

SYLVANIA HID SYSTEM LIMITED WARRANTY

Combination Lamp and Ballast System Limited Warranty

OSRAM SYLVANIA Products Inc. ("OSPI") warrants SYLVANIA lamps installed on SYLVANIA magnetic ballasts to be free from defects in material and workmanship and to operate from the date of installation (or 3 months from date of manufacture if installation date is not known or available) for the lamp and ballast warranty

periods and subject to the Terms and Conditions specified below. If lamps fail to operate for the warranty period, OSPI will provide a free replacement lamp (no labor allowance). If a SYLVANIA magnetic ballast fails to operate within the warranty period, OSPI will provide a free replacement ballast (no labor allowance).

System	Avg. Rated Lamp Life*	Lamp Warranty Period	Ballast Warranty Period
METALARC®	7,000-12,000 hrs	6 months	24 months
METALARC®	15,000-20,000 hrs	12 months	24 months
LUMALUX®	24,000 hrs	12 months	24 months
LUMALUX®	30,000 hrs	24 months	24 months

TERMS AND CONDITIONS

SYLVANIA lamps and SYLVANIA ballasts must be installed together as a system and be installed and operated under suitable environmental conditions and in accordance with the latest National Electrical Code, Underwriters Laboratory Bulletins, and ANSI Specifications. This warranty will not apply in the event of conditions demonstrating abnormal use or stress, such as operating temperatures in excess of maximum rated temperatures, under/over voltage conditions, excessive switching cycles or operating hours, dirty or cracked sockets, or improper lamp or ballast installation. Replacement of SYLVANIA lamps with lamps of other manufacturers will void the lamp portion of this warranty. Replacement of the SYLVANIA ballast with any other ballast will void the entire warranty.

FURTHER CONDITIONS

1. Warranty periods based on a minimum 4,000 hours/year to a maximum 6,000 hours/year operation (minimum 10hr/start for lamp).
2. The lighting system must operate the lamp within current ANSI Specifications.
3. OSRAM SYLVANIA reserves the right to examine all failed lamps to verify cause of failure and shall be the sole judge as to whether the lamps are in fact defective.
4. System warranty valid only for installations of 50 or more lamps and ballasts. Contact OSRAM SYLVANIA for further details.
5. Check with OSRAM SYLVANIA when using occupancy sensors or dimming, as some situations may void the warranty.

WARRANTY ACTIVATION / SERVICE CLAIMS

The HID System warranty is automatically activated after OSPI receives a completed HID System warranty registration form within 30 days after installation. An acknowledgment will be sent for each registration along with a reference number for future correspondence. Service claims can be made by contacting 1-800-LIGHTBULB to initiate the process for problem resolution.

LABOR OPTIONS

No labor allowance is made for lamp or ballast replacement.

RETURN OF DEFECTIVE PRODUCT

After contacting OSRAM SYLVANIA and receiving a RETURN MATERIAL AUTHORIZATION NUMBER, the user shall promptly return the product at the user's expense to OSRAM SYLVANIA after receiving instructions as to if, when and where to ship product. Failure to follow this procedure shall void this warranty.

REPLACEMENT OF PRODUCT, LIMITS OF LIABILITY

The foregoing shall constitute the sole and exclusive remedy of the purchaser and the sole and exclusive liability of OSPI. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. OSPI will not, under any circumstance, whether as a result of breach of contract or warranty, tort, or otherwise, be liable for any incidental, special or consequential damages, including lost profits or revenues or any other costs or damages.

OSPI reserves the right to examine all failed lamps and/or ballasts and reserves the right to be the sole judge as to whether any lamps and/or ballasts are defective and covered under this warranty.

*Subject to and limited by the lamp warranty period limitations set forth above.

QUESTIONS?

Please call customer service at 1-800-654-0089 or contact your local OSRAM SYLVANIA representative.

HID043

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QUICK 60+[®] Limited Warranty

Subject to change without notice.

The Heart of a Comprehensive System Service Program
Compare lighting system warranties – you'll see that our QUICK 60+ warranty offers better coverage, more service options and, more important, peace of mind.

