Product Line Guide

SYLVANIA QUICKTRONIC®
Electronic & Magnetic Ballasts
2007

the system solution ®

SEE THE WORLD IN A NEW LIGHT   **SYLVANIA**
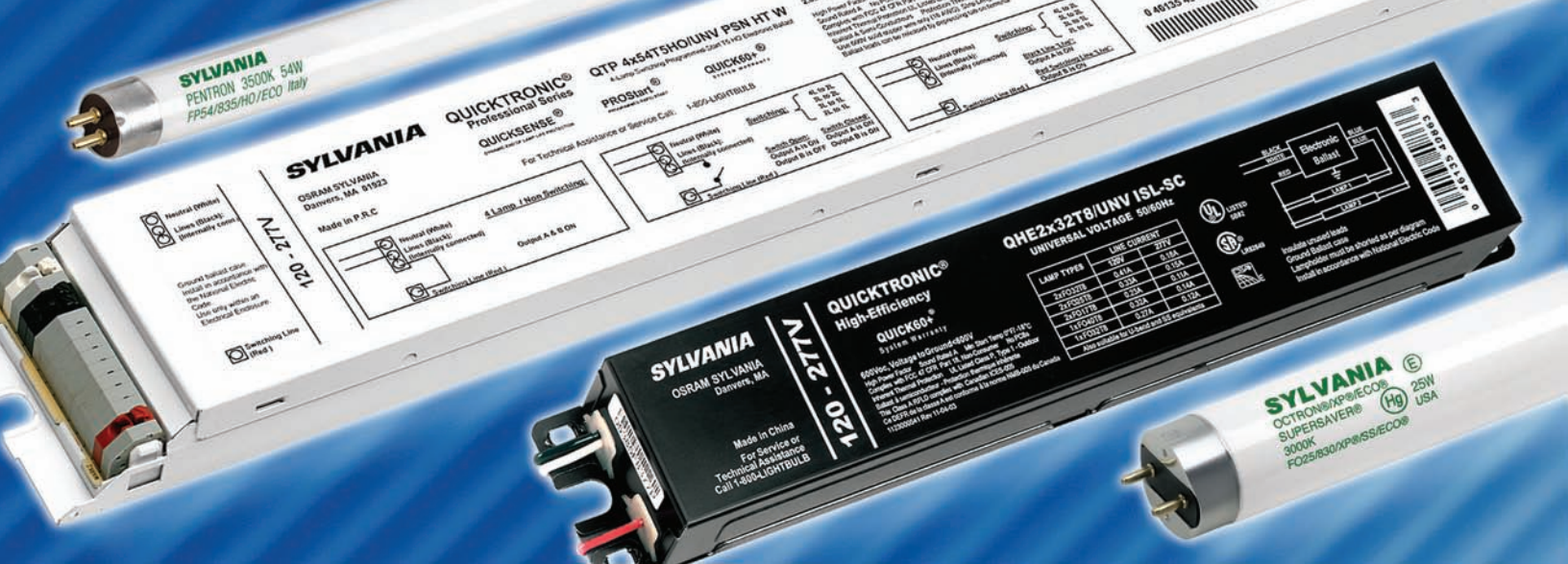
The System is the Solution

QUICKTRONIC® High Efficiency

High Efficiency Series products are energy-saving electronic T8 ballasts that save additional 6% (2 to 5 watts) over standard electronic ballasts. Features also include <10%THD and Universal Voltage. **SYLVANIA QUICKTRONIC® High Efficiency (QHE)** ballast operate OCTRON® T8 lamps with maximum efficacy and high lumen output, and provides 30-50% energy savings when compared to F40T12 magnetic systems.

- **High Efficiency Systems** over 90% efficient (maximize energy savings)

- **Over 100 LPW** (lumens/watt) with OCTRON® SUPERSAVER® lamps

- **Lowest power T8 Instant Start Systems**

- **Same Light, Less Power**

Universal Voltage (120-277V)

Universal voltage models operate from 120-277 Volts, eliminating "incorrect line voltage" wiring errors and reducing the number of models in inventory by half.

QUICKTRONIC®

T8 Instant Start <20% THD Products.

OSRAM SYLVANIA is the global leader in lighting systems. The most important trend in lighting technology is the move toward systems … we started this trend with *the system solution®*, a family of optimally balanced energy saving lamps and electronic ballast combinations.

OSRAM SYLVANIA has the competitive advantage with years of experience in designing, developing and supporting integrated systems — both in ballasts and lamps. Our global network of design and manufacturing brings ballast and lamp knowledge together to produce innovative and cost-effective energy saving systems.

- Committed to providing energy efficient ballasts & lamps
- Our innovative system solutions exceed customer expectations
- New energy saving, higher efficiency, lower power systems
- These systems are covered by our **QUICK 60+®** warranty, the first and most comprehensive system warranty in the industry

QUICKTRONIC® Professional

Professional Series products incorporate one or more value added features such as <10%THD, PROStart® Programmed Rapid Start, Universal Voltage and QUICKSENSE® end-of–lamp-life sensing.

Complete performance data is available in the SYLVANIA QUICKTRONIC® Electronic Ballast Technology & Specification Guide and at www.sylvania.com.

the system solution®

SYLVANIA

Table of Contents

QUICKTRONIC® Electronic Ballasts

QUICKTRONIC® Instant Start Ballasts for OCTRON® T8 Lamps

High Efficiency T8 Instant Start
Universal Voltage **Low BF** 6

High Efficiency T8 Instant Start
Universal Voltage **Normal BF** 6

High Efficiency T8 Instant Start
Universal Voltage **High BF** 6

Professional T8 Instant Start
Universal Voltage **Low BF** 7

Professional T8 Instant Start
Universal Voltage **Normal BF** 7

Professional T8 Instant Start
Universal Voltage **High BF** 7

High Efficiency T8 Instant Start Universal Voltage
UL Type CC - Lamp Striation Control/LSC Normal BF 9

QUICKTRONIC® PROStart® Ballasts for OCTRON® T8 Lamps

Xtreme Systems PROStart® PSX
Universal Voltage **Low BF** 8

SUPERSAVER® Xtreme Systems PROStart® PSX
Universal Voltage **Low BF** 8

PROStart® PSN
Universal Voltage **Normal BF** 8

High Efficiency T8 PROStart® Universal Voltage
90°C Case Temperature **High BF** 9

QUICKTRONIC® Ballasts for 8 Foot Lamps (T8)

High Efficiency Instant Start 96T8(59W)
Universal Voltage **Low/Normal/High BF** 9

Professional Instant Start 96T8(59W)
Universal Voltage **Normal BF** 9

High Efficiency PROStart® 86T8/HO
90°C Case Temperature Universal Voltage **Normal BF** 9

QUICKTRONIC® Ballasts for CANADIAN 347Volt T8 Systems

High Efficiency T8 Instant Start
<10% THD *347 V CANADA* **Low/Normal BF** 10

Standard (<20% THD) & *Professional* (<10% THD)
T8 and 8 foot T8 Instant Start
347 V CANADA **Low/Normal/High BF** 10

QUICKTRONIC® Ballasts for T5HO, T5, DL40, T4 Systems

Professional T5HO PROStart®
<10% THD Universal Voltage **Normal BF** 11

Professional T5 PROStart®
<10% THD Universal Voltage **Normal BF** 11

Professional T5HO PROStart®
<10% THD **High Ambient** Universal Voltage **Normal BF** 11

Professional T5HO PROStart®
<10% THD **High Ambient** *347-480Volt* **Normal BF** 11

High Efficiency Instant Start DL40 (40TT5)
<10% THD **Normal BF** 11

Professional PROStart® DL40(40WTT5)
<10% THD **Normal BF** 11

Professional PROStart® T4 Compact
<10% THD Universal Voltage Dual Entry **Normal BF** 12

CFL KITS PROStart® T4 Compact
<10% THD Universal Voltage 12

QUICKTRONIC® DIMMING & DALI Ballasts

POWERSENSE™ T8 DIMMING Universal Voltage
(2 wire and 0-10 volt controllable) 12

HELIOS™ T8 Dimming (277V)
(0-10Vdc controllable) High BF 12

POWERSENSE™ T5 Dimming Universal Voltage
(2 wire and 0-10Vdc controllable) 12

Professional HELIOS™ T5HO DIMMING
(0-10 volt controllable) 12

Professional T8 DALI Digital Dimming
(100-1% range) Universal Voltage 13

Professional T5HO DALI Digital Dimming
(100-1% range) Universal Voltage 13

Professional T5 DALI Digital Dimming
(100-1% range) Universal Voltage 13

Professional CF/DL40 DALI Digital Dimming
(100-3% range) Universal Voltage 13

QUICKTRONIC® Ballasts for 8 foot T12 lamps & F40T12 Systems

Instant Start 96T12 and 96T12HO Rapid Start
<20% THD **Normal BF** 13

Professional 40T12 Rapid Start
<10% THD **Normal BF** 14

QUICKTRONIC® Specialty Systems

ICETRON®
<15% THD Type 1 and Type 2 Universal Voltage 14

T2 FM Fluorescent Subminiature 14

Electronic Metal Halide (MH) 14

LED Systems Information 15

OPTOTRONIC® Electronic Constant Current
LED Power Supplies 15

OPTOTRONIC® Electronic LED
10.5 Volt Power Supplies 15

OPTOTRONIC® Electronic LED
24 Volt Power Supplies 15

OPTOTRONIC® Electronic
LED RGB Control Modules 15

OPTOTRONIC® Electronic
LED Dimming Module 15

The *Original* System Solution

The first matched T8 lamp and ballast systems for optimized performance and longer life.

QUICKTRONIC® High Efficiency Type CC & Lamp Striation Control (LSC) Models

Offer the same energy saving benefits as the High Efficiency QHE ballasts with two additional advantages:

- **Meets UL Type CC (Commercial Cabinet) Rating:** New microcontroller circuitry reduces arcing caused by loose or improper lamp pin to socket connections.

- **Lamp Striation Control, (LSC):** LSC circuitry minimizes lamp striations/strobing that can occur at lower temperatures and especially in T8 energy saving lamps. *(Please consult manufacturers for additional details.)*

Banded Packaging

New Banded Packaging has replaced the shrink-wrap product for added benefits:

- Distributor friendly; easy stocking for individual ballast sales
- Contractor friendly; easy handling; no tangled wires
- Reduce waste
- Easily removable bands

Removable Bands
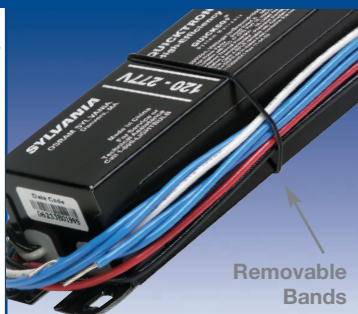
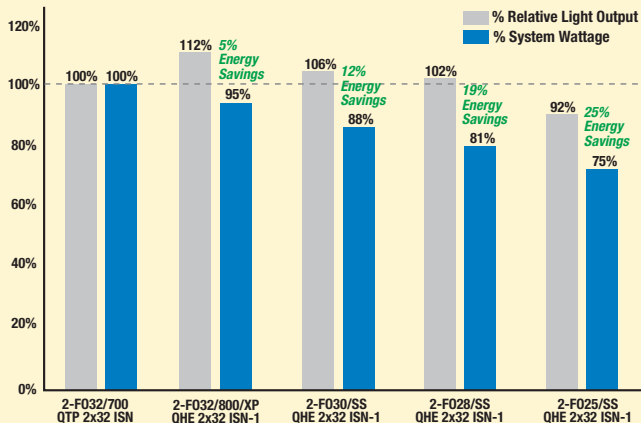### High Efficiency DL40/28W/SS Systems

New exclusive QHE energy saving electronic DL40/28W/IS SUPERSAVER® Systems:

- **SAME LIGHT, LESS POWER**
- Saves up to 14% over standard systems
- Universal Input Voltage (120-277V)
- QUICKSENSE® end of lamp life sensing
- Auto reset

Key System Features:

- Lowest power T8 Instant Start Systems
- Over 100 LPW (lumens/watt) with OCTRON® SUPERSAVER® lamps
- Provides 30-50% energy savings when compared to F40T12 Magnetic Systems
- QHE/SS Systems provide up to 25% savings compared to standard T8 systems
- Universal Input Voltage (120-277)

Chart: % Relative Light Output / % System Wattage

	2-FO32/700 QTP 2x32 ISN	2-FO32/800/XP QHE 2x32 ISN-1	2-FO30/SS QHE 2x32 ISN-1	2-FO28/SS QHE 2x32 ISN-1	2-FO25/SS QHE 2x32 ISN-1
% Relative Light Output	100%	112%	106%	102%	92%
% System Wattage	100%	95%	88%	81%	75%
Energy Savings		5%	12%	19%	25%

PROStart®

A programmed rapid starting method for fluorescent lamps that achieves up to 100,000 switching cycles which is ideal for use on **occupancy sensors.**
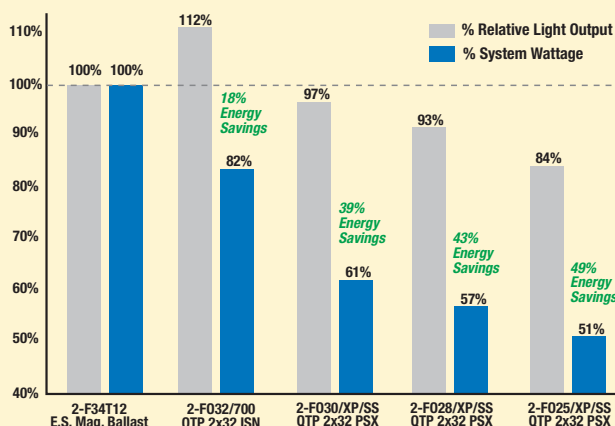
Recommended for use with Occupancy Sensors

- *Exclusive lamp warranty for occupancy sensor applications*

SUPERSAVER® Xtreme Systems

New High Efficiency QUICKTRONIC® PROStart® PSX Universal Voltage ballasts when combined with OCTRON® SUPERSAVER® energy saving high performance T8 lamps provide the lowest power PROStart® T8 systems available.

Key System Features:

- PROStart® Xtreme: For frequent switching, Longest lamp life
- Universal Input Voltage (120-277)
- Available in 0.71 ballast factor

Chart: % Relative Light Output / % System Wattage

	2-F34T12 E.S. Mag. Ballast	2-FO32/700 QTP 2x32 ISN	2-FO30/XP/SS QTP 2x32 PSX	2-FO28/XP/SS QTP 2x32 PSX	2-FO25/XP/SS QTP 2x32 PSX
% Relative Light Output	100%	112%	97%	93%	84%
% System Wattage	100%	82%	61%	57%	51%
Energy Savings		18%	39%	43%	49%

---

the system solution ®

SYLVANIA

MULTIWATT

New electronic ballasts that offer the versatility to operate multiple lamp types of various wattages. These multi-watt and multi-lamp models also can vary the number of lamps operated (i.e. 1 or 2 lamps), reducing the amount of ballast types required.

Dual Entry CFL

Dual entry, color coded connectors located on the side and bottom allow for increased mounting flexibility with one ballast and also increased ease of installation.

T5HO HELIOS™ Dimming

Electronic ballast with continuous 100-1% dimming range. They can be controlled by a wide variety of 0-10 volt DC control devices, including daylight sensors, building automation systems and compatible wall box dimming controllers.

DALI Digital Dimming

DALI digital control technology offers full-range continuous dimming, individual fixture control and feedback. The communications protocol is "DALI", an acronym for "Digital Addressable Lighting Interface". DALI is the worldwide standard for digital lighting control.

T8 & T5 POWERSENSE™ DIMMING

The industry's first product to operate from either Power-line Fluorescent controllers or low-voltage (0-10 Vdc) controls.

- Efficient - Highest Energy Efficiency dimming system
- Versatile - Controls flexibility & universal-voltage
- Intelligent - Senses faulty wiring and lamp failure

PENTRON® HO

New T5 high output fluorescent lamp systems provide almost twice the lumen output of standard lamps and allow new low profile fixtures to be designed.

QUICKSENSE®

The patented end-of-lamp-life sensing technology that helps prevent lamp overheating and established the benchmark for industry recommendations for T5 and smaller diameter lamps.

PLUS (High Ballast Factor) Systems

T8 lamps are run at higher lumen levels to allow fewer lamps or higher light levels.

ICETRON® Systems

Unique "Inductively Coupled Electrodeless Fluorescent Lamp Systems" that provide 100,000 hour rated lamp life for use in high maintenance cost areas.

Electronic Metal Halide Systems

QUICKTRONIC® MH features a state of the art electronic design to deliver performance levels unattainable with standard magnetic based lighting systems. Provides energy savings up to 50% compared to magnetic ballasts. *New high wattage systems coming soon!*

LED Power Supplies & DIMMING Modules

OSRAM OPTOTRONIC® power supplies are available in wide range of input voltages for worldwide use on single-phase AC power lines. These supplies are available with constant voltage or constant current outputs.

The OPTOTRONIC® OTDIM are dimming modules that can be used with LED power supply modules.

For Complete power supply and LED module details, refer to the OSRAM SYLVANIA LED Systems Specification Guide or www.sylvania.com.

The QUICK 60+® System Warranty

It's the simple way to make sure you're completely covered.

It starts with the ballast. When you purchase any QUICKTRONIC® ballast, it's warranted for a period of up to 60 months. Then, when you add SYLVANIA lamps, you benefit from additional coverage for those lamps; that's the PLUS. (For lamp replacements, OSRAM SYLVANIA will send lamps to your facility – no labor for lamps.)

With our lamps and ballasts, your installation will enjoy the highest levels of performance. If there is an issue, there's only one phone call to make; you won't get caught in the middle!

It's that simple.

For detailed warranty information, call 1-800-LIGHTBULB, (1-800-544-4828) and request warranty service or visit www.sylvania.com.

All data shown is for primary lamp types only. Complete performance data is available in the SYLVANIA QUICKTRONIC® Electronic Ballast Technology & Specification Guide and at www.sylvania.com

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® HIGH EFFICIENCY 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS											
LOW BALLAST FACTOR											
49837	QHE 1X32T8/UNV ISL-SC		0.21/0.09	F032/700	2800	1	0.78	2185	1965	25	87
	Banded Pack		0.21/0.09	F032/XP	3000	1	0.78	2340	2225	25	94
49861	10-Pack	120-277	0.20/0.09	F030/SS	2850	1	0.78	2220	2110	24	93
49862	Pallet Pack		**0.19/0.08**	**F028/SS**	**2725**	**1**	**0.78**	**2125**	**2020**	**22**	**97**
			0.17/0.08	F025/SS	2475	1	0.78	1930	1835	20	97
49838	QHE 2X32T8/UNV ISL-SC		0.41/0.18	F032/700	2800	2	0.78	4370	3930	48	91
	Banded Pack		0.41/0.18	F032/XP	3000	2	0.78	4680	4445	48	98
49863	10-Pack	120-277	0.38/0.16	F030/SS	2850	2	0.78	4445	4225	45	99
49864	Pallet Pack		**0.35/0.15**	**F028/SS**	**2725**	**2**	**0.78**	**4250**	**4040**	**42**	**101**
			0.32/0.14	F025/SS	2475	2	0.78	3860	3665	37	104
49839	QHE 3X32T8/UNV ISL-SC		0.61/0.27	F032/700	2800	3	0.78	6550	5895	71	92
	Banded Pack		0.61/0.27	F032/XP	3000	3	0.78	7020	6670	71	99
49865	10-Pack	120-277	0.58/0.25	F030/SS	2850	3	0.78	6670	6335	68	98
49866	Pallet Pack		**0.53/0.23**	**F028/SS**	**2725**	**3**	**0.78**	**6380**	**6060**	**63**	**101**
			0.48/0.21	F025/SS	2475	3	0.78	5790	5500	55	105
49840	QHE 4X32T8/UNV ISL-SC		0.80/0.35	F032/700	2800	4	0.78	8735	7860	95	92
	Banded Pack		0.80/0.35	F032/XP	3000	4	0.78	9360	8890	95	99
49867	10-Pack	120-277	0.75/0.32	F030/SS	2850	4	0.78	8890	8445	89	100
49868	Pallet Pack		**0.71/0.31**	**F028/SS**	**2725**	**4**	**0.78**	**8500**	**8075**	**84**	**101**
			0.62/0.27	F025/SS	2475	4	0.78	7720	7335	74	104
NORMAL BALLAST FACTOR											
49968	QHE 1X32T8/UNV ISN-SC		0.25/0.11	F032/700	2800	1	0.88	2465	2220	28	88
	Banded Pack		0.25/0.11	F032/XP	3000	1	0.88	2640	2510	28	94
49851	10-Pack	120-277	0.22/0.09	F030/SS	2850	1	0.88	2510	2385	26	97
49852	Pallet Pack		**0.21/0.09**	**F028/SS**	**2725**	**1**	**0.88**	**2400**	**2280**	**25**	**96**
			0.19/0.09	F025/SS	2475	1	0.88	2175	2065	22	99
49969	QHE 2X32T8/UNV ISN-SC		0.47/0.20	F032/700	2800	2	0.88	4925	4430	55	90
	Banded Pack		0.47/0.20	F032/XP	3000	2	0.88	5280	5015	55	96
49853	10-Pack	120-277	0.44/0.19	F030/SS	2850	2	0.88	5015	4765	52	96
49854	Pallet Pack		**0.40/0.18**	**F028/SS**	**2725**	**2**	**0.88**	**4800**	**4560**	**48**	**100**
			0.36/0.16	F025/SS	2475	2	0.88	4355	4135	43	101
49970	QHE 3X32T8/UNV ISN-SC		0.69/0.30	F032/700	2800	3	0.88	7390	6650	83/82	89/90
	Banded Pack		0.69/0.30	F032/XP	3000	3	0.88	7920	7525	83/82	95/97
49855	10-Pack	120-277	0.66/0.28	F030/SS	2850	3	0.88	7525	7150	78/77	96/98
49856	Pallet Pack		**0.61/0.26**	**F028/SS**	**2725**	**3**	**0.88**	**7195**	**6835**	**72**	**100**
			0.55/0.23	F025/SS	2475	3	0.88	6530	6205	65/64	101/102
49971	QHE 4X32T8/UNV ISN-SC		0.91/0.39	F032/700	2800	4	0.88	9855	8870	108/107	91/92
	Banded Pack		0.91/0.39	F032/XP	3000	4	0.88	10560	10030	108/107	98/99
49857	10-Pack	120-277	0.86/0.37	F030/SS	2850	4	0.88	10030	9530	102/101	98/99
49858	Pallet Pack		**0.80/0.35**	**F028/SS**	**2725**	**4**	**0.88**	**9590**	**9110**	**95**	**101**
			0.71/0.30	F025/SS	2475	4	0.88	8710	8275	85	102

