

Magnetic Ballast

Simplified Solutions

OSRAM SYLVANIA is focused on helping our customers understand our products, and to simplifying their use and applications. SYLVANIA magnetic fluorescent product labels include an industry first cross-reference guide to help identify the proper ballast for replacing existing installed products. The line voltage is also clearly identified to ensure proper application, and our shipping carton labels are also color coded to indicate the voltage to help avoid misapplication even before the ballasts are out of the box.

SYLVANIA magnetic HID ballast descriptions are based on the corresponding lamp description to make lamp/ballast matching and identification easier.

All fluorescent and HID carton labels also identify the corresponding lamp/ballast matching to make proper product selection as clear and as simple as possible.

Magnetic Ballasts

OSRAM SYLVANIA offers a wide range of magnetic ballast products to support our customers with SYLVANIA brand lighting products. This array of products will allow our customers a broad selection of magnetic ballasts to choose from to operate their SYLVANIA brand lamps.

- HID Magnetic SUPER 5 Kits
- Magnetic Fluorescent Sign Ballasts
- Pulse Start HID Ballasts
- F-Can HID Ballasts
- Indoor Enclosed HID Ballasts



Magnetic Fluorescent Ballasts

High quality products for most general applications – i.e. T12, T9, T8, and T5 lamps.

Magnetic Fluorescent Sign Ballasts

T12 high output magnetic ballasts for sign applications are designed to meet or exceed industry standards and requirements for the sign business.

HID Magnetic Ballast Kits

Easy to use replacement kits for the range of metal halide, pulse start metal halide, high pressure sodium and mercury lamps. Kits include core and coil, capacitors and ignitors (where required), brackets and mounting hardware.

Our SUPER 5 HID Kits have 120, 208, 240, 277 and 480V input voltage taps to reduce the number of models in inventory.

F-Can HID Ballasts

F-Can ballasts for indoor applications operate a range of metal halide, pulse start metal halide and high pressure sodium lamps with minimal noise.

METALARC® Indoor Enclosed HID Ballasts

Indoor enclosed ballasts for indoor applications where remote mounting is required.



DOE 2014 Rule Fluorescent Ballast

QUICKTRONIC® fluorescent ballasts meet requirements

The Department of Energy (DOE) 2014 ruling applies to fluorescent ballasts manufactured on or after November 14, 2014 that operate at an input voltage at or between 120 and 277 and operate at 60Hz line frequency. This rule also establishes a new ballast efficiency measurement metric known as Ballast Luminous Efficiency (BLE) as a measurement of lamp arc power. DOE 2014 requires ballasts to meet minimum performance criteria:

- Must be $>.90$ power factor for commercial or $>.50$ power factor for residential
- Residential ballasts must meet FCC 47 CFR part 18 consumer limits and be designed, labeled, and marketed only for use in residential applications
- Sign ballasts must meet UL Type 2 rating and be designed, labeled and marketed for use in outdoor signs

Exceptions to the rule:

- Dimming ballasts that dim to 50% or lower in output power
- Low frequency ballasts (magnetic) operating T8 lamps which are designed and labeled for EMI sensitive areas and are shipped in 10 or less packs
- Programmed rapid start ballasts that operate 4' bi-pin T8 lamps operating $<140\text{mA}$



Currently more than 98% of QUICKTRONIC ballasts comply with the DOE 2014 rule. All models have been tested under the guidelines. Products that do not comply are being re-engineered. All future model designs will be designed to qualify for the DOE 2014 rule.