Combination Lamp and Ballast System Limited Warranty

OSRAM SYLVANIA Products Inc. ("OSPI") warrants SYLVANIA lamps installed on QUICKTRONIC[®] ballasts to be free from defects in material and workmanship and to operate from the date of installation (or date of manufacture if installation date is not known or available) for the time periods and subject to the Terms and Conditions

specified below. If lamps fail to operate for the warranty period, OSPI will provide a free replacement lamp (but no labor allowance). If a QUICKTRONIC ballast fails to operate within the warranty period, OSPI will provide a free replacement ballast and labor allowance in accordance with the "Labor Options" set forth below.

System ^{3,4}	Lamp	Ballast Warranty Period ^{5,6}	Lamp Warranty Period [*]
QUICKTRONIC [®] T8 ¹	OCTRON XPS [®] , XP & XP/SS ^{2,3}	60 mos.	36 mos.
QUICKTRONIC T8 ¹	OCTRON family	60 mos.	30 mos.
QUICKTRONIC T8 High Ambient ^{1,9}	OCTRON XP, XP/SS ^{2,3}	36/60mos.@<90°/70°C	36 mos.
QUICKTRONIC 59	OCTRON F096/XP, F096/XP/SS	60 mos.	30 mos.
QUICKTRONIC 59	OCTRON F096	60 mos.	24 mos.
QUICKTRONIC 86/T8HO High Ambient ¹	OCTRON F096HO	36/60mos.@<90°/70°C	30 mos.
QUICKTRONIC 96IS/96HO & 40T12	N/A	60 mos.	N/A
QUICKTRONIC T5 ¹ , T5/HO ¹	PENTRON [®] Family	60 mos.	24 mos.
QUICKTRONIC 54T5HO ¹ High Ambient	PENTRON [®] FP54/HO, FP54/C/HO	36/60 mos.@<90°/70°C	36 mos.
QUICKTRONIC 54T5/HO ¹	PENTRON [®] FP54/HO, FP54/C/HO	60 mos.	36 mos.
QUICKTRONIC 54PHO & DL40	DULUX [®] FT55DL, FT40DL & FT40/28SS	60 mos.	12 mos.
QUICKTRONIC CF ¹	DULUX [®] D/E, T/E, T/E/IN, T/E/C	60 mos.	12 mos.
QUICKTRONIC FM	FM	24 mos.	6 mos.
QUICKTRONIC ICE ^{1,5}	ICETRON [®]	60 mos.	60 mos.
QUICKTRONIC MH ⁷	METALARC [®] Family ⁶ (7K-12K hrs. avg. rated life)	36/60 mos.	6 mos.
QUICKTRONIC MH ⁷	METALARC [®] Family ⁶ (15K-20K hrs. avg. rated life)	36/60 mos.	12 mos.

* NOTE: Fluorescent lamp warranty periods are based on a 3 hour minimum cycle, unless otherwise noted, with a maximum of 4000 hours per year. Other operating cycles may affect warranty period. Lamp warranty can renew when installation is group relamped, contact OSRAM SYLVANIA for details.

1 Occupancy sensor application, 15 minute/start minimum, allowed with QUICKTRONIC PROStart[®] and with QUICKTRONIC ICE ballasts.

2 OCTRON SUPERSAVER[®] bipin lamps operate on Instant Start & PROStart (non-dimming) models only.

3 QUICKTRONIC, Professional Series and High Efficiency Series including all IS, PS & DIM models where applicable.

4 Labor options must be pre-approved by OSPI. Any labor option or cost that is not pre-approved will not be eligible for reimbursement.

5 ICETRON Lamp Warranty Period allows up to 8760 hrs per year (continuous operation).

6 Contact OSRAM SYLVANIA for detailed specifications of METALARC[®] lamps.

7 QUICKTRONIC MH ballasts warranty is 36 or 60 months, depending on maximum case temperature. Refer to product specifications for details. Electronic HID system warranty period is based on a minimum cycle of 10hr/start up to a maximum operation of 6,000 hours/year.

8 Maximum Case Temperature <70°C, for normal environmental operating conditions (40°C max. ambient) unless noted.

Refer to product specifications for details.