Instant Start QHE ISL and ISN models above also operate these lamps: FB032, FB031, F025, FB024, F017, FB016, FB030/SS (30W), FB029/SS (29W) & FO40T8

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
HIGH BALLAST FACTOR											
49919	QHE 1X32T8/UNV ISH-SC		0.32/0.14	F032/700	2800	1	1.20	3360	3025	38	88
	Banded Pack		0.32/0.14	F032/XP	3000	1	1.20	3600	3420	38	95
49871	10-Pack	120-277	0.30/0.13	F030SS	2850	1	1.20	3420	3250	36	95
49872	Pallet Pack		**0.27/0.12**	**F028SS**	**2725**	**1**	**1.20**	**3270**	**3105**	**33**	**99**
			0.26/0.12	F025/SS	2475	1	1.20	2970	2820	30	99
49920	QHE 2X32T8/UNV ISH-SC		0.65/0.28	F032/700	2800	2	1.20	6720	6050	74/73	91/92
	Banded Pack		0.65/0.28	F032/XP	3000	2	1.20	7200	6840	74/73	97/99
49873	10-Pack	120-277	0.59/0.25	F030SS	2850	2	1.20	6840	6500	70/69	98/99
49874	Pallet Pack		**0.55/0.23**	**F028SS**	**2725**	**2**	**1.20**	**6540**	**6210**	**65/64**	**101/102**
			0.50/0.22	F025/SS	2475	2	1.20	5940	5640	58/57	102/104
49921	QHE 3X32T8/UNV ISH-SC		0.93/0.40	F032/700	2800	3	1.18	9910	8920	111/109	89/90
	Banded Pack		0.93/0.40	F032/XP	3000	3	1.18	10620	10090	111/109	96/97
49875	10-Pack	120-277	0.87/0.38	F030SS	2850	3	1.18	10090	9585	104/103	97/98
49876	Pallet Pack		**0.82/0.35**	**F028SS**	**2725**	**3**	**1.18**	**9650**	**9170**	**98/96**	**98/101**
			0.72/0.31	F025/SS	2475	3	1.18	8760	8320	87/86	101/102
49922	QHE 4X32T8/UNV ISH		1.21/0.52	F032/700	2800	4	1.15	12880	11590	144/141	89/91
	Banded Pack		1.21/0.52	F032/XP	3000	4	1.15	13800	13110	144/141	96/98
49877	10-Pack	120-277	1.13/0.49	F030SS	2850	4	1.15	13110	12455	135/133	97/99
49878	Pallet Pack		**1.06/0.46**	**F028SS**	**2725**	**4**	**1.15**	**12535**	**11910**	**127/124**	**99/101**
			0.94/0.41	F025/SS	2475	4	1.15	11385	10815	112/111	102/103

Instant Start QHE ISH models above also operate these lamps: FB032, FB031, FB030/SS (30W) & FB029/SS (29W)

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

1: Mean Lumens @ 8000 hours

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® *PROFESSIONAL* 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS											
LOW BALLAST FACTOR											
49832	QTP1x32T8/UNV ISL-SC		0.22/0.10	F032/700	2800	1	0.78	2185	1965	28/26	70/76
	Banded Pack		0.22/0.10	F032/XP	3000	1	0.78	2340	2220	28/26	84/90
49741	10-Pack	120-277	0.22/0.09	F030/SS	2850	1	0.78	2220	2110	26/24	86/93
49742	Pallet Pack		**0.21/0.08**	**F028/SS**	**2725**	**1**	**0.78**	**2125**	**2020**	**25/23**	**85/92**
			0.17/0.08	F025/SS	2475	1	0.78	1930	1835	22/20	88/97
49834	QTP2x32T8/UNV ISL-SC		0.44/0.19	F032/700	2800	2	0.78	4370	3930	51	86
	Banded Pack		0.44/0.19	F032/XP	3000	2	0.78	4680	4445	51	92
49743	10-Pack	120-277	0.41/0.18	F030/SS	2850	2	0.78	4445	4220	48	93
49744	Pallet Pack		**0.38/0.17**	**F028/SS**	**2725**	**2**	**0.78**	**4250**	**4040**	**45**	**94**
			0.34/0.15	F025/SS	2475	2	0.78	3860	3665	40	97
49835	QTP3x32T8/UNV ISL-SC		0.65/0.27	F032/700	2800	3	0.78	6550	5895	75	87
	Banded Pack		0.65/0.27	F032/XP	3000	3	0.78	7020	6670	75	94
49745	10-Pack	120-277	0.60/0.26	F030/SS	2850	3	0.78	6670	6335	71	94
49746	Pallet Pack		**0.57/0.25**	**F028/SS**	**2725**	**3**	**0.78**	**6380**	**6060**	**67**	**95**
			0.50/0.21	F025/SS	2475	3	0.78	5790	5500	59	98
49836	QTP4x32T8/UNV ISL-SC		0.80/0.35	F032/700	2800	4	0.78	8735	7860	98	89
	Banded Pack		0.80/0.35	F032/XP	3000	4	0.78	9360	8890	98	96
49747	10-Pack	120-277	0.78/0.34	F030/SS	2850	4	0.78	8890	8445	92	97
49748	Pallet Pack		**0.73/0.32**	**F028/SS**	**2725**	**4**	**0.78**	**8500**	**8075**	**86**	**99**
			0.63/0.28	F025/SS	2475	4	0.78	7720	7335	77	100
NORMAL BALLAST FACTOR											
49905	QTP1x32T8/UNV ISN-SC		0.26/0.11	F032/700	2800	1	0.88	2465	2220	30	82
	Banded Pack		0.26/0.11	F032/XP	3000	1	0.88	2640	2510	30	88
49941	10-Pack	120-277	0.25/0.11	F030/SS	2850	1	0.88	2510	2385	28	90
49942	Pallet Pack		**0.23/0.10**	**F028/SS**	**2725**	**1**	**0.88**	**2400**	**2280**	**26**	**91**
			0.20/0.09	F025/SS	2475	1	0.88	2180	2070	23	95
49906	QTP2x32T8/UNV ISN-SC		0.50/0.21	F032/700	2800	2	0.88	4930	4435	59	84
	Banded Pack		0.50/0.21	F032/XP	3000	2	0.88	5280	5015	59	89
49943	10-Pack	120-277	0.46/0.20	F030/SS	2850	2	0.88	5015	4765	55	91
49944	Pallet Pack		**0.43/0.19**	**F028/SS**	**2725**	**2**	**0.88**	**4800**	**4560**	**52**	**92**
			0.39/0.16	F025/SS	2475	2	0.88	4360	4140	46	95
49907	QTP3x32T8/UNV ISN-SC		0.75/0.32	F032/700	2800	3	0.88	7390	6650	86	86
	Banded Pack		0.75/0.32	F032/XP	3000	3	0.88	7920	7525	86	92
49945	10-Pack	120-277	0.69/0.30	F030/SS	2850	3	0.88	7520	7145	81	93
49946	Pallet Pack		**0.65/0.28**	**F028/SS**	**2725**	**3**	**0.88**	**7190**	**6830**	**76**	**95**
			0.58/0.25	F025/SS	2475	3	0.88	6530	6205	67	98
49908	QTP4x32T8/UNV ISN-SC		0.95/0.40	F032/700	2800	4	0.88	9855	8870	112	88
	Banded Pack		0.95/0.40	F032/XP	3000	4	0.88	10560	10030	112	94
49947	10-Pack	120-277	0.91/0.39	F030/SS	2850	4	0.88	10030	9530	105	96
49948	Pallet Pack		**0.85/0.37**	**F028/SS**	**2725**	**4**	**0.88**	**9590**	**9110**	**98**	**98**
			0.74/0.31	F025/SS	2475	4	0.88	8710	8275	88	99

Instant Start QTP ISL and ISN models above also operate these lamps: FB032, FB031, F025, FB024, F017, FB016, FB030/SS (30W), FB029/SS (29W) & F040T8

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
HIGH BALLAST FACTOR											
49829	QTP1x32T8/UNV ISH-SC		0.33/0.15	F032/700	2800	1	1.20	3360	3025	41	82
	Banded Pack		0.33/0.15	F032/XP	3000	1	1.20	3600	3420	41	88
49841	10-Pack	120-277	0.31/0.14	F030/SS	2850	1	1.20	3420	3250	39	89
49842	Pallet Pack		**0.29/0.13**	**F028/SS**	**2725**	**1**	**1.20**	**3270**	**3105**	**36**	**91**
			0.27/0.12	F025/SS	2475	1	1.20	2970	2820	32	93
49830	QTP2x32T8/UNV ISH-SC		0.65/0.28	F032/700	2800	2	1.20	6720	6050	78	86
	Banded Pack		0.65/0.28	F032/XP	3000	2	1.20	7200	6840	78	92
49843	10-Pack	120-277	0.61/0.26	F030/SS	2850	2	1.20	6840	6500	73	93
49844	Pallet Pack		**0.57/0.25**	**F028/SS**	**2725**	**2**	**1.20**	**6540**	**6210**	**69**	**95**
			0.51/0.22	F025/SS	2475	2	1.20	5940	5640	61	97
49831	QTP3x32T8/UNV ISH-SC		0.95/0.41	F032/700	2800	3	1.18	9910	8920	114/111	87/89
	Banded Pack		0.95/0.41	F032/XP	3000	3	1.18	10620	10090	114/111	93/96
49845	10-Pack	120-277	0.89/0.39	F030/SS	2850	3	1.18	10090	9585	107/104	94/97
49846	Pallet Pack		**0.84/0.36**	**F028/SS**	**2725**	**3**	**1.18**	**9650**	**9170**	**100/98**	**97/98**
			0.75/0.32	F025/SS	2475	3	1.18	8760	8320	89/88	98/99

Instant Start QTP ISH models above also operate these lamps: FB032, FB031, FB030/SS (30W) & FB029/SS (29W)

SPECIFICATIONS:

Information in this guide subject to change at anytime without prior notice.

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

1: Mean Lumens @ 8000 hours

Product Line Guide - Electronic Ballasts

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® HIGH EFFICIENCY SYSTEMS 32 T8 PROStart® PSX UNIVERSAL VOLTAGE SYSTEMS											
Xtreme SYSTEMS – LOW BALLAST FACTOR											
51224 / 51420	QTP 1x32T8/UNV PSX-TC, Banded Pack, 10-Pack	120-277	0.21/0.09	F032/700	2800	1	0.71	1990	1790	25	80
			0.21/0.09	F032/XPS	3100	1	0.71	2200	2090	25	88
51225 / 51425	QTP 2x32T8/UNV PSX-TC, Banded Pack, 10-Pack	120-277	0.40/0.17	F032/700	2800	2	0.71	3975	3580	47/46	85/86
			0.40/0.17	F032/XPS	3100	2	0.71	4400	4180	47/46	94/96
51226 / 51430	QTP 3x32T8/UNV PSX-SC, Banded Pack, 10-Pack	120-277	0.59/0.25	F032/700	2800	3	0.71	5965	5370	73/71	82/84
			0.59/0.25	F032/XPS	3100	3	0.71	6600	6270	73/71	90/93
51227 / 51435	QTP 4x32T8/UNV PSX-SC, Banded Pack, 10-Pack	120-277	0.78/0.33	F032/700	2800	4	0.71	7950	7155	93/91	85/87
			0.78/0.33	F032/XPS	3100	4	0.71	8800	8360	93/91	95/96
Xtreme SUPERSAVER® SYSTEMS – LOW BALLAST FACTOR											
51224 / 51420 / 51421	QTP 1x32T8/UNV PSX-TC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.21/0.09	F032/700	2800	1	0.71	1990	1790	25	80
			0.21/0.09	F030/SS	2850	1	0.71	2020	1920	24	84
			0.19/0.09	**F028/SS**	**2725**	**1**	**0.71**	**1935**	**1840**	**22**	**88**
			0.18/0.08	F025/SS	2475	1	0.71	1760	1670	20	88
51225 / 51425 / 51426	QTP 2x32T8/UNV PSX-TC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.37/0.16	F032/700	2800	2	0.71	3975	3580	47/46	85/86
			0.37/0.16	F030/SS	2850	2	0.71	4045	3840	44/43	92/94
			0.35/0.15	**F028/SS**	**2725**	**2**	**0.71**	**3870**	**3675**	**41/40**	**94/97**
			0.32/0.14	F025/SS	2475	2	0.71	3515	3340	37/36	95/98
51226 / 51430 / 51431	QTP 3x32T8/UNV PSX-SC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.58/0.24	F032/700	2800	3	0.71	5965	5370	73/71	82/84
			0.58/0.24	F030/SS	2850	3	0.71	6070	5765	69/67	88/91
			0.55/0.23	**F028/SS**	**2725**	**3**	**0.71**	**5805**	**5515**	**64/62**	**91/94**
			0.48/0.31	F025/SS	2475	3	0.71	5270	5010	57/56	93/94
51227 / 51435 / 51436	QTP 4x32T8/UNV PSX-SC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.74/0.31	F032/700	2800	4	0.71	7950	7155	93/91	85/87
			0.74/0.31	F030/SS	2850	4	0.71	8090	7685	88/86	92/94
			0.70/0.30	**F028/SS**	**2725**	**4**	**0.71**	**7740**	**7350**	**82/80**	**94/97**
			0.63/0.27	F025/SS	2475	4	0.71	7030	6680	75/74	94/95

PROStart® QTP PSX models above also operate these lamps: FB032, FB031, F025, FB024, F017, FB016, FB030/SS(30W) & FB029/SS(29W)

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® PROFESSIONAL 32 T8 PROStart® PSN UNIVERSAL VOLTAGE SYSTEMS											
NORMAL BALLAST FACTOR											
51399 / 51400 / 51401	QTP 1x32T8/UNV PSN-TC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.26/0.11	F032/700	2800	1	0.88	2465	2220	31/30	79/82
			0.26/0.11	F032/XP	3000	1	0.88	2640	2510	31/30	85/88
			0.24/0.10	F030/SS	2850	1	0.88	2510	2385	29/28	87/90
			0.23/0.09	**F028/SS**	**2725**	**1**	**0.88**	**2400**	**2280**	**27/26**	**89/92**
			0.20/0.09	F025/SS	2475	1	0.88	2175	2065	24/23	91/95
51402 / 51405 / 51406	QTP 2x32T8/UNV PSN-TC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.50/0.21	F032/700	2800	2	0.88	4930	4437	59/56	84/88
			0.50/0.21	F032/XP	3000	2	0.88	5280	5015	59/56	89/94
			0.47/0.20	F030/SS	2850	2	0.88	5015	4765	55/53	91/95
			0.45/0.19	**F028/SS**	**2725**	**2**	**0.88**	**4800**	**4560**	**52/49**	**92/98**
			0.39/0.17	F025/SS	2475	2	0.88	4355	4135	46/44	95/99
51403 / 51410 / 51411	QTP 3x32T8/UNV PSN-SC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.74/0.31	F032/700	2800	3	0.88	7390	6650	88/85	84/87
			0.74/0.31	F032/XP	3000	3	0.88	7920	7525	88/85	90/93
			0.70/0.29	F030/SS	2850	3	0.88	7525	7150	83/80	91/94
			0.65/0.27	**F028/SS**	**2725**	**3**	**0.88**	**7195**	**6835**	**77/75**	**93/96**
			0.58/0.25	F025/SS	2475	3	0.88	6530	6205	69/68	95/96
51404 / 51415 / 51416	QTP 4x32T8/UNV PSN-SC, Banded Pack, 10-Pack, Pallet Pack	120-277	0.99/0.41	F032/700	2800	4	0.88	9855	8870	118/113	83/87
			0.99/0.41	F032/XP	3000	4	0.88	10,560	10,030	118/113	90/94
			0.93/0.39	F030/SS	2850	4	0.88	10,030	9530	111/106	90/95
			0.88/0.36	**F028/SS**	**2725**	**4**	**0.88**	**9590**	**9110**	**104/99**	**92/97**
			0.77/0.32	F025/SS	2475	4	0.88	8710	8275	92/90	95/97

PROStart® QTP PSN models above also operate these lamps: FB032, FB031, F025, FB024, F017, FB016, FB030/SS (30W) & FB029/SS (29W)

PROStart®

A programmed rapid starting method for fluorescent lamps that achieves up to 100,000 switching cycles which is ideal for use on occupancy sensors.

• Exclusive lamp warranty for occupancy sensor applications.

Recommended for use with Occupancy Sensors

1: Mean Lumens @ 8000 hours

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® HIGH EFFICIENCY 32 T8 PROStart® UNIVERSAL VOLTAGE SYSTEMS											
HIGH BALLAST FACTOR (90°C Case Temperature – Parallel Operation)[1]											
49450 ✿	QHE2x32T8/UNV-PSH-HT		0.63/0.27	F032/700	2800	2	1.15	6440	5795	75/74	86/87
49459	Banded Pack		0.63/0.27	F032/XP	3000	2	1.15	6900	6555	75/74	92/93
	Pallet Pack	120-277	0.60/0.25	F030/SS	2830	2	1.15	6510	6185	70/69	93/94
			0.55/0.24	**F028/SS**	**2725**	**2**	**1.15**	**6270**	**5955**	**66/65**	**95/96**
			0.50/0.21	F025/SS	2475	2	1.15	5695	5410	59/58	96/98
49453 ✿	QHE3x32T8/UNV-PSH-HT		0.94/0.40	F032/700	2800	3	1.15	9660	8695	110/109	88/89
49460	Banded Pack		0.94/0.40	F032/XP	3000	3	1.15	10,350	9830	110/109	94/95
	Pallet Pack	120-277	0.88/0.38	F030/SS	2830	3	1.15	9765	9275	103/102	95/96
			0.82/0.35	**F028/SS**	**2725**	**3**	**1.15**	**9400**	**8930**	**96/95**	**98/99**
			0.73/0.31	F025/SS	2475	3	1.15	8540	8110	86/85	99/100
49455 ✿	QHE4x32T8/UNV-PSH-HT		1.24/0.53	F032/700	2800	4	1.15	12,880	11,590	146/144	88/89
49470	Banded Pack		1.24/0.53	F032/XP	3000	4	1.15	13,800	13,110	146/144	95/96
	Pallet Pack	120-277	1.16/0.50	F030/SS	2830	4	1.15	13,020	13,370	137/135	95/96
			1.09/0.46	**F028/SS**	**2725**	**4**	**1.15**	**12,535**	**11,910**	**128/126**	**98/99**
			0.97/0.41	F025/SS	2475	4	1.15	11,385	10,815	114/113	100/101
PROStart® QHE PSH models above also operate these lamps: FB032, FB031, FB030/SS (30W) & FB029/SS (29W)											
QUICKTRONIC® HIGH EFFICIENCY 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS											
NORMAL BALLAST FACTOR - UL Type CC - Lamp Striation Control/LSC[1]											
49381	QHE1x32T8/UNV-ISN-SC-1		0.25/0.11	F032/700	2800	1	0.87	2435	2190	28	87
49382	Banded Pack		0.25/0.11	F032/XP	3000	1	0.87	2610	2480	28	93
	Pallet Pack	120-277	0.23/0.09	F030/SS	2850	1	0.87	2480	2355	27/26	92/95
			0.21/0.09	**F028/SS**	**2725**	**1**	**0.87**	**2370**	**2250**	**25/24**	**95/99**
			0.20/0.90	F025/SS	2475	1	0.87	2155	2045	23/22	94/98
49383	QHE2x32T8/UNV-ISN-SC-1		0.47/0.20	F032/700	2800	2	0.87	4870	4385	55	89
49384	Banded Pack		0.47/0.20	F032/XP	3000	2	0.87	5220	4960	55	95
	Pallet Pack	120-277	0.44/0.19	F030/SS	2850	2	0.87	4960	4710	52	95
			0.40/0.18	**F028/SS**	**2725**	**2**	**0.87**	**4740**	**4500**	**48/47**	**99/101**
			0.37/0.16	F025/SS	2475	2	0.87	4305	4090	44/43	98/100
49385	QHE3x32T8/UNV-ISN-SC-1		0.68/0.30	F032/700	2800	3	0.87	7305	6940	82/81	89/90
49386	Banded Pack		0.68/0.30	F032/XP	3000	3	0.87	7830	7440	82/81	96/97
	Pallet Pack	120-277	0.65/0.28	F030/SS	2850	3	0.87	7440	7070	77/76	97/98
			0.61/0.26	**F028/SS**	**2725**	**3**	**0.87**	**7110**	**6755**	**72/71**	**99/100**
			0.55/0.23	F025/SS	2475	3	0.87	6460	6135	65/64	99/101
49387	QHE4x32T8/UNV-ISN-SC-1		0.92/0.39	F032/700	2800	4	0.87	9745	9255	109/107	89/91
49388	Banded Pack		0.92/0.39	F032/XP	3000	4	0.87	10,440	9920	109/107	96/98
	Pallet Pack	120-277	0.86/0.37	F030/SS	2850	4	0.87	9920	9425	102	97
			0.80/0.35	**F028/SS**	**2725**	**4**	**0.87**	**9485**	**9010**	**95/94**	**100/101**
			0.74/0.31	F025/SS	2475	4	0.87	8615	8185	87/86	99/100
Instant Start QHE ISN models above also operate these lamps: FB032, FB031, F025, FB024, F017, FB016, FB030/SS (30W), FB029/SS (29W) & F040T8											
QUICKTRONIC® HIGH EFFICIENCY 59 T8 (8 foot) INSTANT START UNIVERSAL VOLTAGE SYSTEMS											
LOW BALLAST FACTOR[2]											
50239*	QHE2x59T8/UNV-ISL-SC		0.80/0.34	F096T8/700 (59W)	5700	2	0.77	8780	7900	95/94	92/93
49869	10-Pack		0.80/0.34	F096T8/XP (59W)	6100	2	0.77	9380	8910	95/94	99/100
49870	Pallet Pack	120-277	**0.74/0.32**	**F096T8/XP/SS (55W)**	**5700**	**2**	**0.77**	**8780**	**8340**	**89/88**	**99/100**
NORMAL BALLAST FACTOR[2]											
50237*	QHE2x59T8/UNV-ISN-SC		0.92/0.40	F096T8/700 (59W)	5700	2	0.88	10,030	9025	109/107	92/94
49859	10-Pack		0.92/0.40	F096T8/XP (59W)	6100	2	0.88	10,735	10,200	109/107	98/100
49860	Pallet Pack	120-277	**0.84/0.36**	**F096T8/XP/SS (55W)**	**5700**	**2**	**0.88**	**10,030**	**9530**	**102/100**	**99/100**
HIGH BALLAST FACTOR[2]											
50238*	QHE2x59T8/UNV-ISH		1.20/0.52	F096T8/700 (59W)	5700	2	1.15	13,110	11,800	144/141	91/93
49879	10-Pack		1.20/0.52	F096T8/XP (59W)	6100	2	1.15	14,030	13,330	144/141	97/100
49880	Pallet Pack	120-277	**1.08/0.47**	**F096T8/XP/SS (55W)**	**5700**	**2**	**1.15**	**13,110**	**12,455**	**134/131**	**98/100**
QHE2x59T8-ISL-SC and QHE2x59T8-ISN-SC models also operate these lamps: F072T8 & F048T8											
QUICKTRONIC® PROFESSIONAL 59 T8 (8 foot) INSTANT START UNIVERSAL VOLTAGE SYSTEMS											
NORMAL BALLAST FACTOR[2]											
49590*	QTP 2x59T8/UNV ISN-SC		0.93/0.40	F096T8/700 (59W)	5700	2	0.88	10,030	9027	112/110	90/91
49598	10-Pack		0.93/0.40	F096T8/XP (59W)	6100	2	0.88	10,735	10,200	112/110	96/98
49599	Pallet Pack	120-277		**F096T8/XP/SS (55W)**	**5700**	**2**	**0.88**	**10,030**	**9530**	**104/102**	**96/98**
Instant Start QTP ISN models above also operate these lamps: F072T8 & F048T8											
QUICKTRONIC® HIGH EFFICIENCY 86 T8/HO (8 foot) PROStart® UNIVERSAL VOLTAGE SYSTEMS											
NORMAL BALLAST FACTOR (90°C Case Temperature – Parallel Operation)[2]											
50304 ✿*	QHE 2x86T8HO/UNV-PSN-HT-SCL		❏	F096T8/700/HO	8000	2	❏	❏	❏	❏	❏
50305	Pallet Pack	120-277	❏	F096T8/800/HO	8200	2	❏	❏	❏	❏	❏
PROStart® QHE 2x86T8HO also operates these lamps: F72, F60T8HO & F48T8HO											

