

OCTRON® 25W XP® SUPERSAVER® ECOLOGIC®

EXtended Performance Fluorescent Lamps



- Up to 22% energy savings compared to standard 32W T8 lamp
- 25 Watt, 4-foot, SUPERSAVER energy saving, T8 lamp
- ECOLOGIC – Designed to pass TCLP¹
- Initial lumens – 2475 (850 is 2300)
- 95% lumen maintenance at 8000 hours
- 3000K, 3500K, 4100K & 5000K
- 85 CRI
- Retrofit lamp for existing T8 instant start systems
 - 24,000 hour average rated life @ 3 hrs. per start
- Also operates on OSRAM SYLVANIA QUICKTRONIC® Programmed Start ballasts
 - 36,000 hour average rated life @ 3 hrs per start
- Minimum starting temperature: 70°F
- Not dimmable
- Not for use in air handling fixtures
- Striation may occur if airflow is present (see application note 5)

SYLVANIA 25 Watt OCTRON FO32/25W/800XP SUPERSAVER ECOLOGIC lamps operate on standard T8 instant start systems and provide 22% energy savings over standard 32 Watt OCTRON lamps where slight reductions in light are acceptable.

At \$.10/kWh and 4000 hours of operation per year, the 22% savings translates to a savings of \$9.80 per fixture per year for a 4-lamp fixture with a normal ballast factor, instant start ballast. Changing from standard Cool White Energy Saving T12 lamps powered by energy saving magnetic ballasts to OCTRON FO32/25W/800XP/SS/ECO lamps combined with OSRAM SYLVANIA's QUICKTRONIC High Efficiency ISN ballasts could save \$24 a year with no light loss. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states. Group relamp to realize the benefits of these OCTRON lamps in your facility.

SYLVANIA OCTRON T8 ECOLOGIC fluorescent lamps are designed to pass the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states².



1. TCLP test results are based on NEMA LL Series standards and are available on request.
2. Lamp disposal regulations may vary; check your local & state regulations.

Product Availability

Lamp Type	Wattage	Color Temperature	CRI
FO32/25W/830XP/SS/ECO	25	3000K	85
FO32/25W/835XP/SS/ECO	25	3500K	85
FO32/25W/841XP/SS/ECO	25	4100K	85
FO32/25W/850XP/SS/ECO	25	5000K	85

Application Information

Applications

Retail Office Schools Hospitals Industrial
Many applications with T8 instant start ballasts currently using 32W T8 lamps

Fixtures

Contact your local fixture agent for available fixtures.

Ballast Information

Contact your OSRAM SYLVANIA representative for a list of compatible electronic operating systems.

Application Notes

1. Recommended to be used on T8 F32 Instant Start circuits with minimum starting voltage of 550v RMS.
2. Can operate on QUICKTRONIC Programmed Start Ballasts.
3. Fixture must conform to ANSI C78.81 – 2005 requirements for luminaire design.

Application Notes (continued)

4. Not recommended to be used: (1) with Rapid Start circuits unless the open circuit voltage is greater than 570V, (2) at lamp ambient temperatures below 70°F or in drafty locations, (3) in air handling fixtures, (4) on dimming ballasts, (5) on inverter operated emergency lighting systems unless any of the above equipment is specifically listed for 25 watt lamps, or (6) below 60°F starting temperature. Any of the above situations could result in lamp starting and stabilization problems, or system compatibility issues.
5. If an operating lamp is exposed to temperatures below 70°F or moving air (wind, drafts or air flow from an air conditioning or ventilation system), striation, a rhythmic pulsing pattern of light running the length of the tube and/or a reduction in brightness may occur. While visually disconcerting, neither behavior is damaging to the lamp and removing the cause (draft or temperature) will return the lamp to normal operation.

Sample Specification

Lamp(s) shall be OCTRON® FO32/25W/800XP SUPERSAVER® ECOLOGIC® 4-foot lamp(s) having medium bi-pin bases. Lamp(s) shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamp(s) shall have an average rated life of 24,000 hours at 3 hours per start when operated on T8 instant start ballasts, 2475 (or 2300 for 850) initial lumens, 95% lumen maintenance at 8000 hours, a correlated color temperature of (3000K, 3500K, 4100K, or 5000K) and a CRI of 85. The OCTRON SUPERSAVER ECOLOGIC lamp(s) shall be operated on QUICKTRONIC electronic, high frequency ballasts with complete system warranty from the manufacturer covering lamps and ballast.

Warranty Information

Quick 60+® OSRAM SYLVANIA lamp and ballast combination

Limited 36 month lamp warranty and a five year ballast warranty is possible if both lamps and ballast are provided by OSRAM SYLVANIA. See the QUICK 60+ warranty for details and restrictions.