9 QUICKTRONIC T8 High Ambient (HT) Series

TERMS AND CONDITIONS

SYLVANIA lamps and QUICKTRONIC ballasts must be installed together as a system and be installed and operated under suitable environmental conditions and in accordance with the latest National Electrical Code, Underwriters Laboratory Bulletins, and ANSI Specifications. **This warranty will not apply in the event of conditions demonstrating abnormal use or stress, such as operating temperatures in excess of maximum rated temperatures, under/over voltage conditions, excessive switching cycles (see above Note #1) or operating hours, dirty or cracked sockets, or improper lamp or ballast installation.** Replacement of SYLVANIA lamps with lamps of other manufacturers will void the lamp portion of this warranty. Replacement of the QUICKTRONIC ballast with any other ballast will void the entire warranty.

WARRANTY ACTIVATION / SERVICE CLAIMS

The QUICK 60+ warranty is automatically activated after OSPI receives a completed QUICK 60+ warranty registration form within 30 days after installation. An acknowledgment will be sent for each registration along with a reference number for future correspondence. Service claims can be made by contacting 1-800-LIGHTBULB to initiate the process for problem resolution.

LABOR OPTIONS (Ballast and ICETRON lamps only)

No labor allowance is made for any lamp replacement except ICETRON, during the warranty period. OSPI provides for several labor options for service under the QUICK 60+ warranty program.

1. OSPI will provide full service coverage through SYLVANIA LIGHTING SERVICES at no cost to the user of the ballast, or

2. OSPI will contact a service provider and coordinate replacement at no cost to the user of the ballast, or

3. OSPI will reimburse the purchaser reasonable, customary and necessary labor charges required to install the ballast replacement.

4. Labor options must be pre-approved by OSPI. Any labor option or cost that is not pre-approved will not be eligible for reimbursement.

RETURN OF DEFECTIVE PRODUCT

After contacting OSRAM SYLVANIA and receiving a return AUTHORIZATION NUMBER, the user shall promptly return the product at the user's expense to OSRAM SYLVANIA after receiving instructions as to if, when and where to ship product. Failure to follow this procedure shall void this warranty.

REPLACEMENT OF PRODUCT, LIMITS OF LIABILITY

The foregoing shall constitute the sole and exclusive remedy of the purchaser and the sole and exclusive liability of OSPI. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. OSPI will not, under any circumstance, be liable for any incidental, special or consequential damages, including lost profits or revenues or any other costs or damages.

OSPI reserves the right to examine all failed lamps and/or ballasts and reserves the right to be the sole judge as to whether any lamps and/or ballasts are defective and covered under this warranty.

QUESTIONS? Please call customer service at 1-800-654-0089 or contact your local OSRAM SYLVANIA representative.

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Photocopy the form below and use it to register any installation featuring QUICKTRONIC[®] ballast systems. Also available, is our on-line version which you may find by visiting our web site at www.sylvania.com. The warranty coverage begins from the date of installation, but you must register an installation in order to receive warranty service.

Installation Information

Location Name: _____

Address: _____ City: _____ State: _____ Zip: _____

Send Registration To: _____

Address: _____ City: _____ State: _____ Zip: _____

Contact Name: _____ Phone: _____ Email: _____

Installation Date: _____

Operating Hours: _____ hours/day _____ days/year

Occupancy Sensors: Yes No

Comments _____

Type & Quantities (Description and NAED Item # as Shown on label (or packaging))

Ballast Description	NAED Item #	Quantity	Lamp Description	NAED Item #	Quantity	Comments
<i>e.g. QTP2X32T8/UNV ISN-TC</i>	<i>49943</i>	<i>800</i>	<i>F032/830/XP/ECO</i>	<i>21759</i>	<i>1600</i>	

Please Complete and Return To:
OSRAM SYLVANIA
 Attn: Warranty Dept.
 18725 N. Union Street, Westfield, IN 46074
 Tel #: 800/654-0089 Email: warranty.service@sylvania.com

Or Complete and Fax To:
OSRAM SYLVANIA
Fax #: 866/632-9674

OSRAM SYLVANIA National Customer Service and Sales Center
www.sylvania.com



WARRANTIES

Magnetic Ballast Limited Warranty

OSRAM SYLVANIA Products Inc. ("OS") warrants SYLVANIA fluorescent magnetic ballasts and high intensity discharge (HID) magnetic ballasts to be free from defects in material and workmanship and to

operate from the date of manufacture for the time periods specified below.