1: Mean Lumens @ 8000 hours, 2: Mean Lumens for T8 (8 foot) @ 6000 hours , *10 Piece Banded Pack Item Number, ❏ Contact OSRAM SYLVANIA for product information.

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

✿ New Product. Contact OSRAM SYLVANIA for product availability.

9

Product Line Guide - Electronic Ballasts

Item Number	OSRAM SYLVANIA Description	Rated Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens[1]	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® *HIGH EFFICIENCY* 32 T8 INSTANT START 347 VOLT SYSTEMS – CANADA											
LOW BALLAST FACTOR											
49471	QHE 1X32T8/347 ISL-SC	347	0.08	F032/700	2800	1	0.78	2185	1965	25	87
			0.08	F032/XP	3000	1	0.78	2340	2220	25	94
			0.07	F030/SS	2850	1	0.78	2220	2110	24	93
			0.07	**F028/SS**	**2725**	**1**	**0.78**	**2125**	**2020**	**22**	**97**
			0.06	F025/SS	2475	1	0.78	1930	1835	20	97
49473	QHE 2X32T8/347 ISL-SC	347	0.14	F032/700	2800	2	0.78	4370	3930	48	91
			0.14	F032/XP	3000	2	0.78	4680	4445	48	98
			0.13	F030/SS	2850	2	0.78	4445	4220	46	97
			0.12	**F028/SS**	**2725**	**2**	**0.78**	**4250**	**4040**	**43**	**99**
			0.12	F025/SS	2475	2	0.78	3860	3665	38	102
49475	QHE 3X32T8/347 ISL-SC	347	0.21	F032/700	2800	3	0.78	6550	5895	71	92
			0.21	F032/XP	3000	3	0.78	7020	6670	71	99
			0.20	F030/SS	2850	3	0.78	6670	6340	67	100
			0.18	**F028/SS**	**2725**	**3**	**0.78**	**6380**	**6060**	**62**	**103**
			0.17	F025/SS	2475	3	0.78	5790	5500	55	105
49477	QHE 4X32T8/347 ISL-SC	347	0.28	F032/700	2800	4	0.78	8735	7860	96	91
			0.28	F032/XP	3000	4	0.78	9360	8890	96	98
			0.26	F030/SS	2850	4	0.78	8890	8445	90	99
			0.25	**F028/SS**	**2725**	**4**	**0.78**	**8500**	**8075**	**84**	**101**
			0.23	F025/SS	2475	4	0.78	7720	7335	74	104
NORMAL BALLAST FACTOR											
49461	QHE 1X32T8/347 ISN-SC	347	0.08	F032/700	2800	1	0.88	2465	2220	28	88
			0.08	F032/XP	3000	1	0.88	2640	2510	28	94
			0.08	F030/SS	2850	1	0.88	2510	2385	27	93
			0.07	**F028/SS**	**2725**	**1**	**0.88**	**2400**	**2280**	**25**	**96**
			0.07	F025/SS	2475	1	0.88	2175	2065	22	99
49463	QHE 2X32T8/347 ISN-SC	347	0.16	F032/700	2800	2	0.88	4925	4430	55	90
			0.16	F032/XP	3000	2	0.88	5280	5015	55	96
			0.15	F030/SS	2850	2	0.88	5015	4765	52	96
			0.14	**F028/SS**	**2725**	**2**	**0.88**	**4800**	**4560**	**48**	**100**
			0.13	F025/SS	2475	2	0.88	4355	4135	43	101
49465	QHE 3X32T8/347 ISN-SC	347	0.25	F032/700	2800	3	0.88	7390	6650	83	89
			0.25	F032/XP	3000	3	0.88	7920	7525	83	95
			0.24	F030/SS	2850	3	0.88	7525	7150	78	96
			0.22	**F028/SS**	**2725**	**3**	**0.88**	**7195**	**6835**	**74**	**97**
			0.20	F025/SS	2475	3	0.88	6530	6205	66	99
49467	QHE 4X32T8/347 ISN-SC	347	0.33	F032/700	2800	4	0.88	9855	8870	109	90
			0.33	F032/XP	3000	4	0.88	10,560	10,030	109	97
			0.31	F030/SS	2850	4	0.88	10,030	9530	103	97
			0.29	**F028/SS**	**2725**	**4**	**0.88**	**9590**	**9110**	**97**	**99**
			0.26	F025/SS	2475	4	0.88	8710	8275	87	100
Instant Start QHE ISL and ISN models above also operate these lamps: FBO32, FBO31, F025, FBO24, F017, FBO16, FBO30/SS (30W), FBO29/SS (29W) & FO40T8											
QUICKTRONIC® 32 T8 INSTANT START 347 VOLT SYSTEMS – CANADA											
LOW BALLAST FACTOR											
49241	QT2X32T8/347 ISL-SC	347	0.15	F032/XP	3000	2	0.77	4620	4390	51	91
49939	QT4X32T8/347 ISL-SC	347	0.28	F032/XP	3000	4	0.77	9240	8775	98	94
QUICKTRONIC® *PROFESSIONAL* 32 T8 INSTANT START 347 VOLT SYSTEMS – CANADA											
NORMAL BALLAST FACTOR											
49711	QTP1X32T8/347 ISN-SC	347	0.089	F032/XP	3000	1	0.88	2700	2565	31	90
49713	QTP2X32T8/347 ISN-SC	347	0.165	F032/XP	3000	2	0.88	5280	5015	59	89
QUICKTRONIC® 32 T8 INSTANT START 347 VOLT SYSTEMS – CANADA											
NORMAL BALLAST FACTOR											
49993	QT3X32T8/347 ISN-SC	347	0.25	F032/XP	3000	3	0.90	8100	7695	87	93
49994	QT4X32T8/347 ISN-SC	347	0.34	F032/XP	3000	4	0.90	10,800	10,260	112	96
Instant Start QTP ISN and QT ISL and ISN models above also operate these lamps: FBO32, FBO31, F025, FO40, FBO24, F017, FBO16, F030/SS(30W), FBO30/SS, FBO29/SS, F028/SS(28W) & F025/SS(25W)											
HIGH BALLAST FACTOR											
49927	QT2X32T8/347 ISH-SC	347	0.23	F032/XP	3000	2	1.2	7200	6840	78	92
Instant Start QT ISH model above also operates these lamps: F030/SS, F028/SS, F025/SS, FBO32, FBO31, FBO30/SS & FBO29/SS											
QUICKTRONIC® 59 T8 (8 foot) INSTANT START 347 VOLT SYSTEMS – CANADA											
NORMAL BALLAST FACTOR											
49217	QT2X59/347 IS	347	0.33	FO96T8 XP(59W)	6100	2	0.88	10,735	10,200	110	98
Instant Start QT IS model above also operates the FO96/SS lamp (55W)											

1: Mean Lumens @ 8000 hours

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

✪ New Product. Contact OSRAM SYLVANIA for product availability.

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® PROFESSIONAL T5HO PROStart® PSN UNIVERSAL VOLTAGE SYSTEMS										
NORMAL BALLAST FACTOR[3]										
49111 (49110)♦	QTP 2x39-24T5HO/UNV PSN NL	120-277	0.47/0.20	FP24T5HO	2000	2 / 1	1.00 / 1.00	4000 / 2000	55/54 / 29	73/74 / 70
49111 (49110)♦	QTP 2x39-24T5HO/UNV PSN NL	120-277	0.76/0.32	FP39T5HO	3500	2 / 1	1.00 / 1.00	7000 / 3500	85/83 / 42	82/84 / 83
49131 (49130)♦	QTP 2x54T5HO/UNV PSN NL	120-277	1.00/0.43	FP54T5HO	5000	2 / 1	1.00 / 1.00	10000 / 5000	121/118 / 61	83/85 / 82
49151 (49150)♦	QTP 1x80T5HO/UNV PSN NL	120-277	0.74/0.32	FP80T5HO / FT80T5DL	6000 / 7000	1 / 1	1.00 / 1.00	7000 / 6000	90 / 90	78 / 67

♦ (Item Number) = Item Number/NAED in parentheses are models with leads/wires. See Ballast Technology & Specification Guide for additional lamp types and full specifications.

QUICKTRONIC® PROFESSIONAL T5 PROStart® PSN UNIVERSAL VOLTAGE SYSTEMS										
NORMAL BALLAST FACTOR[3]										
49181 (49180)♦	QTP 2x28T5/UNV PSN NL	120-277	0.55/0.23	FP28T5	2900	2 / 1	1.00 / 1.00	5800 / 2900	65/63 / 32	89/92 / 90

PROStart® QTP PSN models above also operate these lamps: FP14, FP21 & FP35
♦ (Item Number) = Item Number/NAED in parentheses are models with leads/wires.

QUICKTRONIC® PROFESSIONAL T5HO PROStart® UNIVERSAL VOLTAGE HIGH AMBIENT TEMP. SYSTEMS										
FIXED OUTPUT[3]										
49136 (49135)♦	QTP 2x54T5HO/UNV PSN HT NL	120-277	1.00/0.43	FP54T5HO	5000	2 / 1	1.00 / 1.00	10000 / 5000	121/118 / 61	83/85 / 82
SWITCHABLE MODEL[3]										
49161 (49160)♦	QTP 4x54T5HO/UNV PSN HTW NL	120-277	2.00/0.85	FP54T5HO	5000	4 / 3 / 2 / 1	1.00 / 1.00 / 1.00 / 1.00	20000 / 15000 / 10000 / 5000	241/236 / 182/178 / 121/118 / 61	83/85 / 83/85 / 83/85 / 82

PROStart® QTP PSN models above also operate these lamps: FT55DL, FPC55, L58
♦ (Item Number) = Item Number/NAED in parentheses are models with leads/wires.

QUICKTRONIC® PROFESSIONAL T5HO PROStart® 347- 480V HIGH AMBIENT TEMP. SYSTEMS										
NORMAL BALLAST FACTOR[3]										
49146 (49145)♦	QTP 2x54T5HO/347-480 PSN HT NL	347-480	0.35/0.25	FP54T5HO	5000	2 / 1	1.00 / 1.00	10000 / 5000	121/120 / 61	83 / 82

PROStart® QTP PSN models above also operate these lamps: FT55DL, FPC55, L58
♦ (Item Number) = Item Number/NAED in parentheses are models with leads/wires.

QUICKTRONIC® HIGH EFFICIENCY INSTANT START DL40 UNIVERSAL VOLTAGE SYSTEMS[4]										
49428 ✪	QHE 1x40DL/UNV ISN-SC	120-277	0.30/0.13 / 0.27/0.12	FT40T5 / FT40DL/28W/SS/IS	3150 / 2800	1 / 1	0.90 / 1.07	2835 / 2995	35 / 32	81 / 94
49429	QHE 2x40DL/UNV ISN-SC	120-277	0.56/0.26 / 0.54/0.24	FT40T5 / FT40DL/28W/SS/IS	3150 / 2800	2 / 2	0.90 / 1.07	5670 / 5990	68/67 / 64/63	83/84 / 94/95
49430	QHE 3x40DL/UNV ISN-SC	120-277	0.84/0.36 / 0.79/0.35	FT40T5 / FT40DL/28W/SS/IS	3150 / 2800	3 / 3	0.90 / 1.07	8505 / 8990	100/99 / 95/94	85/86 / 95/96

[4] Ballast factor based upon 225mA nominal lamp current for FT40DL lamp and 190mA nominal lamp current for FT40DL/28W/SS/IS lamp.

QUICKTRONIC® PROFESSIONAL PROStart® DL40										
NORMAL BALLAST FACTOR										
50320 Formerly: M1-PN-TT5/40-F-120	QTP 1x40TT5/120 PSN-F	120	0.32	FT40T5	3150	1	0.88	2770	38	73
50330 Formerly: M1-PN-TT5/40-F-277	QTP 1x40TT5/277 PSN-F	277	0.13	FT40T5	3150	1	0.88	2770	37	75
50340 Formerly: M2-PN-TT5/40-F-120	QTP 2x40TT5/120 PSN-F	120	0.63	FT40T5	3150	2	0.88	5545	76	73
50350 Formerly: M2-PN-TT5/40-F-277	QTP 2x40TT5/277 PSN-F	277	0.27	FT40T5	3150	2	0.88	5545	73	76
50360 Formerly: M3-PN-TT5/40-B-120	QTP 3x40TT5/120 PSN-B	120	0.92	FT40T5	3150	3	0.88	8315	110	76
50370 Formerly: M3-PN-TT5/40-B-277	QTP 3x40TT5/277 PSN-B	277	0.39	FT40T5	3150	3	0.88	8315	108	77

3: Rated lamp lumens and performance data based on PENTRON® HO lamps. Rated lumens at 35°C lamp ambient temperature

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com
✪ New Product. Contact OSRAM SYLVANIA for product availability. 11

Product Line Guide - Electronic Ballasts

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® PROFESSIONAL PROStart® COMPACT FLUORESCENT - UNIVERSAL VOLTAGE DUAL ENTRY[5,6]										
NORMAL BALLAST FACTOR										
51818 ⊙	QTP 1/2x13CF/UNV	120-277	0.25/0.11	13W DD/E,T/E	900	1	1.00	900	16	56
51850	*QTP 1/2x13CF/UNV-KIT ▲*			13W DD/E,T/E	900	2	1.00	1800	29	62
51823 ⊙	QTP 1/2x18CF/UNV	120-277	0.32/0.14	18W DD/E,T/E	1200	1	1.00	1200	20	60
51851	*QTP 1/2x18CF/UNV-KIT ▲*			18W DD/E,T/E	1200	2	1.00	2400	38	63
51833 ⊙	QTP 2x26CF/UNV	120-277	0.50/0.22	26W DD/E,T/E	1800	1	1.00	1800	28	64
51852 ⊙	*QTP 2x26CF/UNV-KIT ▲*			26W DD/E,T/E	1800	2	1.00	3600	54	67
51898	QTP 2x26CF/UNV PEM			32W DT/E	2400	1	0.98	2350	35	67
				42W DT/E	3200	1	1.00	3200	45	71
51843	QTP 2x26/32/42CF/UNV M	120-277	0.90/0.40	26W DT/E	1800	2	1.02	3670	54	68
51853 ⊙	*QTP 2x26/32/42CF/UNV M-KIT ▲*			32W DT/E	2400	2	0.96	4600	69	67
51863	QTP 2x26/32/42CF/UNV M PEM			42W DT/E	3200	2	0.95	6080	94	65
			0.53/0.23	57W DT/E	4300	1	1.00	4300	62	69
			0.57/0.25	70W DT/E	5200	1	0.92	4780	71	67

Also operates: see Ballast Technology & Specification Guide for additional lamp types. ▲CF Kits include a ballast, screws, wire, mounting bracket, an instruction sheet and a wire removal tool.

NORMAL BALLAST FACTOR - QTP CF models above replace gray shaded models below										
51718	QTP 1/2x13CF/UNV BS	120-277	0.25/0.11	13W DD/E,T/E	900	1	1.00	900	16	56
51748	QTP 1/2x13CF/UNV TS			13W DD/E,T/E	900	2	1.00	1800	29	62
51723	QTP 1/2x18CF/UNV BS	120-277	0.32/0.14	18W DD/E,T/E	1200	1	1.00	1200	20	60
51753	QTP 1/2x18CF/UNV TS			18W DD/E,T/E	1200	2	1.00	2400	38	63
51733	QTP 2x26CF/UNV BS	120-277	0.50/0.22	26W DD/E,T/E	1800	1	1.00	1800	28	64
51763	QTP 2x26CF/UNV TS			26W DD/E,T/E	1800	2	1.00	3600	54	67
				32W DT/E	2400	1	0.98	2350	35	67
				42W DT/E	3200	1	1.00	3200	45	71
51738	QTP 1/2xCF/UNV BM	120-277	0.57/0.25	26W DD/E,T/E	1800	1	1.02	1830	28	65
51798	QTP 1/2xCF/UNV PM			26W DD/E,T/E	1800	2	1.02	3670	57	64
51768	QTP 1/2xCF/UNV TM			32W DT/E	2400	1	0.97	2330	36	65
				42W DT/E	3200	1	1.00	3200	46	70
51743	QTP 2x26/32/42CF/UNV BM	120-277	0.90/0.40	26W DT/E	1800	2	1.02	3670	54	68
51803	QTP 2x26/32/42CF/UNV PM			32W DT/E	2400	2	0.96	4600	69	67
51773	QTP 2x26/32/42CF/UNV TM			42W DT/E	3200	2	0.95	6080	94	65
	Also operates one 57W or 70W		0.53/0.23	57W DT/E	4300	1	1.00	4300	62	69
	CFL lamps		0.57/0.25	70W DT/E	5200	1	0.92	4780	71	67

QUICKTRONIC® HIGH EFFICIENCY POWERSENSE™ 32 T8 DIMMING SYSTEMS - A list of controllers is available from OSRAM SYLVANIA										
Power-line control (2-wire) or 0-10Vdc control (4-wire) - 100-5% Dimming Range - <10% THD										
50705	QTP 1x32T8/UNV DIM-TC	120-277	0.27/0.12	F032XP	3000	1	0.88	2640	30	88
							0.05	150	8	
50707	QTP 2x32T8/UNV DIM-TC	120-277	0.54/0.24	F032XP	3000	2	0.88	5280	60/58	88/91
							0.05	300	15	
50714	QTP 3x32T8/UNV DIM-TCL	120-277	0.73/0.30	F032XP	3000	3	0.88	7920	87/84	91/94
							0.05	450	20	
50716	QTP 4x32T8/UNV DIM-TCL	120-277	0.96/0.40	F032XP	3000	4	0.88	10560	114/110	92/96
							0.05	600	27	

POWERSENSE™ QTP models above also operate these lamps: F025, F017 & FBO32. POWERSENSE T8 replaces former Helios T8 dimming products.