MAGNETIC HID

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Circuit Type	Input Power (Watts)	ADVANCE Catalog # ⁸	Universal Lighting Technologies* Catalog # ⁸	Venture Lighting Catalog # ⁸	Howard Industries Catalog # ^{8,9}
METALARC® METAL HALIDE CORE & COIL BALLAST KITS								
175W Metal Halide Lamp – ANSI Code M57								
47243	M175/SUPER5-KIT	120/208/ 240/277/480	CWA	210	–	M175ML5AC3M & M175ML5AC3M-500K	–	M017581C212
47735	M175/MULTI-KIT	120/208/ 240/277	CWA	210	71A5590 & 71A5570-001D	M175MLTAC3M & M175MLTAC3M-500K	V90D6111K	M017571C211
250W Metal Halide Lamp – ANSI Code M58								
47265	M250/SUPER5-KIT	120/208/ 240/277/480	CWA	290	71A5750 & 71A5750-001D	M250ML5AC4M & M250ML5AC4M-500K	–	M025081C211
47737	M250/MULTI-KIT	120/208/ 240/277	CWA	290	71A5790 & 71A5770-001D	M250MLTAC4M & M250MLTAC4M-500K	V90D6212K	M025071C211
47049	M250/MULTI 3X4-KIT	120/208/ 240/277	CWA	294	71A5791 & 71A5771-001D	M250MLTAC3M & M250MLTAC3M-500K	V90D6211K	M025071C212
400W Metal Halide Lamp – ANSI Code M59								
47338	M400/SUPER5-KIT	120/208/ 240/277/480	CWA	458	71A6051 & 71A6051-001D	M400ML5AC4M & M400ML5AC4M-500K	–	M040081C211
47739	M400/MULTI-KIT	120/208/ 240/277	CWA	458	71A6091 & 71A6071-001D	M400MLTAC4M & M400MLTAC4M-500K	V90D6413K	M040071C211
47065	M400/480-KIT	480	CWA	458	71A6041 & 71A6041-001D	M400480AC4M	–	M040011C211
1000W Metal Halide Lamp – ANSI Code M47								
47427	M1000/SUPER5-KIT	120/208/ 240/277/480	CWA	1080	71A6552 ⁸ & 71A6552-001 ⁶	M1000ML5AC5M & M1000ML5AC5M-500K	V90AM6514K	–
47744	M1000/MULTI-KIT	120/208/ 240/277	CWA	1080	71A6592 ⁸ & 71A6572-001 ⁶	M1000MLTAC5M & M1000MLTAC5M-500K	V90D6514K	M0100071C212
47655	M1000/480-KIT	480	CWA	1080	71A6542 ⁸ & 71A6542-001 ⁶	M1000480AC5M & M1000480AC5M-500K	–	M0100011C212
1500W Metal Halide Lamp – ANSI Code M48								
46808	M1500/MULTI-KIT	120/208/ 240/277	CWA	1605	71A6792 ⁸ & 71A6772-001 ⁶	M1500MLTAC5M & M1500MLTAC5M-500K	V90D6612K	M0150071C212
47095	M1500/480-KIT	480	CWA	1605	71A6742 ⁸ & 71A6742-001 ⁶	M1500480AC5M & M1500480AC5M-500K	–	M0150011C212
METALARC® METAL HALIDE PULSE START CORE & COIL BALLAST KITS								
50W Metal Halide Pulse Start Lamp – ANSI Code M110								
47007	M50/MULTI-KIT	120/208/ 240/277	HX-HPF	67	–	M50MLTLC3M & M50MLTLC3M-500K	V90D5731K	–
70W Metal Halide Pulse Start Lamp – ANSI Code M98								
47013	M70/MULTI-KIT	120/208/ 240/277	HX-HPF	95	71A5292 & 71A5292-001D	M70MLTLC3M & M70MLTLC3M-500K	V90D5832K	–
100W Metal Halide Pulse Start Lamp – ANSI Code M90								
47019	M100/MULTI-KIT	120/208/ 240/277	HX-HPF	130	71A5390 & 71A5390-001D	M100MLTLC3M & M100MLTLC3M-500K	V90D5932K	M010071C511
150W Metal Halide Pulse Start Lamp – ANSI Code M102								
47682	M150/MULTI-PS-KIT	120/208/ 240/277	HX-HPF	185	71A5492 & 71A5492-001D	M150MLTLC3M & M150MLTLC3M-500K	V90D7130K	–