Magnetic Ballast Type	Ballast Warranty Period*
Fluorescent Magnetic	36 months
High Intensity Discharge (HID) Magnetic	24 months
Magnetic Sign	24 months

*Note - Warranty periods are based on typical 4000 hr/12 months operation; longer operating cycles may limit warranty period. Contact OS for details.

TERMS AND CONDITIONS

SYLVANIA magnetic fluorescent and HID ballasts must be installed and operated under suitable environmental conditions and in accordance with the latest National Electrical Code, Underwriters Laboratory Bulletins, ANSI Specifications, CSA standards, and in accordance with OS installation instructions, where applicable. This warranty will not apply if conditions demonstrate abnormal use or stress, such as operating temperatures in excess of maximum rated temperatures, under/over voltage conditions, excessive switching cycles or operating hours, dirty or cracked sockets, or improper lamp or ballast installation.

WARRANTY ACTIVATION / SERVICE CLAIMS

Warranty is activated after installation. Service claims can be made by contacting 1-800-654-0089 (press "2") to initiate the process for problem resolution.

REPLACEMENT OF PRODUCT

OS shall correct any defects by replacing or repairing, at OS's option, any ballast determined to be defective under the terms of this warranty. Note: Labor costs are not reimbursed by OS.

RETURN OF DEFECTIVE BALLAST

After contacting OS and receiving a return AUTHORIZATION NUMBER, the purchaser may be requested to promptly return the ballast at the purchaser's expense to OS after receiving instructions as to if, when and where to ship the ballast. Failure to follow this procedure shall void this warranty.

LIMITS OF LIABILITY

The foregoing shall constitute the sole and exclusive remedy of the purchaser and the sole and exclusive liability of OS. NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. OS will not, under any circumstance, whether as a result of breach of contract or warranty, tort, or otherwise, be liable for any costs or damages, including lost profits or revenues, incidental, special or consequential damages.

OS reserves the right to examine all failed ballasts and reserves the right to be the sole judge as to whether any ballasts are defective and covered under this warranty. This warranty does not cover lamps operated by the ballast.

QUESTIONS?

Please call customer service at 1-800-654-0089 contact your local OSRAM SYLVANIA representative.

LED SYSTEM WARRANTY

Limited Warranty

OSRAM SYLVANIA Products, Inc. (OSI) is pleased to provide the following warranty for the periods shown below. This warranty covers OSI's LED Modules and Optotronic® Power supplies or controls when installed as a system.

OSI LED System Limited Warranty

OSI warrants each OSI LED Module or Optotronic, Power supply or control to be free from defects in materials and workmanship, and to operate from the date of installation (or date of manufacturer if installation date is not known or available, or verifiable) for the time periods and subject to the Terms and Conditions

specified below. If an OSI LED module or an Optotronic, Power supply or control fails to operate for the specified warranty period, OSI will provide a free replacement component in accordance with the Terms and Conditions set forth below (labor not included).

OSRAM LED SYSTEMS FOR LIGHTING WARRANTY

System ⁴	LED Module Family	Power Supply and Control Warranty Period	LED Module Warranty Period
Optotronic, OT and OSRAM LED Lamp Modules, Power Supply or Controls	BACKlight, LINEARlight, LINEARlight Flex, (Colormix), EFFECTlight, COINlight, MARKERlight	60 months	60 Months

TERMS AND CONDITIONS

This warranty only applies when OSI's OSRAM LED Lamp Module is properly wired and installed; is operated on a suitable power supply within the electrical values recommended by OSI; used in lighting equipment designed and approved for the application and in environmental conditions (temperature, humidity) within the normal specified operating range of the system. This warranty does not apply to any abnormal use or use in violation of any applicable standard, code or instructions for use in installations including those contained in the latest National Electrical Code (NEC), the Standards for Safety of Underwriters Laboratory, Inc. (UL), Standards for the American National Standards Institute (ANSI) or, in Canada, the Canadian Standards Association (CSA). This warranty will not apply in the event of conditions demonstrating abnormal use or stress, including under/over voltage/current conditions, excessive switching cycles or operating hours or outside the following recommended operating conditions:

- Warranty Period is based on typical 8,760 hr./yr. operation on a continuous burning cycle of 24 hours.
- Mean operating temperature for LED Module: 25°C
- Maximum operating temperature for LED Module: 65°C
- Operate at rated DC Voltage
- Mean ambient operating temperature for Optotronic, Power supplies and controls is 40°C

Replacement of OSI LED Module components with LED components of other manufacturers will void the entire warranty. Inappropriate use and selection of power supply will void the entire warranty.