QUICKTRONIC® HIGH EFFICIENCY HELIOS™ 32 T8 DIMMING SYSTEMS - A list of controllers is available from OSRAM SYLVANIA										
High Ballast Factor - "PLUS" High Light Output System - For 277V, 0-10Vdc Control Applications Only										
50718 ⊙	QTP 4x32T8/277 DIM PLUS-TCL	277	0.53	F032XP	3000	4	1.20	14400	145	99
							0.05	600	28	

QUICKTRONIC® HIGH EFFICIENCY POWERSENSE™ 28 T5 DIMMING SYSTEMS - A list of controllers is available from OSRAM SYLVANIA										
Power-line control (2-wire) or 0-10Vdc control (4-wire) - 100-1% Dimming Range - <10% THD										
50726 ⊙	QTP 2x28T5/UNV DIM-TCL	120-277	0.53/0.23	FP28	2900	2	1.00	5800	63/62	92/94
							0.01	58	10	

POWERSENSE™ QTP model above also operate these lamps: FP35, FP21 & FP14

QUICKTRONIC® PROFESSIONAL HELIOS™ 54 T5 HO DIMMING SYSTEMS[3] - A list of controllers is available from OSRAM SYLVANIA										
(0-10Vdc control) - 100-1% Dimming Range - <10% THD										
49671	QT1x54/120PHO-DIM	120	0.54	FP54T5HO	5000	1	1.00	5000	62	81
							0.01	50	8	
49672	QT1x54/277PHO-DIM	277	0.23	FP54T5HO	5000	1	1.00	5000	61	82
							0.01	50	8	
49673	QT2x54/120PHO-DIM	120	1.07	FP54T5HO	5000	2	1.00	10000	120	83
							0.01	100	18	
49674	QT2x54/277PHO-DIM	277	0.45	FP54T5HO	5000	2	1.00	10000	117	85
							0.01	100	18	

HELIOS™ QT models above also operate these lamps: FT55DL & FPC55

3: Rated lamp lumens and performance data based on PENTRON® HO lamps. Rated lumens at 35°C lamp ambient temperature,
5: Rated lamp lumens and performance data based on DULUX T/E series 4 pin lamps. 6: Data is for all models within the brackets. The maximum input current is shown for maximum input power. ⊙ New Product. Contact OSRAM SYLVANIA for product availability.

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® *PROFESSIONAL* DALI DIMMING SYSTEMS - 100-1% Dimming Range - <10% THD - For a list of DALI controllers, contact OSRAM SYLVANIA										
				T8						
51350	QTP 1x32T8/UNV DALI	120-277	0.31/0.13	FO32XP	3000	1	1.00 0.01	3000 30	36 6	83
51352	QTP 2x32T8/UNV DALI	120-277	0.61/0.26	FO32XP	3000	2	1.00 0.01	6000 60	72/70 12	83/86
DALI QTP models above also operate these lamps: FBO32										
				T5HO						
51364	QTP 1x54T5HO/UNV DALI	120-277	0.52/0.22	FP54HO	5000	1	1.00 0.01	5000 50	62/61 9	81/82
51366	QTP 2x54T5HO/UNV DALI	120-277	1.05/0.44	FP54HO	5000	2	1.00 0.01	10,000 100	122/119 18	82/84
				T5						
51356	QTP 1x28T5/UNV DALI	120-277	0.27/0.11	FP28	2900	1	1.00 0.01	2900 29	32 6	91
51358	QTP 2x28T5/UNV DALI	120-277	0.55/0.23	FP28	2900	2	1.00 0.01	5800 58	64/62 12	91/94
51357	QTP 1x14T5/UNV DALI	120-277	0.15/0.07	FP14	1350	1	1.00 0.01	1350 14	18	75
51359	QTP 2x14T5/UNV DALI	120-277	0.29/0.13	FP14	1350	2	1.00 0.01	2700 27	34/33	79/82
51360	QTP 1x35T5/UNV DALI	120-277	0.34/0.14	FP35	3650	1	1.00 0.01	3650 37	40/39	91/94
51361	QTP 2x35T5/UNV DALI	120-277	0.67/0.28	FP35	3650	2	1.00 0.01	7300 73	79/76	92/96
QUICKTRONIC® *PROFESSIONAL* DALI COMPACT FLUORESCENT DIMMING SYSTEMS - For a list of DALI controllers, contact OSRAM SYLVANIA										
T4 and TT5 DALI - 100-3% Dimming Range - <10% THD										
51370	QTP 1x18CF/UNV DALI	120-277	0.18/0.08	18W DD/E, T/E	1200	1	1.00 0.03	1200 35	20	60
51372	QTP 2x18CF/UNV DALI	120-277	0.33/0.14	18W DD/E, T/E	1200	2	1.00 0.03	2400 70	39/38	61/63
51375	QTP 1x26CF/UNV DALI	120-277	0.24/0.10	26W DD/E, T/E	1800	1	1.00 0.03	1800 55	28	64
51377	QTP 2x26CF/UNV DALI	120-277	0.49/0.22	26W DD/E, T/E	1800	2	1.00 0.03	3600 110	55/54	65/67
51380	QTP 1x32CF/UNV DALI	120-277	0.34/0.15	32W DT/E	2400	1	1.00 0.03	2400 70	38	63
51382	QTP 2x32CF/UNV DALI	120-277	0.60/0.26	32W DT/E	2400	2	1.00 0.03	4800 140	71/70	68/69
51384	QTP 1x42CF/UNV DALI	120-277	0.43/0.19	42W DT/E	3200	1	1.00 0.03	3200 95	49	65
51386	QTP 2x42CF/UNV DALI	120-277	0.82/0.36	42W DT/E	3200	2	1.00 0.03	6400 190	92/91	69/70
51390	QTP 1x40TT5/UNV DALI	120-277	0.41/0.17	40W DL	3150	1	1.00 0.03	3150 95	45/44	70/72
51392	QTP 2x40TT5/UNV DALI	120-277	0.83/0.37	40W DL	3150	2	1.00 0.03	6300 190	97/94	65/67
QUICKTRONIC® 96IS & 96HO										
F96T12 Instant Start - Normal Ballast Factor- <20%THD										
49881	QT 2x96/120 IS	120	1.12	F96SS F96	5300 6420	2 2	0.85 0.85	9010 10910	107 132	84 83
49882	QT 2x96/277 IS	277	0.49	F96SS F96	5300 6420	2 2	0.85 0.85	9010 10910	107 132	84 83
QT IS models above also operate these lamps: F84T12, F72T12 & F60T12										
F96T12 High Output- Normal Ballast Factor- <20%THD										
49883	QT 2x96/120 HO	120	1.74	F96HOSS F96HO	8000 9050	2 2	0.89 0.89	14240 16109	170 205	84 79
49884	QT 2x96/277 HO	277	0.76	F96HOSS F96HO	8000 9050	2 2	0.85 0.85	13600 15385	170 205	80 75
QT HO models above also operate these lamps: F84T12/HO, F72T12/HO, F60T12/HO, & F48T12/HO										

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

✪ New Product. Contact OSRAM SYLVANIA for product availability. **13**

Product Line Guide - Electronic Ballasts

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
QUICKTRONIC® _PROFESSIONAL_ 40 T12 RAPID START										
NORMAL BALLAST FACTOR - <10%THD, (3 lamp <20%THD)										
50684	QTP 1x40T12/120 RSN-SC	120	0.30	F40T12/D41	3200	1	0.85	2720	35	78
50685	QTP 1x40T12/277 RSN-SC	277	0.13	F40T12/D41	3200	1	0.85	2720	35	78
50686	QTP 2x40T12/120 RSN-SC	120	0.62	F40T12/D41	3200	2	0.85	5440	71	77
50687	QTP 2x40T12/277 RSN-SC	277	0.24	F40T12/D41	3200	2	0.85	5440	71	77
50688	QTP 3x40T12/120 RSN	120	0.91	F40T12/D41	3200	3	0.87	8352	107	78
50689	QTP 3x40T12/277 RSN	277	0.39	F40T12/D41	3200	3	0.87	8352	107	78
QTP T12/RS models above also operate these lamps: F30T12 & F25T12										
QUICKTRONIC® ICE										
ICETRON® Universal Voltage - <15% THD - Contact OSRAM SYLVANIA for ICETRON® lamp information										
49753	QT 1x100 ICE/UNV-T	120-277	0.88/0.37	ICE100	8000	1	1.00	8000	106/103	75/77
49756	QT 1x100 ICE/UNV-W		0.66/0.29	ICE70	6200	1	1.05	6500	79/77	82/84
49772	QT 1x150 ICE/UNV-T	120-277	1.34/0.58	ICE150	12000	1	1.00	12000	161/156	74/76
49773	QT 1x150 ICE/UNV-W		1.28/0.54	ICE100	8000	1	1.38	11000	154/149	71/73
QUICKTRONIC® FM – DEDICATED VOLTAGE (120V)										
Electronic T2 Fluorescent Subminiature Systems										
49735 ⊙	QT1x6-8FM/120	120	0.11	FM 6/H	330	1	1.00	330	8	41
		120	0.14	FM 8/H	540	1	1.00	540	10	54
49736 ⊙	QT1x11-13FM/120	120	0.18	FM 11/H	750	1	1.00	750	13	58
		120	0.22	FM 13/H	930	1	1.00	930	16	58
QUICKTRONIC® _PROFESSIONAL_ MH										
Electronic Metal Halide - Universal Voltage										
51908	QTP1x20MH/UNV-F	120-277	0.21/0.085	20W T4.5	1700	1	1.0	1700	23	74
51909	QTP1x20MH/UNV-J									
51968 ⊙ ☆	QTP2X20MH UNV F	120-277	0.38/0.16	20W T4.5	1700	2	1.0	3400	46	74
51969 ⊙ ☆	QTP2X20MH UNV J									
51910	QTP1x39MH/UNV-F	120-277	0.39/0.17	39W T6	3400	1	1.0	3400	44	77
51911	QTP1x39MH/UNV-J									
51970 ⊙ ☆	QTP2X39MH UNV F	120-277	0.75/0.33	39W T6	3400	2	1.0	6800	89	76
51971 ⊙ ☆	QTP2X39MH UNV J									
51912 ⊙ ☆	QTP1x70MH/UNV-F	120-277	0.67/0.29	70W T6	6700	1	1.0	6700	79	85
51913 ⊙ ☆	QTP1x70MH/UNV-J									
51914 ⊙ ☆	QTP1x100MH/UNV-F	120-277	0.96/0.41	100W E17	9000	1	1.0	9000	110	82
51915 ⊙ ☆	QTP1x100MH/UNV-J									
QUICKTRONIC® MH										
Electronic Metal Halide										
51958 ⊙ ☆	QT1x20MH 120V SLIM	120	0.20	20W T4.5	1700	1	1.0	1700	23	74
51959 ⊙ ☆	QT1x20MH UNV SQ	120-277	0.19/0.09	20W T4.5	1700	1	1.0	1700	23	74
51960 ⊙ ☆	QT1x39MH 120V SLIM	120	0.38	39W T6	3400	1	1.0	3400	44	77
51961 ⊙ ☆	QT1x39MH UNV SQ	120-277	0.38/0.17	39W T6	3400	1	1.0	3400	44	77
51962 ⊙ ☆	QT1x70MH 120V SLIM	120	0.64	70W T6	6700	1	1.0	6700	79	85
51963 ⊙ ☆	QT1x70MH 120V SQ	120	0.64	70W T6	6700	1	1.0	6700	79	85
51930 ⊙ ☆	QT1x150MH/UNV F	120-277	1.40/0.60	150W T7.5	15500	1	1.0	15500	167	93
51931 ⊙ ☆	QT1x150MH/UNV J	120-277	1.40/0.60	150W T7.5	15500	1	1.0	15500	167	93
QUICKTRONIC® _HIGH EFFICIENCY_ MH										
Electronic Metal Halide - 208-277V										
51980 ⊙ ☆	QHE1X200MH 208-277V	208-277	1.06/0.79	200W E39	19000	1	1.0	19000	215	88
51981 ⊙ ☆	QHE1X250MH 208-277V	208-277	1.32/0.99	250W E39	23500	1	1.0	23500	269	87
51982 ⊙ ☆	QHE1X320MH 208-277V	208-277	1.69/1.27	320W E39	32000	1	1.0	32000	344	93
51983 ⊙ ☆	QHE1X350MH 208-277V	208-277	1.85/1.39	350W EX39	33000	1	1.0	33000	376	88
51984 ⊙ ☆	QHE1X400MH 208-277V	208-277	2.12/1.58	400W E39	42000	1	1.0	42000	430	98
Also operates: For all of the above Metal Halide Ballasts, see Ballast Technology & Specification Guide for additional lamp types										

☆ Preliminary Data – check with OSRAM SYLVANIA for detailed specifications.

⊙ New Product. Contact OSRAM SYLVANIA for product availability.

Item Number	OSRAM SYLVANIA Description	Nominal Input Voltage (VAC)	Nominal Input Current (Amps)	Output Current (mA)	Remote Mounting (ft)	Location Rating	Dimming Range	Control Voltage
OPTOTRONIC® Electronic DRAGON Power Supplies								
OSRAM Constant Current LED DRAGON Power Supplies (DC Output) - Contact OSRAM SYLVANIA for DRAGON™ LED module ordering information								
AC Input								
51524 ✪	OT3/120-240/350	120-240 (AC)	0.12A@120V	350	50	Dry	N/A	N/A
51525	OT9/100-120/350 E	100-120 (AC)	0.18A@120V	350	30	Dry+Damp	N/A	N/A
DC Input								
51526	OT9/10-24/350 DIM E	10-24 (DC)	1.1A@10V 0.5A@24V	350	30	Dry+Damp	100% to 0%	10V to 0V DC

Item Number	OSRAM SYLVANIA Description	Nominal Input Voltage (VAC)	Nominal Input Current (Amps)	Output Voltage (Vdc)	Min. Output Power (W)	Max. Output Power (W)	Max. Line Ripple (V)	Remote Mounting (ft)	Compatible With OT9 Dim	Compatible With OT Dim	Compatible With OT RGB Controls	Location Rating
OPTOTRONIC® Electronic LED Power Supplies												
OSRAM LED Power Supplies (DC Output) - 10.5 V DC - Contact OSRAM SYLVANIA for LED (Light Emitting Diodes) ordering information												
51502 ✪	OT6/100-120/10CE	100-120	0.120@120V	10.5±0.5	0.4	6	±0.2V	32	YES	YES	YES	Dry+Damp
51505	OT25/120/10	120	0.26@120V	10.5±1.0	3	25	±1.1V	10	NO	NO	NO	Dry
51508	OT50/120/10	120	0.52@120V	10.5±1.0	10	50	±1.1V	8	NO	NO	NO	Dry+Damp
51509	OT50/120-277/10E	120-277	0.51@120V 0.22@277V	10.5±1.0	0.4	50	±0.2V	32	YES	YES	YES	Dry+Damp
51506	OT25/120/10CORD	120	0.42@120V	10.5±0.5	0.5	25	±0.5V	58	YES	YES	YES	Dry+Damp
OSRAM LED Power Supplies (DC Output) - 24 V DC - Contact OSRAM SYLVANIA for LED (Light Emitting Diodes) ordering information												
51503 ✪	OT6/100-120/24CE	100-120	0.15@120V	24.0±0.5	0.9	6	±0.4V	32	YES	YES	YES	Dry+Damp
51512	OT20/120-240/24S	120-240	0.35@120V 0.23@240V	24.0±0.5	0.9	20	±0.2V	32	YES	YES	YES	Dry
51513	OT75/120/24	120	1.2@120V	24.0±0.5	10	75	±1.0V	30	YES	NO	YES	Dry+Damp
51514	OT75/120-277/24E	120-277	0.75@120V 0.32@277V	24.0±0.5	0.9	75	±0.2V	32	YES	YES	YES	Dry+Damp
51511 ✪	OT96/120-277/24	120-277	0.91@120V 0.39@277V	24.0±0.5	0.8	96	±1.0V	10	YES	YES	YES	WET
51515 ✪	OT240/120-240/24/CH3	120-240	2.39@120V 1.19@240V	24.0±0.5	0.8	240	±1.0V	10	YES	YES	YES	WET

Item Number	OSRAM SYLVANIA Description	Nominal Input Voltage (VDC)	Max. Input Current (A)	Control Voltage (VDC)	Output Power per channel (W)	Max. Output Power (W)	Max. Power Loss (W)	Max. Output Current per channel (A)
OPTOTRONIC® Electronic LED Dim/Sequencer Modules								
OSRAM LED Dim/Sequencer Modules - OTRGB operates in conjunction with the LED power supplies listed above								
51517 51518	OT RGB DIM OT RGB SEQUENCER	10.5 / 24	6	0-10	0-21 / 0-48	60 / 140	4	2

Item Number	OSRAM SYLVANIA Description	Nominal Input Voltage (VDC)	Nominal Input Current (A)	Control Voltage (VDC)	Max. Output Power (W)	Max. Output Current (A)		
OPTOTRONIC® Electronic LED Dimming Modules								
OSRAM LED Dimming Modules - OTDIM operates in conjunction with the LED power supplies listed above								
51516	OT DIM	10.5 24	5.3 5.3	0-10VDC 0-10VDC	0–52.5 0–120	5 5		

*Complete performance data is available in the SYLVANIA QUICKTRONIC®
LED Systems Specification Guide and at www.sylvania.com.*

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

✪ New Product. Contact OSRAM SYLVANIA for product availability. | **15**

Discontinued Electronic Ballasts: Nearest Equivalent SYLVANIA Replacement

	DISCONTINUED BALLASTS			NEAREST REPLACEMENT UNIVERSAL VOLTAGE BALLASTS	
	Item Number	OSRAM SYLVANIA Description		Item Number	OSRAM SYLVANIA Description
T8, 1-Lamp, Instant Start					
ISN	49911 49912	QT1X32T8/120 ISN-SC QT1X32T8/277 ISN-SC		49941	QTP 1x32T8/UNV ISN-SC
	49951 49952	QT1X32T8/120 ISN-SC-PAL QT1X32T8/277 ISN-SC-PAL		49942	QTP 1x32T8/UNV ISN-SC-PAL
	49811 49812 49901	QT1X32T8/120 ISN-SC SRNK QT1X32T8/277 ISN-SC SRNK QTP 1x32T8/UNV ISN-SC SRNK		49905	QTP 1x32T8/UNV-ISN-SC-B
ISL	49931 49932	QT1X32T8/120 ISL-SC QT1X32T8/277 ISL-SC		49741	QTP 1x32T8/UNV ISL-SC
	49701	QTP1X32T8/UNV-ISL-SC-SRNK		49832	QTP 1x32T8/UNV-ISL-SC-B
T8, 2-Lamp, Instant Start					
ISN	49913 49914	QT2X32T8/120 ISN-SC QT2X32T8/277 ISN-SC		49943	QTP 2x32T8/UNV ISN-SC
	49953 49954	QT2X32T8/120 ISN-SC-PAL QT2X32T8/277 ISN-SC-PAL		49944	QTP 2x32T8/UNV ISN-SC-PAL
	49813 49814 49902	QT2X32T8/120 ISN-SC SRNK QT2X32T8/277 ISN-SC SRNK QTP 2x32T8/UNV ISN-SC SRNK		49906	QTP 2x32T8/UNV-ISN-SC-B
ISL	49933 49934	QT2X32T8/120 ISL-SC QT2X32T8/277 ISL-SC		49743	QTP 2x32T8/UNV ISL-SC
	49823	QT2X32T8120ISLSCPAL		49744	QTP 2x32T8/UNV ISL-SC-PAL
	49803 49804 49702	QT2X32T8/120 ISL-SC SRNK QT2X32T8/277 ISL-SC SRNK QTP 2x32T8/UNV-ISL-SC-SRNK		49834	QTP 2x32T8/UNV-ISL-SC-B
ISH	49923 49924	QT2X32T8/120 ISH-SC QT2X32T8/277 ISH-SC		49843	QTP 2x32T8/UNV ISH-SC
	49973 49974	QT2X32T8/120 ISH-SC-PAL QT2X32T8/277 ISH-SC-PAL		49844	QTP 2x32T8/UNV ISH-SC-PAL
T8, 3-Lamp, Instant Start					
ISN	49915 49916	QT3X32T8/120 ISN-SC QT3X32T8/277 ISN-SC		49945	QTP 3x32T8/UNV ISN-SC
	49955 49956	QT3X32T8/120 ISN-SC-PAL QT3X32T8/277 ISN-SC-PAL		49946	QTP 3x32T8/UNV ISN-SC-PAL
	49815 49816 49903	QT3X32T8/120 ISN-SC SRNK QT3X32T8/277 ISN-SC SRNK QTP 3x32T8/UNV-ISN-SC SRNK		49907	QTP 3x32T8/UNV-ISN-SC-B
ISL	49935 49936	QT3X32T8/120 ISL-SC QT3X32T8/277 ISL-SC		49745	QTP 3x32T8/UNV ISL-SC
	49825	QT3X32T8120T8ISLSCPAL		49746	QTP 3x32T8/UNV ISL-SC-PAL
	49805 49806 49703	QT3X32T8/120 ISL-SC SRNK QT3X32T8/277 ISL-SC SRNK QTP 3x32T8/UNV-ISL-SC-SRNK		49835	QTP 3x32T8/UNV-ISL-SC-B
ISH	49525 49526	QT3x32/120 PLUS QT3x32/277 PLUS		49845	QTP 3x32T8/UNV ISH-SC
T8, 4-Lamp, Instant Start					
ISN	49917 49918 49517	QT4X32T8/120 ISN-SC QT4X32T8/277 ISN-SC QT4X32120 IS		49947	QTP 4x32T8/UNV ISN-SC
	49957 49958 49557	QT4X32T8/120 ISN-SC-PAL QT4X32T8/277 ISN-SC-PAL QT4X32120-PAL		49948	QTP 4x32T8/UNV ISN-SC-PAL
	49817 49818 49904	QT4X32T8/120 ISN-SC SRNK QT4X32T8/277 ISN-SC SRNK QTP4x32T8/UNV-ISN-SC SRNK		49908	QTP 4x32T8/UNV-ISN-SC-B
ISL	49537 49538	QT4X32/120 LP QT4X32/277 LP		49747	QTP 4x32T8/UNV ISL-SC
	49307 49308 49704	QT4X32/120 LP SRNK QT4X32/277 LP SRNK QTP4x32T8/UNV-ISL-SC-SRNK		49836	QTP 4x32T8/UNV-ISL-SC-B
ISH	49521	QHE4x32T8/277 ISH		49877	QHE 4X32T8/UNV ISH
	49522	QHE4x32T8/277 ISH-PAL		49878	QHE 4X32T8/UNV ISH-PAL
T8, 1-Lamp, Programmed Start					
PSN	50804 50806	QTP1X32T8/120 PSN-TC QTP1X32T8/277 PSN-TC		51400	QTP 1x32T8/UNV PSN-TC
	50805 50807	QTP1X32T8/120 PSN-TC-PAL QTP1X32T8/277 PSN-TC-PAL		51401	QTP 1x32T8/UNV PSN-TC-PAL
T8, 2-Lamp, Programmed Start					
PSN	50814 50824	QTP2X32T8/120 PSN-SC QTP2X32T8/277 PSN-SC		51405	QTP 2x32T8/UNV PSN-TC
	50815 50825	QTP2X32T8/120 PSN-SC-PAL QTP2X32T8/277 PSN-SC-PAL		51406	QTP 2x32T8/UNV PSN-TC-PAL

