bench Top Rise Temperature Code is shown on the Philips Advance Core & Coil ballast label as 1029X, where 1029 is the UL Standard for HID Ballasts, and the X is the temperature code: A, B, C, etc. If a fixture is UL listed for 1029C, then automatically, all ballasts with an A, B, or C temperature classification are acceptable for use within that same fixture.

UL Bench Top Rise Letter Code	Temperature Range for Class H (180°C) Ballasts	Temperature Range for Class N (200°C) Ballasts
A	less than 75°C	less than 95°C
B	75°C < 80°C	95°C < 100°C
C	80°C < 85°C	100°C < 105°C
D	85°C < 90°C	105°C < 110°C
E	90°C < 95°C	110°C < 115°C
F	95°C < 100°C	115°C < 120°C
etc.	etc.	etc.

Certifications



Indicates ballast is listed by Underwriters Laboratories, Inc. in accordance with UL 1029 Standard for HID Ballasts. Each ballast is marked appropriately. (UL File Number E94520)



Indicates ballast is component recognized by Underwriters Laboratories, Inc. in accordance with UL 1029 Standard for HID Ballasts. Each ballast is marked appropriately.



Indicates ballast is certified by Canadian Standards Association in accordance with CAN/CSA-22.2 No. 74-92. Each ballast is marked appropriately.



All HID Ballasts are designed and manufactured in accordance with the American National Standards Institute Standard for HID Ballasts, ANSI C82.4.



Indicates ballast is certified and compliant with "Norma Obligatoria Mexicana" (NOM) requirements



Indicates ballast meets the 88% efficiency requirements of EISA (Energy Independence and Security Act of 2007).

EISA requires all 150W-500W metal halide luminaires manufactured on or after January 1, 2009, to 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, and
- 90% for non-pulse start electronic ballasts for wattages up to 250W

Please refer to the EISA brochure found on the www.philips.com/advance website for additional info on EISA-Compliant Pulse Start ballasts.

HID Val-U-Pak Plus Replacement Kits

Val-U Pak Plus



HID installations just got simpler, more convenient – and significantly faster with the new Val-U-Pak Plus kits.



Why Should You Change All the Components?

HID fixtures are generally difficult to reach and to service. Subsequently, the cost of labor can often exceed the cost of the ballast and/or lamp. When the ballast, capacitor or ignitor reach end-of-life, it is recommended that all of these components in the fixture be replaced at the same time. It is equally suggested that the lamp also be replaced, assuring optimal performance of the system and eliminating the need to re-service the fixture during the entire life-cycle of the lamp.



Metal Halide

Input Volts	Catalog Number	Circuit Type	Total Weight (Lbs)	Certifications	
					
70W Lamp, ANSI Code M98 (Med) or M143 (Pulse Start)					
120/208/240/277	77L5292-001D-MED 77L5292-001D-MOG	HX-HPF	5.0	✓	✓
100W Lamp, ANSI Code M90 or M140 (Pulse Start)					
120/208/240/277	77L5390-001D	HX-HPF	5.5	✓	✓
150W Lamp, ANSI Code M102 or M142 (Pulse Start)					
120/208/240/277	77L5492-001D	HX-HPF	7.0	✓	✓
175/150W Lamp, ANSI Code M57/M107					
120/208/240/277	77L5570-001D	CWA	9.5	✓	✓
250W Lamp, ANSI Code M58					
120/208/240/277/480	77L5750-001D	CWA	14.0	✓	✓
400W Lamp, ANSI Code M59					
120/208/240/277/480	77L6051-001D	CWA	17.0	✓	✓
1000W Lamp, ANSI Code M47					
120/208/240/277/480	77L6552-001	CWA	29.0	✓	✓

New

HID Val-U-Pak Plus Replacement Kits

High Pressure Sodium

Input Volts	Catalog Number	Circuit Type	Total Weight (Lbs)	Certifications	
					
50W Lamp, ANSI Code S68					
120/208/240/277	77L7891-001D	HX-HPF	7.3	✓	✓
70W Lamp, ANSI Code S62					
120/208/240/277	77L7971-001D-MED 77L7971-001D-MOG	HX-HPF	8.5	✓	✓
100W Lamp, ANSI Code S54					
120/208/240/277	77L8071-001D-MED 77L8071-001D-MOG	HX-HPF	8.5	✓	✓
150W Lamp, ANSI Code S55					
120/208/240/277	77L8172-001D-MED 77L8172-001D-MOG	HX-HPF	9.5	✓	✓
250W Lamp, ANSI Code S50					
120/208/240/277/480	77L8251-001D	CWA	15.0	✓	✓
400W Lamp, ANSI Code S51					
120/208/240/277/480	77L8453-001D	CWA	16.0	✓	✓
1000W Lamp, ANSI Code S52					
120/208/240/277/480	77L8753-001	CWA	31.0	✓	✓



New

New

New

New

Pulse Start Metal Halide with AllStart Lamps

Input Volts	Catalog Number	Circuit Type	Total Weight (Lbs)	Certifications	
					
145 Watt Lamp, ANSI Code C192 (Pulse Start) (Replaces 175W MH)					
120/208/240/277	AS145WQUADVPK	Super CWA	12.0	✓	✓
205 Watt Lamp, ANSI Code C184 (Pulse Start) (Replaces 250W MH)					
120/208/240/277	AS205WQUADVPK	Super CWA	14.0	✓	✓
330 Watt Lamp, ANSI Code C185 (Pulse Start) (Replaces 400W MH)					
120/208/240/277	AS330WQUADVPK	Super CWA	17.0	✓	✓

New

New

New

Features of Val-U-Pak Plus:

- **Added Versatility** – 5-Tap core and coil ballast for the six most popular applications
*Adds the 480V input lead to the Quadri-Volt design
- **All Inclusive** – Premium grade clear lamp supplied in kit is warranted by Philips Lighting Electronics N.A.
- **Higher Wattage Options** – Philips Advance Class N (200°C) insulation system on 1000W units provides an additional 20°C margin for high ambient applications