**DISCLAIMER: This cross reference guide is intended as an aid for identifying comparable products as a convenience to the user. OSRAM SYLVANIA does not warrant or guarantee the accuracy or correctness of the content. Case sizes, wiring diagrams and performance specifications may vary, please refer to manufacturers specifications. Please refer to the OSRAM SYLVANIA catalog for verification of product specifications appropriate for the application. Information in this cross reference is subject to change at any time without prior notice. Please contact 1-800-LIGHTBULB or www.sylvania.com for additional information.*

Footnotes on page 218

MAGNETIC HID

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METALARC® METAL HALIDE PULSE START F-CAN HID BALLASTS

320W Metal Halide Pulse Start Lamp – ANSI Code M132 or M154

47753	M320-PS/120/277/F-CAN	120/277	CWA	375	72C5882-NP & 72C5882-NP-001	P320277AFXM	–	–
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METALARC® METAL HALIDE LAMP & BALLAST KITS

Lamp & Ballast Kits include SYLVANIA METALARC® Metal Halide lamp

64781	M400/U LAMP/SUPER5 BALLAST KIT		120/208/ 240/277/480		CWA	458		M59/S
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LUMALUX® HIGH PRESSURE SODIUM LAMP & BALLAST KITS

Lamp & Ballast Kits include SYLVANIA LUMALUX® High Pressure Sodium lamp

67623	LU400/ECO LAMP/SUPER5 BALLAST KIT		120/208/ 240/277/480		CWA	464		S51
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REPLACEMENT IGNITORS FOR OSRAM HID BALLASTS¹¹:

48153	Ignitor/MH/PS/35-150 SD			formerly	47996			Ignitor/MH/PS/50-150
48154	Ignitor/MH/PS/175-400 SD			formerly	47997			Ignitor/MH/PS/175-450
48155	Ignitor/MH/PS/750 SD			formerly	47998			Ignitor/MH/PS/750
47843	Ignitor/HPS/50-150							
47844	Ignitor/HPS/200-400							

REPLACEMENT CAPACITORS FOR OSRAM HID BALLASTS:

47987	CAP10MFD400VAC			formerly	47952			CAP 10Mfd 400VAC
47895	CAP15MFD400VAC			formerly	47954			CAP 15Mfd 400VAC
47982	CAP24MFD480VAC			formerly	47912			CAP 24Mfd 480VAC
47988	CAP26MFD540VAC			formerly	47920			CAP 26Mfd 525VAC
47989	CAP33MFD250VAC							
47986	CAP55MFD240VAC			formerly	47942			CAP 55Mfd 300VAC

FOOTNOTES

* Formerly MagneTek Lighting

⁴ NEAREST EQUIVALENT – Performance specifications may vary, please refer to manufacturers specifications.

⁵ R-INT = Reactor with Integral Ignitor.

⁶ OSRAM SYLVANIA'S HID Ballast is UL Class H Rated and can be used with the corresponding UL Rated fixtures only. The ADVANCE Ballast listed is Dual Rated UL Class H and N.

⁷ Ballast Voltage may vary. Always check for required lamp and voltage.

⁸ This product line guide is intended as an aid for identifying comparable products for the lamp types, ANSI Codes and Voltage listed as a convenience to the user. OSRAM SYLVANIA does not warrant or guarantee the accuracy or correctness of the content. Case sizes, wiring diagrams and performance specifications may vary, please refer to manufacturers specifications. Please refer to the OSRAM SYLVANIA catalog for verification of product specifications appropriate for the application.

⁹ Replacement Kit is indicated by a K at the end of the catalog number.

¹⁰ A 360W Metal Halide lamp ANSI Code M59 operated on this ballast will result in approximately a 10% reduction in Input Power (Watts).

¹¹ Only use with the corresponding SYLVANIA HID Ballasts. Please refer to OSRAM SYLVANIA catalog for verification of product specifications appropriate for the application.

HID Core & Coil Ballast Kits include ignitor where applicable, capacitor where applicable, mounting bracket, hardware and installation instructions.

More complete product information is available in the OSRAM Magnetic Ballast Catalog or at www.sylvania.com.

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