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

Discontinued Electronic Ballasts: Nearest Equivalent SYLVANIA Replacement

DISCONTINUED BALLASTS			NEAREST REPLACEMENT UNIVERSAL VOLTAGE BALLASTS	
Item Number	OSRAM SYLVANIA Description		Item Number	OSRAM SYLVANIA Description
T8, 3-Lamp, Programmed Start				
PSN 50830	QTP3X32T8/120 PSN-SC		51410	QTP 3x32T8/UNV PSN-SC
50840	QTP3X32T8/277 PSN-SC			
50832	QTP3X32T8/120 PSN-SC-PAL		51411	QTP 3x32T8/UNV PSN-SC-PAL
50842	QTP3X32T8/277 PSN-SC-PAL			
T8, 4-Lamp, Programmed Start				
PSN 50850	QTP4X32T8/120 PSN-SC		51415	QTP 4x32T8/UNV PSN-SC
50860	QTP4X32T8/277 PSN-SC			
50852	QTP4X32T8/120 PSN-SC-PAL		51416	QTP 4x32T8/UNV PSN-SC-PAL
50862	QTP4X32T8/277 PSN-SC-PAL			
8' T8, 2-Lamp, Instant Start				
49581	QT2X59T8/120 IS		49598	QTP 2x59T8/UNV ISN-SC
49582	QT2X59T8/277 IS			
ISN 49585	QT2X59T8/120 IS-PAL		49599	QTP 2x59T8/UNV ISN-SC-PAL
49586	QT2X59T8/277 IS-PAL			
49587	QT2X59T8/120 IS-SRNK		49590	QTP 2x59T8/UNV-ISN-SC-B
49588	QT2X59T8/277 IS-SRNK			
49028	QT2X59T8/120 IS-SRNK-IN 4Pk			
49597	QTP2x59T8/UNV ISN-SC-SRNK			
ISH 49583	QT2X59T8/120 PLUS		49879	QHE 2X59T8/UNV ISH
49584	QT2X59T8/277 PLUS			
T5HO, 1-Lamp, Programmed Start				
49121	QTP 1x54T5HO/UNV PSN		49131	QTP 2x54T5HO/UNV PSN
FT40T5, 1-Lamp, Instant Start				
ISN 49641	QT 1X40/120 DL		49428	QHE 1x40DL/UNV ISN-SC
49642	QT 1X40/277 DL			
FT40T5, 2-Lamp, Instant Start				
ISN 49643	QT 2X40/120 DL		49429	QHE 2x40DL/UNV ISN-SC
49644	QT 2X40/277 DL			
FT40T5, 3-Lamp, Instant Start				
ISN 49645	QT 3X40/120 DL		49430	QHE 3x40DL/UNV ISN-SC
49646	QT 3X40/277 DL			
T4, 1 and 2-Lamp, Programmed Rapid Start				
51778	QTP 1/2x13CF/UNV QS		51818	QTP 1/2x13CF/UNV
51783	QTP 1/2x18CF/UNV QS		51823	QTP 1/2x18CF/UNV
51793	QTP 2x26CF/UNV QS		51833	QTP 2x26CF/UNV
51810	QTP 1/2x13CF/UNV DS		51850	QTP 1/2x13CF/UNV Kit
51811	QTP 1/2x18CF/UNV DS		51851	QTP 1/2x18CF/UNV Kit
51812	QTP 2x26/1x42/32CF/UNV DS		51852	QTP 2x26/1x42/32CF/UNV Kit
51813	QTP 2x26/1x42/32CF/UNV DM		51853	QTP 2x26/1x42/32CF/UNV M Kit
T8, 1-Lamp, Dimming Systems				
50700	QTP 1x32T8/120 DIM5-B		50705	QTP 1x32T8/UNV DIM-TC
50701	QTP 1x32T8/120 DIM5-B NL			
50710	QTP 1x32T8/277 DIM5-B			
50711	QTP 1x32T8/277 DIM5-B NL			
T8, 2-Lamp, Dimming Systems				
50720	QTP 2x32T8/120 DIM5-B		50707	QTP 2x32T8/UNV DIM-TC
50721	QTP 2x32T8/120 DIM5-B NL			
50730	QTP 2x32T8/277 DIM5-B			
50731	QTP 2x32T8/277 DIM5-B NL			
T8, 3-Lamp, Dimming Systems				
50750	QTP 3x32T8/120 DIM5-B		50714	QTP 3x32T8/UNV DIM-TCL
50751	QTP 3x32T8/120 DIM5-B NL			
50760	QTP 3x32T8/277 DIM5-B			
50761	QTP 3x32T8/277 DIM5-B NL			
T8, 4-Lamp, Dimming Systems				
50770	QTP 4x32T8/120 DIM10-Q		50716	QTP 4x32T8/UNV DIM-TCL
50771	QTP 4x32T8/120 DIM10-Q NL			
50780	QTP 4x32T8/277 DIM10-Q			
50781	QTP 4x32T8/277 DIM10-Q NL			
T2, 1 and 2-Lamp, Programmed Start			**(Replacement Ballasts are 120V, 1-Lamp)**	
49734	QT-FM		49735	QT1X6-8FM/120 (120V, 1 LAMP ONLY)
			49736	QT1X11-13FM/120 (120V, 1 LAMP ONLY)
LED Power Supplies (DC Output), 10V DC				
51500	OT6/100-240/10COS		51502	OT6/100-120/10CE
LED Power Supplies (DC Output), 24V DC				
51501	OT6/100-240/24COS		51503	OT6/100-120/24CE

Electronic Ballast
Cross Reference Guide
QUICKCROSS

The smart electronics in SYLVANIA QUICKTRONIC® ballasts allow them to outperform the competition.

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)	GE	Howard
QUICKTRONIC® HIGH EFFICIENCY 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS					
32 T8 High Efficiency Instant Start - Low Ballast Factor - Small Can - <10% THD					
49861	QHE 1X32T8/UNV ISL-SC	IOP-1P32-LW-SC	B132IUNVEL-A	GE-132-MAX-L/ULTRA	N/A
49863	QHE 2X32T8/UNV ISL-SC	IOP-2P32-LW-SC	B232IUNVEL-A	GE-232-MAX-L/ULTRA	N/A
49865	QHE 3X32T8/UNV ISL-SC	IOP-3P32-LW-SC	B332IUNVEL-A	GE-332-MAX-L/ULTRA	N/A
49867	QHE 4X32T8/UNV ISL-SC	IOP-4P32-LW-SC	B432IUNVEL-A	GE-432-MAX-L/ULTRA	N/A
32 T8 High Efficiency Instant Start - Normal Ballast Factor - Small Can - <10% THD					
49851	QHE 1X32T8/UNV ISN-SC	IOP-1P32-SC	B132IUNVHE-A	GE-132-MAX-N/ULTRA	N/A
49853	QHE 2X32T8/UNV ISN-SC	IOP-2P32-SC	B232IUNVHE-A	GE-232-MAX-N/ULTRA	N/A
49855	QHE 3X32T8/UNV ISN-SC	IOP-3P32-SC	B332IUNVHE-A	GE-332-MAX-N/ULTRA	N/A
49857	QHE 4X32T8/UNV ISN-SC	IOP-4P32-SC	B432IUNVHE-A	GE-432-MAX-N/ULTRA	N/A
32 T8 High Efficiency Instant Start - High Ballast Factor - Small Can - <10% THD					
49871	QHE 1X32T8/UNV ISH-SC	IOP-1P32-HL-SC	N/A	N/A	N/A
49873	QHE 2X32T8/UNV ISH-SC	IOP-2P32-HL-SC	B232IUNVHEH-A	GE-232-MAX-H/ULTRA	N/A
49875	QHE 3X32T8/UNV ISH-SC	IOP-3P32-HL-90C-SC	B332IUNVHEH-A	GE-332-MAX-H/ULTRA	N/A
49877	QHE 4X32T8/UNV ISH	IOP-4P32-HL-90C-G	N/A	GE-432-MAX-H/ULTRA	N/A
QUICKTRONIC® PROFESSIONAL 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS					
32 T8 Instant Start - Low Ballast Factor - Small Can - <10%THD					
49741	QTP 1x32T8/UNV ISL-SC	ICN-1P32-LWSC	N/A	N/A	EPL1/32IS/120-277
49743	QTP 2x32T8/UNV ISL-SC	ICN-2P32-LWSC	N/A	GE-232-MV-L	EPL2/32IS/120-277
49745	QTP 3x32T8/UNV ISL-SC	ICN-3P32-LWSC	N/A	GE-332-MV-L	EPL3/32IS/120-277
49747	QTP 4x32T8/UNV ISL-SC	ICN-4P32-LWSC	N/A	GE-432-MV-L	EPL4/32IS/120-277
32 T8 Instant Start - Normal Ballast Factor - Small Can - <10% THD					
49941	QTP 1x32T8/UNV ISN-SC	ICN-1P32-SC	B132IUNVHP-B	GE-132-MV-N	EP1/32IS/120-277
49943	QTP 2x32T8/UNV ISN-SC	ICN-2P32-SC	B232IUNVHP-B	GE-232-MV-N	EP2/32IS/120-277
49945	QTP 3x32T8/UNV ISN-SC	ICN-3P32-SC	B332IUNVHP-A	GE-332-MV-N	EP3/32IS/120-277
49947	QTP 4x32T8/UNV ISN-SC	ICN-4P32-SC	B432IUNVHP-A	GE-432-MV-N	EP4/32IS/120-277
32 T8 Instant Start - High Ballast Factor - Small Can - <10% THD					
49841	QTP 1x32T8/UNV ISH-SC	N/A	N/A	N/A	N/A
49843	QTP 2x32T8/UNV ISH-SC	N/A	N/A	GE-232-MV-H	N/A
49845	QTP 3x32T8/UNV ISH-SC	N/A	N/A	GE-332-MV-H	N/A
QUICKTRONIC® 32 T8 PROStart® PSX UNIVERSAL VOLTAGE SYSTEMS					
32 T8 Programmed Rapid Start - High Efficiency - Low Ballast Factor - <10%THD					
51420	QTP 1x32T8/UNV PSX-TC	IOP-1S32-LW-SC	N/A	N/A	N/A
51425	QTP 2x32T8/UNV PSX-TC	IOP-2S32-LW-SC	N/A	N/A	N/A
51430	QTP 3x32T8/UNV PSX-SC	IOP-3S32-LW-SC	N/A	N/A	N/A
51435	QTP 4x32T8/UNV PSX-SC	IOP-4S32-LW-SC	N/A	N/A	N/A
QUICKTRONIC® PROFESSIONAL 32 T8 PROStart® PSN UNIVERSAL VOLTAGE SYSTEMS					
32 T8 Programmed Rapid Start - Normal Ballast Factor - <10%THD					
51400	QTP 1x32T8/UNVPSN-TC	IOP-1S32-SC	B132PUNVHP-A	N/A	N/A
51405	QTP 2x32T8/UNVPSN-TC	IOP-2S32-SC	B232PUNVHP-A	N/A	N/A
51410	QTP 3x32T8/UNVPSN-SC	IOP-3S32-SC	B332PUNVHP-A	N/A	N/A
51415	QTP 4x32T8/UNVPSN-SC	IOP-4S32-SC	B432PUNVHP-A	N/A	N/A

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

QUICKCROSS

The smart electronics in SYLVANIA QUICKTRONIC® ballasts allow them to outperform the competition.

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)	GE	Howard
QUICKTRONIC® HIGH EFFICIENCY 32 T8 PROStart® UNIVERSAL VOLTAGE SYSTEMS					
32 T8 Programmed Rapid Start - High Ballast Factor (90°C Case Temperature - Parallel Operation)					
49450	QHE2x32T8/UNV-PSH-HT	N/A	N/A	GE-232-MV-PS-H	N/A
49453	QHE3x32T8/UNV-PSH-HT	N/A	N/A	GE-332-MV-PS-H	N/A
49455	QHE4x32T8/UNV-PSH-HT	N/A	N/A	GE-432-MV-PS-H	N/A
QUICKTRONIC® HIGH EFFICIENCY 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS					
32 T8 Instant Start - Normal Ballast Factor - UL Type CC - Lamp Striation Control/LSC					
49381	QHE1x32T8/UNV-ISN-SC-1	IOP-1P32-SC	N/A	GE-132-MAX-N/ULTRA	N/A
49383	QHE2x32T8/UNV-ISN-SC-1	IOP-2P32-SC	N/A	GE-232-MAX-N/ULTRA	N/A
49385	QHE3x32T8/UNV-ISN-SC-1	IOP-3P32-SC	N/A	GE-332-MAX-N/ULTRA	N/A
49387	QHE4x32T8/UNV-ISN-SC-1	IOP-4P32-SC	N/A	GE-432-MAX-N/ULTRA	N/A
QUICKTRONIC® HIGH EFFICIENCY 59 T8 & QUICKTRONIC® PROFESSIONAL 8 FOOT UNIVERSAL VOLTAGE					
59W F96 T8 Instant Start - Low Ballast Factor - <10% THD					
50239	QHE 2x59T8/UNV-ISL-SC	N/A	N/A	N/A	N/A
59W F96 T8 Instant Start - Normal Ballast Factor - <10% THD					
49859	QHE 2x59T8/UNV-ISN-SC	IOP-2P59-SC	N/A	GE-259-MAX-N/ULTRA	N/A
59W F96 T8 Instant Start - High Ballast Factor - <10% THD					
49879	QHE 2x59T8/UNV-ISH	N/A	N/A	N/A	N/A
59W F96 T8 Instant Start - Normal Ballast Factor - <10% THD - Universal Voltage					
49598	QTP 2X59T8/UNV ISN-SC	N/A	B259IUNVHP-A	GE-259-MV-N	N/A
QUICKTRONIC® HIGH EFFICIENCY 86 T8/HO (8 FOOT) PROSTART® UNIVERSAL VOLTAGE SYSTEMS					
86W F96 T8/HO (8 foot) PROStart® - Normal Ballast Factor -(90°C Case Temperature - Parallel Operation)					
50304	QHE 2x86T8HO/UNV-PSN-HT-SCL	ICN-2S86	N/A	N/A	N/A
QUICKTRONIC® HIGH EFFICIENCY, PROFESSIONAL & T8 INSTANT START 347 VOLT - CANADA					
32 T8 High Efficiency Instant Start- Normal Ballast Factor - Small Can - <10% THD					
49461	QHE 1x32T8/347 ISN-SC	N/A	N/A	N/A	N/A
49463	QHE 2x32T8/347 ISN-SC	N/A	N/A	N/A	N/A
49465	QHE 3x32T8/347 ISN-SC	N/A	N/A	N/A	N/A
49467	QHE 4x32T8/347 ISN-SC	N/A	N/A	N/A	N/A
32 T8 High Efficiency Instant Start- Low Ballast Factor - Small Can - <10% THD					
49471	QHE 1x32T8/347 ISL-SC	N/A	N/A	N/A	N/A
49473	QHE 2x32T8/347 ISL-SC	N/A	N/A	N/A	N/A
49475	QHE 3x32T8/347 ISL-SC	N/A	N/A	N/A	N/A
49477	QHE 4x32T8/347 ISL-SC	N/A	N/A	N/A	N/A
32 T8 Instant Start- Normal Ballast Factor - Small Can - <10% THD					
49711	QTP 1x32T8/347 ISN-SC	N/A	N/A	N/A	N/A
49713	QTP 2x32T8/347 ISN-SC	N/A	B2321347HP-A	N/A	N/A
32 T8 Instant Start- Low Ballast Factor - Small Can - <20% THD - Small Can/Standard "F" Can					
49241	QT 2x32T8/347 ISL-SC	GEL-2P32-LW-RH-TP (F-Can)	B2321347L-A	N/A	N/A
49939	QT 4x32T8/347 ISL-SC	N/A	N/A	N/A	N/A
32 T8 Instant Start- Normal Ballast Factor - Small Can - <20% THD - Small Can/Standard "F" Can					
49993	QT 3x32T8/347 ISN-SC	GEL-3P32-RH-TP (F-Can)	B3321347RH (F-Can)	N/A	E3/32IS/347 (F-Can)
49994	QT 4x32T8/347 ISN-SC	GEL-4P32-RH-TP (F-Can)	B4321347RH (F-Can)	N/A	E4/32IS-347 (F-Can)
32 T8 Instant Start- High Ballast Factor - Small Can - <20% THD					
49927	QT 2x32T8/347 ISH-SC	N/A	N/A	N/A	N/A
QUICKTRONIC® 59 T8 8 FOOT SYSTEM - 347 VOLT - CANADA					
59W F96 T8 Instant Start - Normal Ballast Factor - <20% THD					
49217	QT2x59/347IS	GEL-2P59	N/A	N/A	N/A

Electronic Ballast
Cross Reference Guide
QUICKCROSS

The smart electronics in SYLVANIA QUICKTRONIC® ballasts allow them to outperform the competition.

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)	Howard
QUICKTRONIC® PROFESSIONAL T5HO PROStart® UNIVERSAL VOLTAGE SYSTEMS				
T5 HO - Normal Ballast Factor - <10% THD - (Ballast Can Size varies between manufacturers - please refer to specifications for details)				
49111	QTP2x39-24T5HO/UNVPSN (1 Lamp) (14.17"L x 1.18"W x 0.87"H) (Mounting 13.74")	ICN-2S39 (1 Lamp) (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B239PUNV-D (1 Lamp) (16.88"L x 1.18"W x 1.0"H) (Mounting 16.28")	N/A
49111	QTP2x39-24T5HO/UNVPSN (FP39T5HO) (14.17"L x 1.18"W x 0.87"H) (Mounting 13.74")	ICN-2S39 (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B239PUNV-D (16.88"L x 1.18"W x 1.0"H) (Mounting 16.28")	N/A
49111	QTP2x39-24T5HO/UNVPSN (1 Lamp) (14.17"L x 1.18"W x 0.87"H) (Mounting 13.74")	ICN-2S24 (1 Lamp) (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B224PUNV-C (1 Lamp) (14.25"L x 1.18"W x 1.0"H) (Mounting 13.75")	N/A
49111	QTP2x39-24T5HO/UNVPSN (FP24T5HO) (14.17"L x 1.18"W x 0.87"H) (Mounting 13.74")	ICN-2S24 (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B224PUNV-C (14.25"L x 1.18"W x 1.0"H) (Mounting 13.75")	N/A
49131	QTP2x54T5HO/UNVPSN (16.73"L x 1.18"W x 0.87"H) (Mounting 16.34")	ICN-2S54 (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B254PUNV-D (16.88"L x 1.18"W x 1.0"H) (Mounting 16.28")	EP2/54HO/PRS/120-277 (16.7"L x 1.18"W x 1.0"H)
49151	QTP1x80T5HO/UNVPSN (14.17"L x 1.18"W x 0.87"H) (Mounting 13.74")	ICN-1S80 (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	ES4515K (16.65"L x 1.24"W x 1.0"H) (Mounting 16.3")	N/A
QUICKTRONIC® PROFESSIONAL T5 PROStart® UNIVERSAL VOLTAGE SYSTEMS				
28W T5 - Normal Ballast Factor - <10% THD - (Ballast Can Size varies between manufacturers - please refer to specifications for details)				
49181	QTP2x28T5/UNVPSN (1 Lamp)	ICN-2S28 (1 Lamp)	B228PUNV-C (1 Lamp)	N/A
49181	QTP2x28T5/UNVPSN (14.17"L x 1.18"W x 0.87"H) (Mounting 13.74")	ICN-2S28 (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B228PUNV-C (14.25"L x 1.18"W x 1.0"H) (Mounting 13.75")	N/A
QUICKTRONIC® PROStart® T5HO UNIVERSAL High Ambient Temp.				
T5 HO - Normal Ballast Factor - <10% THD - (Ballast Can Size varies between manufacturers - please refer to specifications for details)				
49136	QTP 2x54T5HO/UNV PSN HT	ICN-2S54-90C	B254PUNV-D	EP2/54HO/PRS/MV/90C
T5 HO - Normal Ballast Factor - <10% THD - (Ballast Can Size varies between manufacturers - please refer to specifications for details)				
49161	QTP 4x54T5HO/UNV PSN HTW	ICN-4S54-90C	B454PUNV-E	N/A
QUICKTRONIC® PROStart® T5HO 347-480V High Ambient Temp.				
T5 HO - Normal Ballast Factor - <10% THD - (Ballast Can Size varies between manufacturers - please refer to specifications for details)				
49146	QTP 2x54T5HO/347-480 PSN HT (16.73"L x 1.18"W x 1.0"H) (Mounting 16.34")	HCN-2S54-90C (16.70"L x 1.18"W x 1.0"H) (Mounting 16.34")	B254PHRV-E (16.88"L x 1.74"W x 1.18"H) (Mounting 16.28")	N/A

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)	GE	Howard
QUICKTRONIC® HIGH EFFICIENCY INSTANT START DL40 UNIVERSAL VOLTAGE SYSTEMS					
40W TT5 High Efficiency Instant Start - Small Can					
49428	QHE 1x40DL/UNV ISN-SC	N/A	N/A	N/A	N/A
49429	QHE 2x40DL/UNV ISN-SC	N/A	N/A	N/A	N/A
49430	QHE 3x40DL/UNV ISN-SC	N/A	N/A	N/A	N/A
QUICKTRONIC® PROFESSIONAL PROStart® DL40					
40W TT5 Programmed Rapid Start - Normal Ballast Factor - <10% THD					
50320	QTP1x40TT5/120PSN-F	REL-1TTS40	C240PUNVHP-B (1 Lamp)	C240PUNVHP-B (1 Lamp)	N/A
50330	QTP1x40TT5/277PSN-F	VEL-1TTS40	C240PUNVHP-B (1 Lamp)	C240PUNVHP-B (1 Lamp)	N/A
50340	QTP2x40TT5/120PSN-F	REL-2TTS40	C240PUNVHP-B	C240PUNVHP-B	N/A
50350	QTP2x40TT5/277PSN-F	VEL-2TTS40	C240PUNVHP-B	C240PUNVHP-B	N/A
50360	QTP3x40TT5/120PSN-B	N/A	N/A	N/A	N/A
50370	QTP3x40TT5/277PSN-B	N/A	N/A	N/A	N/A

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

QUICKCROSS

The smart electronics in SYLVANIA QUICKTRONIC® ballasts allow them to outperform the competition.