WARRANTY SERVICE CLAIMS

Warranty claims can be serviced by calling OSI's National Customer Service & Sales Center:

1-800-654-0089

Fax: 866-632-9674

Email: warranty.service@sylvania.com

If you are unsure whether a situation exists that is covered by this warranty, please contact OSI's National Customer Service & Sales Center for assistance.

RETURN OF DEFECTIVE PRODUCT

After contacting OSI, the purchaser/user shall promptly return the product after receiving instructions regarding if, when and where to ship product. Failure to follow this procedure shall void this warranty.

REPLACEMENT OF PRODUCT, LIMITS OF LIABILITY

The foregoing shall constitute the exclusive remedy of the purchaser and the sole liability of OSI for the OSI LED Lamp Module component and Optotronic, power supply or controls. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. In no event shall OSI be liable for any other costs or damages, including lost profits or revenues, incidental, special or consequential damages.

OSI reserves the right to examine all failed OSI Module LED and Optotronic, power supply, controls and components to determine the cause of failure and patterns of usage and reserves the right to be the sole judge as to whether any such controls or components are defective and covered under this warranty.

QUESTIONS? Please call customer service at 1-800-654-0089 or contact your local OSRAM SYLVANIA representative.

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LIMITED PRODUCT WARRANTY HBO® SEMICONDUCTOR LAMPS

OSRAM SYLVANIA INC. (OSI) warrants that its HBO OSRAM mercury short arc lamp (HBO Lamp) for microlithography will be in conformity with OSI published specifications and free from defects in material and workmanship. In the event a non conformity or defect causes a catastrophic (non-passive) failure which results in damage to customer's Stepper machine during the average rated life of the HBO Lamp, customer's sole and exclusive remedy will be reimbursement for actual direct expenses incurred by the customer for parts, materials and outside labor for the repair of the damaged Stepper, up to a maximum of \$1.5 million per occurrence. As a precondition of such reimbursement, customer must notify OSI within 10 days of the catastrophic failure; make available the HBO Lamp for testing; allow, if requested, the inspection of the damaged Stepper machine; and provide such other documentation or information as OSI may reasonably require to review and process customer's claim, including an itemized proof of loss with supporting documentation and invoices. This limited warranty shall be void if a catastrophic lamp failure results from accident, abuse, misuse, misapplication or occurs during operation of the HBO Lamp beyond its average rated life or during operation of a Stepper machine beyond its operating specifications.

EXCEPT AS EXPRESSLY SET FORTH HEREIN, THERE ARE NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE HBO LAMP.

OSI'S SOLE LIABILITY TO CUSTOMER, AS A RESULT OF THE SALE OR USE OF THE HBO LAMP, IS LIMITED TO THE REIMBURSEMENT REMEDY DETAILED ABOVE. IN NO EVENT WILL OSI BE LIABLE TO THE CUSTOMER, OR ITS CUSTOMERS, AFFILIATES OR DISTRIBUTORS FOR ANY LOST PROFITS, LOST SAVINGS, DOWN TIME, INABILITY TO USE CUSTOMER'S STEPPER MACHINE, OR FOR ANY OTHER CONSEQUENTIAL, DIRECT, INDIRECT, SPECIAL, EXEMPLARY AND PUNITIVE DAMAGES OR FOR ANY OTHER DAMAGES OF ANY KIND OR NATURE.

For purposes of notification to OSI, send all requested information, including invoices and other supporting documentation to:

Quality Department
OSRAM SYLVANIA
c/o Danzas AEI
8470 Gravista Street
El Paso, TX 79907
Phone: 915-775-2939
Fax: 915-775-2924

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