Item Number	OSRAM SYLVANIA	Advance	U.L.T.	ESI (Energy Savings Inc is out of business)	Robertson

QUICKTRONIC® PROFESSIONAL CF - UNIVERSAL VOLTAGE DUAL ENTRY

CF T4 PROStart® - Programmed Rapid Start - Normal Ballast Factor - <10%THD[1] -
CFL products run multiple lamp combinations and have various mounting/case styles - please refer to actual product specs.

Item Number	OSRAM SYLVANIA	Advance	U.L.T.	ESI	Robertson
51818	QTP 1/2x13CF/UNV	ICF-2S13-H1-LD	C213UNV-BE C213UNV-SE	ES-2/1-CFQ-13/10-UNV-C	PSM213CQMVB
51823	QTP 1/2x18CF/UNV	ICF-2S18-H1-LD ICF-2S18-H1-LD	C218UNV-BE C218UNV-SE	ES-2/1-CFQ-18-UNV-C ES-2/1-CFQ-18-UNV-D	PSM218CQMVB PSM218CQMV
51833	QTP 2x26CF/UNV	ICF-2S26-H1-LD	C2642UNV-SE	ES-2/1-CFQ-26-UNV-D	PSG242TRMV
51898	QTP 2x26CF/UNV PEM	ICF-2S26-H1-LD	C2642UNV-SE	ES-2/1-CFQ-26-UNV-D	PSG242TRMV
51843	QTP 2x26/32/42CF/UNV M	ICF-2S42-M2-LS ICF- 2S42-M2-LD	C242UNV-BE	ES-2-CFH-42/32/26-UNV-H	PSG242TRMVB
51863	QTP 2x26/32/42CF/UNV M PEM	ICF-2S42-M2-BS	C242UNV-BES	N/A	PSG242TRMVBS

CF T4 PROStart® - Programmed Rapid Start - Normal Ballast Factor - <10%THD[1] QTP CF models above replace gray shaded models below.
CFL products run multiple lamp combinations and have various mounting/case styles - please refer to actual product specs.

Item Number	OSRAM SYLVANIA	Advance	U.L.T.	ESI	Robertson
51718	QTP1/2x13CF/UNVBS	ICF-2S13-H1-LD	C213UNV-BE	ES-2/1-CFQ-13/10-UNV-C	PSM213CQMVB
51748	QTP1/2x13CF/UNVTS	ICF-2S13-H1-LD	C213UNV-SE	ES-2/1-CFQ-13/10-UNV-D	PSM213CQMV
51723	QTP1/2x18CF/UNVBS	ICF-2S18-H1-LD	C218UNV-BE	ES-2/1-CFQ-18-UNV-C	PSM218CQMVB
51753	QTP1/2x18CF/UNVTS	ICF-2S18-H1-LD	C218UNV-SE	ES-2/1-CFQ-18-UNV-D	PSM218CQMV
51733	QTP2x26CF/UNVBS	ICF-2S26-H1-LD	C2642UNV-BE	ES-2/1-CFQ-26-UNV-C	PSG242TRMVB
51763	QTP2x26CF/UNVTS	ICF-2S26-H1-LD	C2642UNV-SE	ES-2/1-CFQ-26-UNV-D	PSG242TRMV
51743	QTP2x26/32/42CF/UNVBM	ICF-2S42-M2-LS	C242UNV-BE	ES-2-CFH-42/32/26-UNV-H	PSG242TRMVB
51803	QTP2x26/32/42CF/UNVPM	ICF-2S42-M2-BS	C242UNV-BES	N/A	PSG242TRMVBS
51773	QTP2x26/32/42CF/UNVTM	ICF-2S42-M2-LD	C242UNV-SE	ES-2-CFH-42/32/26-UNV-G	N/A
51740	QTP1x57CF/UNVBM (1X57)	ICF-2S42-M2-LS	C242UNV-BE	N/A	N/A
51740	QTP1x57CF/UNVBM (1X70)	ICF-1Q70-M3-LD	C242UNV-BE	N/A	N/A
51800	QTP1x57CF/UNVPM (1X57)	ICF-2S42-M2-BS	C242UNV-BES	N/A	N/A
51800	QTP1x57CF/UNVPM (1X70)	ICF-1Q70-M3-BS	C242UNV-BES	N/A	N/A

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)

QUICKTRONIC® PROFESSIONAL 40T12

40 T12 Rapid Start - Normal Ballast Factor - <10% THD

Item Number	OSRAM SYLVANIA	Advance	U.L.T.
50684	QTP1x40T12/120RSN-SC	REL-1S40-SC (REL-1S40-RH-TP)	B140R120HP
50685	QTP1x40T12/277RSN-SC	VEL-2S40-SC (VEL-1S40-RH-TP)	B140R277HP
50686	QTP2x40T12/120RSN-SC	REL-2S40-SC , RCN-2S40, REL-2S40-RH-TP	B240R120HP
50687	QTP2x40T12/277RSN-SC	VEL-2S40-SC, VCN-2S40, VEL-2S40-RH-TP	B240R277HP
50688	QTP3x40T12/120RSN	REL-3S40-RH-TP	B340R120HP
50689	QTP3x40T12/277RSN	VEL-3S40-RH-TP	B340R277HP

QUICKTRONIC® 8 foot T12 Systems

96 T12 Instant Start - Normal Ballast Factor - Large Can - <20% THD

Item Number	OSRAM SYLVANIA	Advance	U.L.T.
49881	QT2x96/120IS	REL-2P60-S	B2601120RH
49882	QT2x96/277IS	VEL-2P75-S	B2601277RH

96 T12/HO Rapid Start - Normal Ballast Factor - Large Can - <20% THD

Item Number	OSRAM SYLVANIA	Advance	U.L.T.
49883	QT2x96/120HO	REL-2S110	B295SR120HP
49884	QT2x96/277HO	VEL-2S110	B295SR277HP

Electronic Ballast
Cross Reference Guide
QUICKCROSS

The smart electronics in SYLVANIA QUICKTRONIC® ballasts allow them to outperform the competition.

Item Number	OSRAM SYLVANIA POWERSENSE™ (2 wire Powerline & 0-10V) (120-277V)	Advance Mark 10 (2 wire) Powerline (Dedicated Voltage)	Mark 7 (0-10V) (120-277V)	U.L.T. (formerly Magnetek) Universal Lighting Technologies Ballastar (0-10V) (Dedicated Voltage)	Superdim (0-10V) (120-277V)	LUTRON Tu-wire (Powerline) (Dedicated Voltage)	Eco-10 TVE (0-10V) Models Only
QUICKTRONIC® POWERSENSE™ T8 DIMMING UNIVERSAL VOLTAGE							
32 T8 Dimming Systems - High Efficiency							
50705	QTP 1x32T8/UNV DIM-TC	REZ-132-SC (120V) VEZ-132-SC (277V)	IZT- 132-SC	B132R120V5 B132R277V5	ES5821B ES5835K ES5833B ES5818K	2W-T832-120-1	TVE-T832-120-1 TVE-T825-120-1 TVE-T817-120-1 TVE-T832-277-1
50707	QTP 2x32T8/UNV DIM-TC	REZ-2S32-SC(120V) VEZ-2S32-SC (277V)	IZT-2S32-SC	B232SR120V5 B232SR277V5	ES5822B ES5836K ES5834B ES5817K	2W-T832-120-2	TVE-T832-120-2 TVE-T832-277-2
50714	QTP 3x32T8/UNV DIM-TCL	REZ-3S32-SC (120V) VEZ-3S32-SC (277V)	IZT-3S32-SC	B332SR120V5 B332SR277V5			TVE-T832-120-3 TVE-T832-277-3
50716	QTP 4x32T8/UNV DIM-TCL		IZT-4S32	N/A B432P277V5-E			

Item Number	OSRAM SYLVANIA POWERSENSE™ (2 wire Powerline & 0-10V) (120-277V)	Advance Mark 10 (2 wire) Powerline (Dedicated Voltage)	Mark 7 (0-10V) (120-277V)	U.L.T. (formerly Magnetek) Universal Lighting Technologies Ballastar (0-10V) (Dedicated Voltage)	Superdim (0-10V) (120-277V)	LUTRON Tu-wire (Powerline) (Dedicated Voltage)	Eco-10 TVE (0-10V) Models Only
QUICKTRONIC® POWERSENSE™ T5 DIMMING UNIVERSAL VOLTAGE							
28 T5 Dimming Systems - High Efficiency							
50726	QTP 2x28T5/UNV DIM-TCL	N/A	N/A	ES5851K ES5861K ES5847K			E3 T514 C120 2 E3 T514 C 277 2 E3 T521 C 120 2 E3 T521 C 277 2 EC0-T528-120-2 ECO-T528-277-2

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)	Lutron
QUICKTRONIC® PROFESSIONAL 54 T5HO HELIOS™ DIMMING - A list of 0-10V controllers is available from OSRAM SYLVANIA				
54 T5 HO Dimming Systems (0-10Vdc control) - 100-1% Dimming Range -<10% THD at full output, <20% THD at full dim				
49671	QT1x54/120PHO-DIM	RZT-154	N/A	ECO T554-120-1
49672	QT1x54/277PHO-DIM	VZT-154	N/A	ECO T554-277-1
49673	QT2x54/120PHO-DIM	RZT-2S54	N/A	ECO T554-120-2
49674	QT2x54/277PHO-DIM	VZT-2S54	N/A	ECO T554-277-2

The smart electronics in SYLVANIA QUICKTRONIC® ballasts allow them to outperform the competition.

QUICKCROSS

QUICKTRONIC® PROFESSIONAL MH⁺

Item Number	OSRAM SYLVANIA	Advance	U.L.T. Universal Lighting Technologies (formerly Magnetek)	AROMAT	Hatch
METALARC® Metal Halide Universal Voltage - Operates Ceramic and Most Quartz MH Lamp					
51908	QTP1X20MH/UNV F	N/A	N/A	M2012-27CK-5EUF	MC20-1-F-UNIU
51909	QTP1X20MH/UNV J	N/A	N/A	M2012-27CK-5EUJ	MC20-1-J-UNIU
51968	QTP2X20MH/UNV F	N/A	N/A	N/A	MC20-2-F-UNNU
51969	QTP2X20MH/UNV J	N/A	N/A	N/A	MC20-2-J-UNNU
51910	QTP1X39MH/UNV F	IMH-50-A-LF	N/A	M3912-27CK-5EUF	MC39-1-F-UNIU
51911	QTP1X39MH/UNV J	IMH-50-A-BLS	N/A	M3912-27CK-5EUJ	MC39-1-J-UNIU
51970	QTP2X39MH/UNV F	IMH-239-A-LF	N/A	N/A	MC39-2-F-UNNU
51971	QTP2X39MH/UNV J	IMH-239-A-BLS	N/A	N/A	MC39-2-J-UNNU
51912	QTP1X70MH/UNV F	IMH-70-D-LF	EC70UNVSE	M7012-27CK-5EUF	MC70-1-F-UNIU
51913	QTP1X70MH/UNV J	IMH-70-D-BLS	EC70UNVBS	M7012-27CK-5EUJ	MC70-1-F-UNIU
51914	QTP1X100MH/UNV F	IMH-100-D-LF	EC100UNVSE	M10012-27CK-5EUF	MC100-1-F-UNIU
51915	QTP1X100MH/UNV J	IMH-100-D-BLS	EC100UNVBS	M10012-27CK-5EUJ	MC100-1-J-UNIU

QUICKTRONIC® MH⁺

Item Number	OSRAM SYLVANIA	Advance	Universal Lighting Technologies (formerly Magnetek)	AROMAT	Hatch	GE	Metrolight	Delta Power
METALARC® Metal Halide								
51958	QT1x20MH 120V SLIM	N/A	N/A	M2012CK-6EUN-F	MC20-1-F-120V	N/A	M20MH-UX-C	N/A
51959	QT1x20MH UNV SQ	N/A	N/A	M2012CK-6EU-F	MC20-1-F-UNNU	N/A	N/A	N/A
51960	QT1x39MH 120V SLIM	N/A	N/A	M3912CK-6EUN-F	N/A	N/A	M39MH-UX-C	N/A
51961	QT1x39MH UNV SQ	IMH-39-G-LF	N/A	M3912CK-6EU-F	MC39-1-F-UNNU	GEMH39-MSF-120	N/A	N/A
51962	QT1x70MH 120V SLIM	N/A	N/A	M7012CK-6EUN-F	MC70-1-F-120S	GEMH70-SLF-MV	N/A	N/A
51963	QT1x70MH 120V SQ	N/A	N/A	M7012CK-6EU-F	N/A	GEMH70-MSF-120	N/A	N/A
51930	QT1x150MH/UNV F	IMH-150-H-LF	EC150UNVASE	M15012-27CK-5EUN-F	N/A	N/A	M150MH-C-UX-US	N/A
51931	QT1x150MH/UNV J	IMH-150-H-BLS	EC150UNVABM	M15012-27CK-5EUN-J	N/A	N/A	M150MH-S-UX-US	N/A

QUICKTRONIC® HIGH EFFICIENCY MH⁺

Item Number	OSRAM SYLVANIA	Advance	Universal Lighting Technologies (formerly Magnetek)	GE	Metrolight	Delta Power
Electronic Metal Halide - 208-277V						
51980	QHE1X200MH 208-277V	IMH-200-C-LF	N/A	N/A	N/A	BA200M1A77DQ
51981	QHE1X250MH 208-277V	N/A	EP250MRVASE	GE-MH-400-MAX-208-277	N/A	BA250M1A77DQ
51982	QHE1X320MH 208-277V	IZTEMH4003PS	EP320MRVASE	GE-MH-400-MAX-208-277	M320MH-3-US-C-ND	BA320M1A77DQ
51983	QHE1X350MH 208-277V	IZTEMH4003PS	EP350MRVASE	GE-MH-400-MAX-208-277	M350MH-3-US-C-ND	BA350M1A77DQ
51984	QHE1X400MH 208-277V	IZTEMH4003PS	EP400MRVASE	GE-MH-400-MAX-208-277	M400MH-3-US-C-ND	BA400M1A77DQ

⁺ Line voltage, case sizes, wiring diagrams and performance specifications may vary; please refer to manufacturer's specifications.

NOTES FOR PRODUCT LINE GUIDE:

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.
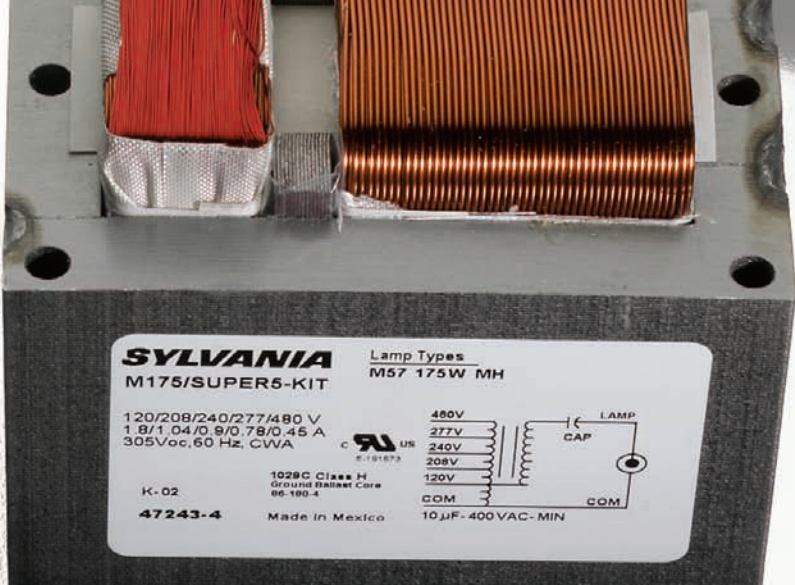
Magnetic Ballasts

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 — a handy 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

Complete performance data is available in the Magnetic Ballast Catalog and at www.sylvania.com.

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.

Magnetic HID Ballasts

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.

SYLVANIA

Magnetic Ballasts

Ease of Use

The Magnetic Section of the Product Line Guide provides our customers with OSRAM SYLVANIA product information as well as competitive manufacturers' cross reference catalog numbers. OSRAM SYLVANIA is focused on providing information to our customers, which will aid in the selection of the appropriate ballast for the desired application. The manufacturer's cross reference will help identify the proper ballast for the replacement of existing installed products.

OSRAM SYLVANIA customers can rely on one source for information on both lamps and ballasts. Having one source for lamps and ballasts reduces the time required for sorting out technical details and product specifications.

Magnetic Ballast Warranty

All SYLVANIA HID and Fluorescent Sign Ballasts are guaranteed for up to 2 years. SYLVANIA Fluorescent Ballasts are guaranteed for up to 3 years. For Magnetic Ballast Limited Warranty details, go to *www.sylvania.com*

On April 1, 2005 the 2000 Federal Ballast Efficacy Regulations to raise the minimum Ballast Efficacy Factor (BEF) for T12 fluorescent ballasts was implemented. The ruling affects only high power factor fluorescent ballasts for:

- One or two F40T12 and F40T12/U lamps operated on a 120 or 277V ballast

- Two F96T12 lamps operated on a 120 or 277V ballast

- Two F96T12HO lamps operated on a 120 or 277V ballast

On August 8, 2005, the Energy Policy Act of 2005 (EPAct 2005) was signed. EPAct 2005 addresses ballasts for reduced wattage T12 lamps not originally covered in the original 2000 Federal Ballast Efficacy Regulations. Minimum ballast efficacy standards for ballasts capable of operating full and reduced wattage F40T12, F40T12/U, F96T12 and F96T12HO lamps have been set in EPAct 2005. The levels set deadlines for the cessation of production of inefficient ballasts and the gradual phase out of replacement units.

Listed below is the essential timetable for the 2000 Federal Ballast Efficacy Regulations and EPAct 2005 for Fixture Manufacturers, Residential Markets and Distributors (Replacement Market).

Residential Market

T12 magnetic fluorescent normal power factor ballasts designed for residential applications were not affected by either ruling. However, ballasts sold must be marked *"For Residential Use Only"*.

FIXTURE MARKET (OEM)		
	2000 Federal Ballast Efficacy Regulation	EPAct 2005
Action	**2005 BEF Standards for Full-Wattage T12 Lamps (F40T12, F40T12/U, F96T12 and F96T12HO)**	**2009 BEF Standards for Energy-Saving T12 Lamps (F40T12, F40T12/U, F96T12 and F96T12HO)**
Ballast manufacturers can no longer make ballasts that do not pass the new requirements for use in new fixtures.	April 1, 2005	July 1, 2009
Ballast manufacturers cannot sell ballasts that do not pass the new requirements to U.S. fixture manufacturers.	July 1, 2005	October 1, 2009
Fixture manufacturers cannot sell fixtures that include ballasts that do not pass the new requirements.	April 1, 2006	July 1, 2010

SYLVANIA

DISTRIBUTOR / REPLACEMENT MARKET

2000 Federal Ballast Efficacy Regulations

Ballast manufacturers can manufacture and sell to Distributors fluorescent ballasts for Full-Wattage F40T12, F40T12/U, F96T12 and F96T12HO that do not meet the minimum Ballast Efficacy Factor (BEF) until July 1, 2010. However, the ruling stipulates these ballasts must meet the following criteria:

- Ballasts must be marked
  "For Replacement Use Only"
- Ballasts are only available
  with short leads
- Ballasts are to be contained in
  packages not exceeding ten ballasts

EPAct 2005
Magnetic Fluorescent Ballasts

On July 1, 2009 EPAct 2005 states that ballast manufacturers can manufacture and sell to Distributors fluorescent ballasts for Energy-Saving F40T12, F40T12/U, F96T12 and F96T12HO that do not meet the minimum Ballast Efficacy Factor (BEF) until July 1, 2010. As of July 1, 2009 energy-saving T12 ballasts manufactured and sold for replacement use must also meet the requirements listed above.

Mercury Vapor Ballasts

EPACT 2005 also states that Mercury Vapor Ballasts cannot be manufactured after January 1, 2008. Complete information on EPAct 2005 is available in The Impact of EPAct 2005 brochure and at www.sylvania.com

OSRAM SYLVANIA will continue to supply the Magnetic Fluorescent Ballasts listed below for T12 lamps until July 1, 2010 (for replacement purposes only):

Item #	OSRAM SYLVANIA Description*	Page #
48011	MB1x40/120RS-SRNK	28
48120	MB1x40/277RS-SRNK	28
48001	MB2x40/120RS-SRNK	28
48121	MB2x40/277RS-SRNK	28
48025	MB2x96/HO/120RS-SRNK	28
48027	MB2x96/HO/277RS-SRNK	28
48018	MB2x96/120IS-SRNK	29
48126	MB2x96/277IS-SRNK	29

*These ballasts will all be labeled *"For Replacement Use Only"*, have shorter lead lengths and are individually shrink-wrapped.

OSRAM SYLVANIA is committed to understanding your lighting needs by offering a variety of lighting solutions. For additional product or industry information contact 1-800-LIGHTBULB or visit our website at www.sylvania.com.

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	No. of Lamps	Lamp Types	Input Power (Watts)[1]	Advance Catalog #[2]	Universal Lighting Technologies* Catalog #[2]	Valmont Catalog #[2]
T8 RAPID START								
F017T8 Rapid Start - High Power Factor								
48312	MB1x17/120RS	120	1	**F017T8**, FB016T8/U	31	R1P817TP	707TCP	8G4177W
F025T8 or F032T8 Rapid Start - High Power Factor								
48096	MB1x25/32/120RS-LW	120	1	**F032T8**, FB032T8/U, FB031T8/U, F025T8, FB024T8/U, F040T8	35	---	M132R120[4]	---
48240	MB1x25/32/120RS-SRNK	120	1	**F032T8**, FB032T8/U, FB031T8/U, F025T8, FB024T8/U, F040T8	44	R1P825TP[4] & R1P32TP Mark III[4]	727LTCP[4] & M132R120[4]	---
48241	MB1x25/32/277RS-SRNK	277	1	**F032T8**, FB032T8/U, FB031T8/U, F025T8, FB024T8/U, F040T8	43	V1P825TP[4] & V1P32TP Mark III[4]	728LTCP[4] & M132R277C[4]	---
48242	MB2x25/32/120RS-SRNK	120	2	**F032T8**, FB032T8/U, FB031T8/U, F025T8, FB024T8/U	74	R2P825TP[4] & R2P32TP Mark III[4]	731LTCP[4] & M232SR120C[4]	8G4126W18
48243	MB2x25/32/277RS-SRNK	277	2	**F032T8**, FB032T8/U, FB031T8/U, F025T8, FB024T8/U	75	V2P825TP[4] & V2P32TP Mark III[4]	732LTCP[4] & M232SR277C[4]	8G4136W18
T12 RAPID START								
F30T12 Rapid Start - High Power Factor								
48409	MB2x30/120RS-SRNK	120	2	**F30T12, F25T12/SS**	80, 70	R2SP30TP Mark III	573LTCP	8G3971W
48410	MB2x30/277RS-SRNK	277	2	**F30T12, F25T12/SS**	80, 70	V2SP30TP Mark III	588LTCP	8G3972W
48397	MB2x30/40/120RS	120	2	**F30T12, F25T12/SS**, F40T10, FC12T9 & FC16T9	66, 57	RC2SP40TP	W589DTCP	---
F40T12 Rapid Start - High Power Factor								
48011 ▲	MB1x40/120RS-SRNK	120	1	**F40T12, F34T12†**, FB34T12/U, FB40T12/U, F40T10, F30T12	50, 44	R140TP Mark III	412LSLHTCP	8G1074W
48120 ▲	MB1x40/277RS-SRNK	277	1	**F40T12, F34T12†**, FB34T12/U, FB40T12/U, F40T10, F30T12	50, 44	V140TP Mark III	458LSLHTCP	8G1084W
48001 ▲	MB2x40/120RS-SRNK	120	2	**F40T12, F34T12**, FB34T12/U, FB40T12/U, F40T10	87, 73	R2S40TP Mark III	446LSLHTCP	8G1024W
48121 ▲	MB2x40/277RS-SRNK	277	2	**F40T12, F34T12**, FB34T12/U, FB40T12/U, F40T10	89, 77	V2S40TP Mark III	443LSLHTCP	8G1034W
F40T12 Rapid Start - Normal Power Factor - For Residential Use Only								
48210	MB1x40/120RES-SRNK	120	1	**F40T12**, F30T12, FC12T9, FC16T9	31	RL140TP	413CTCP	8G1075
T12/HO RAPID START								
F96T12/HO Rapid Start - High Power Factor								
48127	MB1x96/HO/120RS-SRNK	120	1	**F96T12/HO, F96T12/HO/SS(95W),** F84T12/HO, F72T12/HO, F64T12/HO, F60T12/HO, F48T12/HO, F42T12/HO, F36T12/HO, F30T12/HO, F24T12/HO, F18T12/HO	136, 117	RS110TP	481LHTCP	8G3900W
48128	MB1x96/HO/277RS-SRNK	277	1	**F96T12/HO, F96T12/HO/SS(95W),** F84T12/HO, F72T12/HO, F64T12/HO, F60T12/HO, F48T12/HO, F42T12/HO, F36T12/HO, F30T12/HO, F24T12/HO, F18T12/HO	138, 122	VS110TP	479LHTCP	8G4200WF
48025 ▲	MB2x96/HO/120RS-SRNK	120	2	**F96T12/HO, F96T12/HO/SS(95W),** F84T12/HO, F72T12/HO, F64T12/HO, F60T12/HO, F48T12/HO, F42T12/HO, F36T12/HO, F30T12/HO, F24T12/HO, F18T12/HO	243, 211	R2S110TP Mark III	480SLHTCP	8G1144W
48027 ▲	MB2x96/HO/277RS-SRNK	277	2	**F96T12/HO, F96T12/HO/SS(95W),** F84T12/HO, F72T12/HO, F64T12/HO, F60T12/HO, F48T12/HO, F42T12/HO, F36T12/HO, F30T12/HO, F24T12/HO, F18T12/HO	242, 218	V2S110TP Mark III	487SLHTCP	8G1154W
48151	MB1/2x48/96/HO/120RS-SRNK/IN	120	1 or 2	**F48T12/HO,** F96T12/HO, F72T12/HO, F60T12/HO, F84T12/HO, F36T12/HO, F24T12/HO	154	RS110TP	490XLHTCP	---
T12/HO SIGN BALLASTS								
T12/HO Rapid Start								
48225	MSB-12-0412-TP	120	1-2	Any T12/HO, (800mA) lamp within quantity of lamp and lamp length requirements.[3]	182	ASB-0412-12-BL-TP	USB-0412-12	6G3901WF
48226	MSB-24-0620-TP	120	2-4	Any T12/HO, (800mA) lamp within quantity of lamp and lamp length requirements.[3]	282	ASB-0620-24-BL-TP	USB-0816-14	6G3814WF
48227	MSB-24-1224-TP	120	2-4	Any T12/HO, (800mA) lamp within quantity of lamp and lamp length requirements.[3]	290	ASB-1224-24-BL-TP	USB-1024-14	6G3959WF
48228	MSB-24-2040-TP	120	2-4	Any T12/HO, (800mA) lamp within quantity of lamp and lamp length requirements. See wiring diagram for further wiring instructions.[3]	471	ASB-2040-24-BL-TP	USB-1632-24	6G3782WF
48229	MSB-46-1240-TP	120	4-6	Any T12/HO, (800mA) lamp within quantity of lamp and lamp length requirements. See wiring diagram for further wiring instructions.[3]	466	ASB-1240-46-BL-TP	USB-2036-46	6G3787AWF
48232	MSB-46-2448-TP	120	4-6	Any T12/HO, (800mA) lamp within quantity of lamp and lamp length requirements. See wiring diagram for further wiring instructions.[3]	588	ASB-2448-46-BL-TP	USB-2048-46	6G3942AW

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	No. of Lamps	Lamp Types	Input Power (Watts)[1]	Advance Catalog #[2]	Universal Lighting Technologies* Catalog #[2]	Valmont Catalog #[2]
J-BOX COVER								
For Sign & F-Can Ballasts								
48275	JBox Cover					PC-875W	---	---
T12/VHO RAPID START								
F96T12/VHO Rapid Start - High Power Factor								
48129	MB1x96/VHO/120RS-SRNK	120	1	**F96T12/VHO, F96T12/VHO/SS(195W),** F72T12/VHO, F60T12/VHO, F48T12/VHO	218, 200	RC2S102TP[4]	951STCP	8G3927WF
48130	MB1x96/VHO/277RS-SRNK	277	1	**F96T12/VHO, F96T12/VHO/SS(195W),** F72T12/VHO, F60T12/VHO, F48T12/VHO	212, 192	VC2S102TP[4]	957STCP	8G3990WF
48131	MB2x96/VHO/120RS-SRNK	120	2	**F96T12/VHO, F96T12/VHO/SS(195W),** F72T12/VHO, F60T12/VHO, F48T12/VHO	452, 408	RS2S200TP	930KTCP	8G1201W
48132	MB2x96/VHO/277RS-SRNK	277	2	**F96T12/VHO, F96T12/VHO/SS(195W),** F72T12/VHO, F60T12/VHO, F48T12/VHO	423, 380	VS2S200TP	937KTCP	8G1211W
T9 CIRCLINE RAPID START								
FC8T9 Circline Rapid Start - Normal Power Factor								
48230	MB1x22/120CIRC-SRNK	120	1	**FC8T9**	29	RLQS122TPW	547RSWSTCP	8G1091G11
FC12T9 or FC16T9 Circline Rapid Start - Normal Power Factor								
48231	MB1x32/120CIRC-SRNK	120	1	**FC12T9,** FC16T9	31	RLCS140TPW	445RSWSTCP	8G1085G11
48210	MB1x40/120RES-SRNK	120	1	**FC12T9, FC16T9,** F40T12, F30T12	31, 32	RL140TP	---	---
FC12T9 & FC16T9 Circline Rapid Start - High Power Factor								
48397	MB2x30/40/120RS	120	2	**FC12T9 & FC16T9,** F40T10, F30T12, F25T12/SS	71	---	---	---
T12 INSTANT START SLIMLINE								
F48T12 Instant Start - High Power Factor								
48122	MB2x48/120IS-SRNK	120	2	**F48T12, F48T12/SS(32W)**	87, 78	SM2E40STP	213TCP	8G1600W
48123	MB2x48/277IS-SRNK	277	2	**F48T12, F48T12/SS(32W)**	88, 81	VSM2E40STP	532BRTCP	8G1710W
F96T12 Instant Start - High Power Factor								
48124	MB1x96/120IS-SRNK	120	1	**F96T12, F96T12/SS(60W),** F84T12, F72T12, F64T12, F60T12	101, 87	RSM175STP	822BRTCP	8G1762W
48125	MB1x96/277IS-SRNK	277	1	**F96T12, F96T12/SS(60W),** F84T12, F72T12, F64T12, F60T12	101, 86	VSM175STP	828BRTCP	8G1764W
48018 ▲	MB2x96/120IS-SRNK	120	2	**F96T12, F96T12/SS(60W),** F84T12, F72T12, F64T12, F60T12	160, 135	R2E75STP Mark III	806SLHTCP	8G1004W
48126 ▲	MB2x96/277IS-SRNK	277	2	**F96T12, F96T12/SS(60W),** F84T12, F72T12, F64T12, F60T12	162, 140	V2E75STP Mark III	827SLHTCP	8G1014W
T5, T8 and T12 PREHEAT START								
F8T5 Preheat Start - Normal Power Factor								
48475	MB1x8/120PH/TP/S-SRNK	120	1	**F8T5,** F4T5, F6T5	10	LSX113TP[4]	---	89G489
F20T12 Preheat Start - Normal Power Factor								
48201	MB1x20/120PH/TP	120	1	**F20T12,** F14T8, F14T12, F15T8, F15T12	22	LC1420CTP	200H2P	---
48202	MB1x20/120PH	120	1	**F20T12,** F14T8, F14T12, F15T8, F15T12	22	LC1420C	200H2	89G457
T8 and T12 TRIGGER START								
F15T12 Trigger Start - Normal Power Factor								
48200	MB1x15/120PH/TP-SRNK	120	1	**F15T12,** F14T8, F14T12, F15T8, F20T12	33	RLQ120TP	546BTCP	8G3560
F20T12 Trigger Start - Normal Power Factor								
48203	MB2x20/120PH/TP-SRNK	120	2	**F20T12,** F14T8, F14T12, F15T8, F15T12	41	RL2SP20TP	447LRTCP	8G3912

* Formerly MagneTek Lighting

▲ For Replacement Use Only

† Operating only 1 Energy Saver lamp on this ballast may effect the operation and life of the lamp. Consult individual lamp manufacturer for lamp specifications

1: Input Power (Watts) for primary lamp type and SUPERSAVER® equivalent, (where applicable). Primary lamp type and SUPERSAVER® equivalent in bold print.

2: This product line guide is intended as an aid for identifying comparable products for the lamp types 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.

3: Refer to SYLVANIA Sign Ballast Specification Sheet for detailed lamp configuration. Maximum Input Power (Watts) are listed.

4: Nearest Equivalent - Performance specifications may vary, please refer to manufacturer's specifications.

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

TRADEMARKS:

SYLVANIA, OCTRON, ICETRON, CURVALUME, METALARC, PENTRON, PROSTART, QUICKSENSE, QUICK 60+, LUMALUX, SUPERSAVER, FIXTURESIDE ASSISTANCE, ECOLOGIC, XP, XPS and ⎍〰〰〰 the system solution® are registered trademarks of OSRAM SYLVANIA Inc. POWERSENSE, and HELIOS are trademarks of OSRAM SYLVANIA Inc. QUICKTRONIC, OPTOTRONIC, DULUX and HQI are registered trademarks of OSRAM GmbH used under license. All other trademarks are those of their respective owners.

SPECIFICATIONS:

Information in this guide is subject to change at anytime without prior notice.

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
47035	M175/480-KIT	480	CWA	210	71A5540 & 71A5540-001D	---	---	---
47253	M175/480/120T-KIT	480/120TAP	CWA	210	71A5540T	M17548TAC3M & M17548TAC3M-500K	---	---
47254	M175/120/277-KIT	120/277	CWA	210	71A5580	---	---	---
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
47611	M250/480-KIT	480	CWA	290	71A5740 & 71A5740-001D	---	---	M025011C211
47268	M250/480/120T-KIT	480/120TAP	CWA	290	71A5740T	M25048TAC4M & M25048TAC4M-500K	V90Y6212TK	M025029C211
47049	M250/MULTI 3X4-KIT	120/208/ 240/277	CWA	294	71A5791 & 71A5771-001D	M250MLTAC3M & M250MLTAC3M-500K	V90D6211K	M025071C212
47050	M250/480-3X4-KIT	480	CWA	294	71A5741 & 71A5741-001D	---	V90Y6211K	M025011C212
400W Metal Halide Lamp or 360W Metal Halide Lamp[10] - 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
47394	M400/480/120T-KIT	480/120TAP	CWA	458	71A6041T	M40048TAC4M & M40048TAC4M-500K	V90Y6413TK	M040029C211
47075	M2x400/120/240-KIT	120/240	CWA	880	---	---	---	---
1000W Metal Halide Lamp - ANSI Code M47								
47427	M1000/SUPER5-KIT	120/208/ 240/277/480	CWA	1080	71A6552[6] & 71A6552-001[6]	M1000ML5AC5M & M1000ML5AC5M-500K	V90AM6514K	---
47744	M1000/MULTI-KIT	120/208/ 240/277	CWA	1080	71A6592[6] & 71A6572-001[6]	M1000MLTAC5M & M1000MLTAC5M-500K	V90D6514K	M0100071C212
47655	M1000/480-KIT	480	CWA	1080	71A6542[6] & 71A6542-001[6]	M1000480AC5M & M1000480AC5M-500K	---	M0100011C212
47432	M1000/480/120T-KIT	480/120TAP	CWA	1080	71A6542T[6]	M100048TAC5M & M100048TAC5M-500K	V90Y6514TK	---
1500W Metal Halide Lamp - ANSI Code M48								
46808	M1500/MULTI-KIT	120/208/ 240/277	CWA	1605	71A6792[6] & 71A6772-001[6]	M1500MLTAC5M & M1500MLTAC5M-500K	V90D6612K	M0150071C212
47095	M1500/480-KIT	480	CWA	1605	71A6742[6] & 71A6742-001[6]	M1500480AC5M & M1500480AC5M-500K	---	M0150011C212
47434	M1500/480/120T-KIT	480/120TAP	CWA	1605	---	M150048TAC5M & M150048TAC5M-500K	V90Y6612TK	---
METALARC® METAL HALIDE PULSE START CORE & COIL BALLAST KITS								
35W Metal Halide Pulse Start Lamp - ANSI Code M130								
47001	M35/MULTI-HQ/CI-KIT	120/208/ 240/277	CWA	58	---	---	---	---
47203	M35/120/277-KIT	120/277	HX-HPF	54	71A5081	---	---	---
50W Metal Halide Pulse Start Lamp - ANSI Code M110								
47007	M50/MULTI-KIT	120/208/ 240/277	HX-HPF	67	---	M50MLTLC3M & M50MLTLC3M-500K	V90D5731K	---
47204	M50/120/277-KIT	120/277	HX-HPF	67	71A5181 & 71A5181-001D	---	V90H5731K	---
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	---
47217	M70/120/277-KIT	120/277	HX-HPF	95	71A5282	---	V90H5832K	---
70W Metal Halide Pulse Start Lamp - ANSI Code M98 or M139 or M85								
47645	M70/MULTI-HQ/CI-KIT	120/208/ 240/277	CWA	95	---	---	V90D5810K	---
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
47219	M100/120/277-KIT	120/277	HX-HPF	130	71A5380	---	V90H5932K	---

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

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]
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	---
47228	M150/120/277-PS-KIT	120/277	HX-HPF	185	71A5482	---	---	---
150W Metal Halide Pulse Start Lamp - ANSI Code M102 or M142								
47640	M150/MULTI-PS-CWA-KIT	120/208/ 240/277	CWA	189	---	---	V90D7110K	---
150W Metal Halide Pulse Start Lamp - ANSI Code M81								
47229	M150/MULTI-KIT	120/208/ 240/277	HX-HPF	185	71A5490	M150MLTLC3D & M150MLTLC3D-500K	---	---
175W Metal Halide Pulse Start Lamp - ANSI Code M137 or M152								
47686	M175/MULTI-PS-KIT	120/208/ 240/277	CWA	208	71A5593 & 71A5593-001D	P175MLTAC3M & P175MLTAC3M-500K	V90D7210K	---
46801	M175/480-PS-KIT	480	CWA	208	---	---	---	---
200W Metal Halide Pulse Start Lamp - ANSI Code M136								
47690	M200/MULTI-PS-KIT	120/208/ 240/277	CWA	232	71A5692 & 71A5692-001D	P200MLTAC3M & P200MLTAC3M-500K	V90D7310K	M020071C611
46802	M200/480-PS-KIT	480	CWA	232	---	---	---	M020011C611
47259	M200/480/120T-PS-KIT	480/120TAP	CWA	232	71A5642T	P20048TAC3M & P20048TAC3M-500K	V90Y7310TK	M020029C611
250W HQI Metal Halide Lamp - ANSI Code M80								
47273	M250/120/277-KIT	120/277	HX-HPF	290	71A5880	---	---	---
250W Metal Halide Pulse Start Lamp - ANSI Code M138 or M153								
47282	M250/SUPER5-PS-KIT	120/208/ 240/277/480	CWA	288	---	P250ML5AC4M	---	---
47112	M250/MULTI-PS-KIT	120/208/ 240/277	CWA	288	71A5792 & 71A5792-001D	P250MLTAC4M & P250MLTAC4M-500K	V90D8410K	M025071C611
47106	M250/480-PS-KIT	480	CWA	288	---	---	---	---
47283	M250/480/120T-PS-KIT	480/120TAP	CWA	288	71A5742T	P25048TAC4M & P25048TAC4M-500K	---	---
320W Metal Halide Pulse Start Lamp - ANSI Code M132 or M154								
47676	M320/MULTI-PS-KIT	120/208/ 240/277	CWA	368	71A5892 & 71A5892-001D	P320MLTAC4M & P320MLTAC4M-500K	V90D7411K	M032071C611
46803	M320/480-PS-KIT	480	CWA	368	---	---	---	---
47303	M320/480/120T-PS-KIT	480/120TAP	CWA	368	71A5842T & 71A5842-001DT	P32048TAC4M & P32048TAC4M-500K	V90Y7411TK	---
350W Metal Halide Pulse Start Lamp - ANSI Code M131								
47695	M350/MULTI-PS-KIT	120/208/ 240/277	CWA	400	71A5993 & 71A5993-001D	P350MLTAC4M & P350MLTAC4M-500K	V90D7512K	M035071C611
47697	M350/480-PS-KIT	480	CWA	400	---	---	---	---
47337	M350/480/120T-PS-KIT	480/120TAP	CWA	400	71A5943T	P35048TAC4M & P35048TAC4M-500K	V90Y7512TK	---
400W Metal Halide Pulse Start Lamp - ANSI Code M155 or M135								
47400	M400/SUPER5-PS-KIT	120/208/ 240/277/480	CWA	452	---	P400ML5AC4M	---	---
47132	M400/MULTI-PS-KIT	120/208/ 240/277	CWA	452	71A6092 & 71A6092-001D	P400MLTAC4M & P400MLTAC4M-500K	V90D7612K	M040071C611
47138	M400/480-PS-KIT	480	CWA	452	---	---	---	M040011C611
47403	M400/480/120T-PS-KIT	480/120TAP	CWA	452	71A6042T	P40048TAC4M & P40048TAC4M-500K	V90Y7612TK	M040029C611
450W Metal Halide Pulse Start Lamp - ANSI Code M144								
47405	M450/MULTI-PS-KIT	120/208/ 240/277	CWA	508	71A6393	P450MLTAC4M & P450MLTAC4M-500K	V90D8512K	---
46804	M450/480-PS-KIT	480	CWA	505	---	---	---	---
47408	M450/480/120T-PS-KIT	480/120TAP	CWA	505	71A6343T	P45048TAC4M & P45048TAC4M-500K	V90Y8511TK	---
750W Metal Halide Pulse Start Lamp - ANSI Code M149								
47717	M750/MULTI-PS-KIT	120/208/ 240/277	CWA	818	71A64E2[6,7]	P750MLTAC5M & P750MLTAC5M-500K	V90D7910K	---
47409	M750/120/277/347/480-PS-KIT	120/277/ 347/480	CWA	818	71A64F2T[6,7]	---	V90J7910K[7]	---
47718	M750/480-PS-KIT	480	CWA	818	---	---	---	---
1000W HQI® Metal Halide Lamp								
47089	M1000/120/277/347/480-HQI-RL	120/208/240/277	Reg. Lag	1150	---	---	---	---
1000W Metal Halide Pulse Start Lamp - ANSI Code M141								
47416	M1000/MULTI-PS-KIT	120/208/ 240/277	CWA	1080	71A6593[6]	P1000MLTAC5M & P1000MLTAC5M-500K	V90D7810K	---
47417	M1000/120/277/347/480-PS-KIT	120/277/347/480	CWA	1080	71A65F3T[6,7]	---	V90J7810K[7]	---
46805	M1000/480-PS-KIT	480	CWA	1080	---	---	---	---
2000W HQI® Metal Halide Lamp								
47090	M2000/277/347/480-HQI-RL	277/347/480	Reg. Lag	2200	---	---	---	---

Product Line Guide - 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]
LUMALUX® HIGH PRESSURE SODIUM CORE & COIL REACTOR BALLASTS								
35W High Pressure Sodium Lamp - ANSI Code S76								
47269	LU35/120R	120	R-NPF	45	71A7707	1233-251U	---	---
47537	LU35/120R-INT[5]	120	R-NPF	45	71A7707B	---	---	---
50W High Pressure Sodium Lamp - ANSI Code S68								
47274	LU50/120R	120	R-NPF	60	71A7807	1233-35U	---	---
47548	LU50/120R-INT[5]	120	R-NPF	60	71A7807B	---	---	---
70W High Pressure Sodium Lamp - ANSI Code S62								
47284	LU70/120R	120	R-NPF	81	71A7907	1233-142U	---	---
47558	LU70/120R-INT[5]	120	R-NPF	81	71A7907B	---	---	---
100W High Pressure Sodium Lamp - ANSI Code S54								
47304	LU100/120R	120	R-NPF	120	71A8007	1233-10U	---	---
47585	LU100/120R-INT[5]	120	R-NPF	120	71A8007B	---	---	---
150W High Pressure Sodium Lamp - ANSI Code S55								
47319	LU150/120R	120	R-NPF	170	71A8107	1233-154U	---	---
47616	LU150/120R-INT[5]	120	R-NPF	170	71A8107B	---	---	---
LUMALUX® HIGH PRESSURE SODIUM CORE & COIL BALLAST KITS								
35W High Pressure Sodium Lamp - ANSI Code S76								
47271	LU35/120/240-KIT	120/240	HX-HPF	47	---	---	---	---
50W High Pressure Sodium Lamp - ANSI Code S68								
47549	LU50/120/277-KIT	120/277	HX-HPF	66	71A7801 & 71A7801-001D	---	V90H1132K	S005023C511
70W High Pressure Sodium Lamp - ANSI Code S62								
47301	LU70/MULTI-KIT	120/208/ 240/277	HX-HPF	91	71A7991 & 71A7971-001D	S70MLTLC3M & S70MLTLC3M-500K	V90D1233K	S007071C511
47579	LU70/480-KIT	480	HX-HPF	91	71A7941	---	---	---
47571	LU70/120/277-KIT	120/277	HX-HPF	91	71A7901	---	---	---
100W High Pressure Sodium Lamp - ANSI Code S54								
47316	LU100/MULTI-KIT	120/208/ 240/277	HX-HPF	128	71A8091 & 71A8071-001D	S100MLTLC3M & S100MLTLC3M-500K	V90D1333K	S010071C511
47593	LU100/480-KIT	480	HX-HPF	128	71A8041 & 71A8041-001D	---	---	---
47592	LU100/120/277-KIT	120/277	HX-HPF	128	71A8001	---	---	---
150W High Pressure Sodium Lamp - ANSI Code S55								
47335	LU150/MULTI-KIT	120/208/ 240/277	HX-HPF	188	71A8192 & 71A8172-001D	S150MLTLC3M & S150MLTLC3M-500K	V90D1435K	S015071C511
47619	LU150/480-KIT	480	HX-HPF	188	71A8142 & 71A8142-001D	---	---	---
47621	LU150/480/120T-KIT	480/120TAP	HX-HPF	188	71A8142T	S15048TLC3M & S15048TLC3M-500K	---	---
47617	LU150/120/277-KIT	120/277	HX-HPF	188	71A8102	---	---	---
47623	LU150/480-CWA-KIT	480	CWA	185	71A8148	---	---	---
200W High Pressure Sodium Lamp - ANSI Code S66								
47628	LU200/MULTI-KIT	120/208/ 240/277	CWA	230	71A8990 & 71A8970-001D	S200MLTAC4M & S200MLTAC4M-500K	V90D1610K	---
47631	LU200/480-KIT	480	CWA	230	71A8940 & 71A8940-001D	---	---	---
250W High Pressure Sodium Lamp - ANSI Code S50								
47634	LU250/SUPER5-KIT	120/208/ 240/277/480	CWA	295	71A8251 & 71A8251-001D	S250ML5AC4M & S250ML5AC4M-500K	---	S025081C211
47357	LU250/MULTI-KIT	120/208/ 240/277	CWA	295	71A8291 & 71A8271-001D	S250MLTAC4M & S250MLTAC4M-500K	V90D1711K	S025071C211
47358	LU250/480-KIT	480	CWA	295	71A8241 & 71A8241-001D	---	---	---
47637	LU250/480/120T-KIT	480/120TAP	CWA	295	71A8241T	S25048TAC4M & S25048TAC4M-500K	---	---
47642	LU250/120/277-KIT	120/277	CWA	295	71A8281	---	---	---

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]
310W High Pressure Sodium Lamp - ANSI Code S67								
47643	LU310/MULTI-KIT	120/208/ 240/277	CWA	355	71A8391 & 71A8371-001D	---	V90D1810K	---
47644	LU310/480-KIT	480	CWA	355	71A8341	---	---	---
400W High Pressure Sodium Lamp - ANSI Code S51								
47647	LU400/SUPER5-KIT	120/208/ 240/277/480	CWA	464	71A8453 & 71A8453-001D	S400ML5AC4M & S400ML5AC4M-500K	---	---
47364	LU400/MULTI-KIT	120/208/ 240/277	CWA	464	71A8493 & 71A8473-001D	S400MLTAC4M & S400MLTAC4M-500K	V90D1911K & V90D1912K	S040071C211
47376	LU400/480-KIT	480	CWA	464	71A8443 & 71A8443-001D	---	---	S040011C211
47657	LU400/480/120T-KIT	480/120TAP	CWA	464	71A8443T	S40048TAC4M & S40048TAC4M-500K	---	---
47656	LU400/120/277-KIT	120/277	CWA	464	---	---	---	---
750W High Pressure Sodium Lamp - ANSI Code S111								
47712	LU750/MULTI-KIT	120/208/ 240/277	CWA	830	71A86E5[6,7]	---	---	---
47658	LU750/480-KIT	480	CWA	830	---	---	---	---
1000W High Pressure Sodium Lamp - ANSI Code S52								
47659	LU1000/SUPER5-KIT	120/208/ 240/277/480	CWA	1100	71A8753[6] & 71A8753-001[6]	S1000ML5AC5M & S1000ML5AC5M-500K	---	---
47389	LU1000/MULTI-KIT	120/208/ 240/277	CWA	1100	71A8793[6] & 71A8773-001[6]	S1000MLTAC5M & S1000MLTAC5M-500K	V90D2311K	S100071C211
47391	LU1000/480-KIT	480	CWA	1100	71A8743[6] & 71A8743-001[6]	---	---	S100011C211

METALARC® METAL HALIDE F-CAN HID BALLASTS

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]
175W Metal Halide Lamp - ANSI Code M57								
47743	M175/120/277/F-CAN	120/277	CWA	205	72C5581-NP & 72C5581-NP-001	1110-245SC-TC	---	---
250W Metal Halide Lamp - ANSI Code M58								
47751	M250/120/277/F-CAN	120/277	CWA	295	72C5782-NP & 72C5782-NP-001	1110-246C-TC[4]	---	---
400W Metal Halide Lamp or 360W Metal Halide Lamp[10] - ANSI Code M59								
47759	M400/120/277/F-CAN	120/277	CWA	460	72C6082-NP & 72C6082-NP-001	1110-247SC-TC	---	---

METALARC® METAL HALIDE PULSE START F-CAN HID BALLASTS

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]
35W Metal Halide Pulse Start Lamp - ANSI Code M130								
47680	M35/120/277/F-CAN	120/277	HX-HPF	54	72C5081-NP	---	---	---
50W Metal Halide Pulse Start Lamp - ANSI Code M110								
47195	M50/120/277/F-CAN	120/277	HX-HPF	67	72C5181-NP & 72C5181-NP-001	11210-236C-TC	---	---
70W Metal Halide Pulse Start Lamp - ANSI Code M139								
47693	M70/120/277/F-CAN	120/277	HX-HPF	95	72C5281-NP	---	---	---
70W Metal Halide Pulse Start Lamp - ANSI Code M98 or M143								
47694	M70/120/277/F-CAN	120/277	HX-HPF	94	72C5282-NP & 72C5282-NP-001	11210-506C-TC	---	---
100W Metal Halide Pulse Start Lamp - ANSI Code M90								
47734	M100/120/277/F-CAN	120/277	HX-HPF	125	72C5381-NP & 72C5381-NP-001	11210-239C-TC	---	---
150W Metal Halide Pulse Start Lamp - ANSI Code M102 or M142								
47738	M150-PS/120/277/F-CAN	120/277	CWA	185	---	---	---	---
175W Metal Halide Pulse Start Lamp - ANSI Code M137 or M152								
47741	M175-PS/120/277/F-CAN	120/277	CWA	210	72C5582-NP & 72C5582-NP-001	---	---	---
200W Metal Halide Pulse Start Lamp - ANSI Code M136								
47747	M200-PS/120/277/F-CAN	120/277	CWA	240	---	---	---	---
250W Metal Halide Pulse Start Lamp - ANSI Code M138 or M153								
47749	M250-PS/120/277/F-CAN	120/277	CWA	295	72C5783-NP & 72C5783-NP-001	---	---	---
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	---	---
400W Metal Halide Pulse Start Lamp - ANSI Code M155 or M135								
47757	M400-PS/120/277/F-CAN	120/277	CWA	465	72C6182-NP & 72C6182-NP-001	---	---	---

Product Line Guide - 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]
LUMALUX® HIGH PRESSURE SODIUM F-CAN HID BALLASTS								
35W High Pressure Sodium Lamp - ANSI Code S76								
47761	LU35/120/277/F-CAN	120/277	HX-HPF	47	---	12210-261C-TC	---	---
50W High Pressure Sodium Lamp - ANSI Code S68								
47762	LU50/120/277/F-CAN	120/277	HX-HPF	65	72C7884-NP & 72C7884-NP-001	12210-236C-TC	---	---
70W High Pressure Sodium Lamp - ANSI Code S62								
47763	LU70/120/277/F-CAN	120/277	HX-HPF	90	72C7984-NP & 72C7984-NP-001	12210-237C-TC	---	---
100W High Pressure Sodium Lamp - ANSI Code S54								
47764	LU100/120/277/F-CAN	120/277	HX-HPF	125	72C8084-NP & 72C8084-NP-001	12210-239C-TC	---	---
150W High Pressure Sodium Lamp - ANSI Code S55								
47765	LU150/120/277/F-CAN	120/277	HX-HPF	185	72C885-NP	12210-241C-TC	---	---
250W High Pressure Sodium Lamp - ANSI Code S50								
47777	LU250/120/277/F-CAN	120/277	CWA	298	---	1220-246C-TC	---	---
METALARC® METAL HALIDE INDOOR ENCLOSED HID BALLASTS								
175W Metal Halide Lamp - ANSI Code M57								
47153	M175/MULTI-I/D	120/208/240/277	CWA	210	78E5590-001	---	---	---
250W Metal Halide Lamp - ANSI Code M58								
47158	M250/MULTI-I/D	120/208/240/277	CWA	290	78E5790-001	---	---	---
400W Metal Halide Lamp or 360W Metal Halide Lamp[10] - ANSI Code M59								
47172	M400/MULTI-I/D	120/208/240/277	CWA	458	78E6091-001	---	---	---
1000W Metal Halide Lamp - ANSI Code M47								
47207	M1000/MULTI-I/D	120/208/240/277	CWA	1080	78E6592-001	---	---	---
EPAct 2005 has mandated that no Mercury Vapor Ballasts be manufactured in the US effective January 1, 2008.								
MERCURY CORE & COIL BALLAST KITS								
50W Mercury Lamp - ANSI Code H46								
46518	H50/MULTI-KIT	120/208/240/277	CWA	68	---	---	---	---
75W Mercury Lamp - ANSI Code H43								
46519	H75/MULTI-KIT	120/208/240/277	CWA	92	71A2080[7]	---	---	---
100W Mercury Lamp - ANSI Code H38 or H44								
46522	H100/MULTI-KIT	120/208/240/277	CWA	120	71A2591 & 71A2571-001D	H100MLTAC3M & H100MLTAC3M-500K	---	---
47472	H100/277-KIT	277	CWA	120	---	---	---	---
47471	H100/DUAL-KIT	120/240	CWA	120	71A2501[7]	---	---	---
175W Mercury Lamp - ANSI Code H39								
47489	H175/MULTI-KIT	120/208/240/277	CWA	205	71A3092 & 71A3072-001D	H175MLTAC3M & H175MLTAC3M-500K	---	---
47490	H175/480-KIT	480	CWA	205	71A3042 & 71A3042 -001D	---	---	---
250W Mercury Lamp - ANSI Code H37								
47499	H250/MULTI-KIT	120/208/240/277	CWA	285	71A3592 & 71A3572-001D	H250MLTAC3M & H250MLTAC3M-500K	---	---
47500	H250/480-KIT	480	CWA	285	71A3542 & 71A3542-001D	---	---	---
46531	H250/480/120T-KIT	480/120TAP	CWA	285	71A3542T	H25048TAC3M & H25048TAC3M-500K	---	---
400W Mercury Lamp - ANSI Code H33								
47509	H400/MULTI-KIT	120/208/240/277	CWA	454	71A4091 & 71A4071-001D	H400MLTAC4M & H400MLTAC4M-500K	---	---
47510	H400/480-KIT	480	CWA	454	71A4041 & 71A4041-001D	---	---	---
46533	H400/480/120T-KIT	480/120TAP	CWA	454	71A4041T	H40048TAC4M & H40048TAC4M-500K	---	---
47517	H2X400/120-KIT	120	CWA	880	---	---	---	---
47518	H2X400/277-KIT	277	CWA	880	---	---	---	---
1000W Mercury Lamp - ANSI Code H36								
47524	H1000/MULTI-KIT	120/208/240/277	CWA	1080	71A5070-001[6]	H1000MLTAC5M & H1000MLTAC5M-500K	---	---
47525	H1000/480-KIT	480	CWA	1080	71A5040-001[6]	---	---	---

OSRAM SYLVANIA National Customer Service and Sales Center
1-800-LIGHTBULB (1-800-544-4828) or www.sylvania.com

Item Number	OSRAM SYLVANIA Description	Input Voltage (VAC)	Circuit Type	Input Power (Watts)	ANSI Code
METALARC® METAL HALIDE LAMP & BALLAST KITS					
Lamp & Ballast Kits include SYLVANIA METALARC® Metal Halide lamp					
64782	M175/U LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	210	M57/E
64784	M250/U LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	290	M58/E
64847	MS360/SS LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	415	M59/S
64781	M400/U LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	458	M59/S
64848	M1000/U LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	1080	M47/S
LUMALUX® HIGH PRESSURE SODIUM LAMP & BALLAST KITS					
Lamp & Ballast Kits include SYLVANIA LUMALUX® High Pressure Sodium lamp					
67621	LU100/ECO LAMP/MULTI-BALLAST KIT	120/208/240/277	HX-HPF	128	S54
67629	LU150/55/ECO LAMP/MULTI BALLAST KIT	120/208/240/277	HX-HPF	188	S55
67622	LU250/ECO LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	295	S50
67623	LU400/ECO LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	464	S51
67664	LU1000 LAMP/SUPER5 BALLAST KIT	120/208/240/277/480	CWA	1100	S52

NOTES:

REPLACEMENT IGNITORS FOR SYLVANIA HID BALLASTS[11]:

47996	Ignitor/MH/PS/50-150
47997	Ignitor/MH/PS/175-450
47998	Ignitor/MH/PS/750
47843	Ignitor/HPS/50-150
47844	Ignitor/HPS/200-400
47847	Ignitor/HPS/600-750

REPLACEMENT CAPACITORS FOR SYLVANIA HID BALLASTS:

47912	CAP 24Mfd 480VAC
47920	CAP 26Mfd 525VAC
47926	CAP 40Mfd 280VAC
47927	CAP 52Mfd 280VAC
47932	CAP 35Mfd 280VAC
47938	CAP 28Mfd 330VAC
47942	CAP 55Mfd 300VAC
47952	CAP 10Mfd 400VAC
47954	CAP 15Mfd 400VAC

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 SYLVANIA Magnetic Ballast Catalog or at www.sylvania.com.

NOTES FOR MAGNETIC BALLAST GUIDE:

This product line guide/cross reference 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. Cases 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.

Please contact 1-800-LIGHTBULB or www.sylvania.com for additional information.

SPECIFICATIONS:

Information in this guide subject to change at anytime without prior notice.

TRADEMARKS:

SYLVANIA, OCTRON, ICETRON, CURVALUME, METALARC, PENTRON, PROSTART, QUICKSENSE, QUICK 60+, LUMALUX, SUPERSAVER, FIXTURESIDE ASSISTANCE, ECOLOGIC, XP, XPS and ⌇⌇ the system solution® are registered trademarks of OSRAM SYLVANIA Inc. POWERSENSE, and HELIOS are trademarks of OSRAM SYLVANIA Inc. QUICKTRONIC, OPTOTRONIC, DULUX and HQI are registered trademarks of OSRAM GmbH used under license. All other trademarks are those of their respective owners.

**For Orders and
General Information
in the United States:**

**OSRAM SYLVANIA
National Customer
Service and Sales Center**
18725 N. Union Street
Westfield, IN 46074

OEM/Specialty Markets
Phone: 800-762-7191
Fax: 800-762-7192

National Accounts
Phone: 800-562-4671
Fax: 800-562-4674

Industrial & Commercial
Phone: 800-255-5042
Fax: 800-255-5043

Consumer Products
Phone: 800-842-7010
Fax: 800-842-7011

Display/Optic
Phone: 888-677-2627
Fax: 800-762-7192

For SYLVANIA Lighting Services:
Phone: 800-323-0572
Fax: 877-537-0784

**For Orders and
General Information
in Canada:**

**OSRAM SYLVANIA LTD./LTÉE
Headquarters**
2001 Drew Road
Mississauga, Ontario L5S 1S4

Special Markets
Phone: 800-265-2852
Fax: 800-667-6772

Industrial & Commercial
Phone: 800-263-2852
Fax: 800-667-6772

Consumer Markets
Phone: 800-720-2852
Fax: 800-667-6772

Automotive/Miniature
Phone: 800-265-2852
Fax: 800-667-6772

**United States
OSRAM SYLVANIA
Headquarters**
100 Endicott Street
Danvers, MA 01923 USA
1-800-LIGHTBULB
www.sylvania.com

**Canada
OSRAM SYLVANIA LTD./LTÉE
Headquarters**
2001 Drew Road
Mississauga, Ontario L5S 1S4
1-800-LIGHTBULB
www.sylvania.com

Printed on recycled paper.

© 2007 OSRAM SYLVANIA

SEE THE WORLD IN A NEW LIGHT

SYLVANIA

Not available from Hibbert until 5/1/07