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

Industrial Commercial

Phone: 1-800-255-5042
Fax: 1-800-255-5043

National Accounts

Phone: 1-800-562-4671
Fax: 1-800-562-4674

OEM/Specialty Markets

Phone: 1-800-762-7191
Fax: 1-800-762-7192

Display/Optic

Phone: 1-888-677-2627
Fax: 1-800-762-7192

OSRAM SYLVANIA
Ballast Division
800 N. Church Street
Lake Zurich, IL 60047

Phone: 1-800-654-0089
Fax: 1-847-726-6424

In Canada
OSRAM SYLVANIA LTD.
Headquarters
2001 Drew Road
Mississauga, ON L5S 1S4

Industrial Commercial

Phone: 1-800-263-2852
Fax: 1-800-667-6772

Special Markets

Phone: 1-800-265-2852
Fax: 1-800-667-6772

Visit our website: www.sylvania.com

System Comparison

2-Lamp Fluorescent Systems

Ordering Description	Initial Lumens	Average Rated Life (hrs.)	Ballast	Ballast Factor	System Watts	Mean System Lumens	Relative Lumens	Relative Lamp Life	Energy Savings
F34CW/SS/ECO	2650	20,000	RS Mag ES	.86	72	4011	100%	100%	0
F032/741/ECO	2800	15,000	QT 2X32 ISN	.88	59	4435	110%	75%	18%
F030/841XP/SS/ECO	2850	24,000	QHE2X32 ISL	.78	45	4224	105%	120%	38%
F028/841XP/SS/ECO	2725	24,000	QHE2X32 ISL	.78	42	4038	101%	120%	42%
F032/25W/841XP/SS/ECO	2475	24,000	QHE2X32 ISL	.78	39*	3668	91%	120%	46%

*Based on preliminary engineering information

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base	Initial Lumens	Mean Lumens ¹	Avg. Rated Life (hrs) ^{2,3}	CCT	CRI
22232	F032/25W/830XP/SS/ECO	25	T8	Medium bi-pin	2475	2350	24,000	3000K	85
22233	F032/25W/835XP/SS/ECO	25	T8	Medium bi-pin	2475	2350	24,000	3500K	85
22234	F032/25W/841XP/SS/ECO	25	T8	Medium bi-pin	2475	2350	24,000	4100K	85
22235	F032/25W/850XP/SS/ECO	25	T8	Medium bi-pin	2300	2185	24,000	5000K	85

1. Measured @ 8,000 hours, maintenance at 9600 hours is 94% and at 12,000 hours is 93%.
2. Based on 3 hours per start on instant start ballasts. At 12 hours/start, average rated life = 36,000 hours on instant start ballasts.
3. Programmed Start Ballast life 36,000 hours at 3 hours per start, 42,000 hours at 12 hours per start

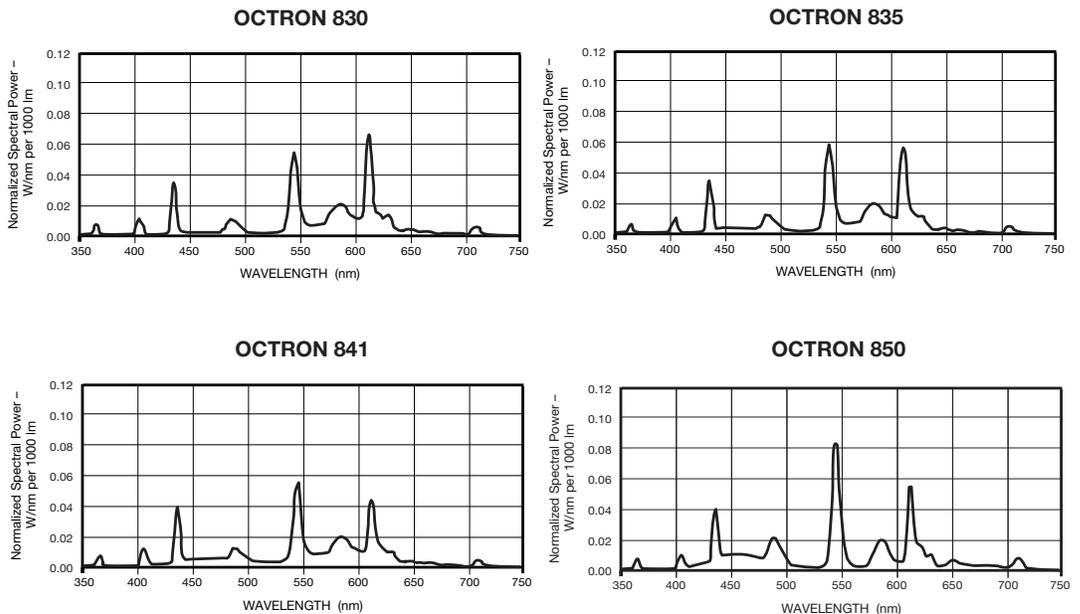
Ordering Guide

FO	32	/	25W	/	8	41	XP	/	SS	/	ECO
Fluorescent OCTRON	Based on Standard 32W T8 Same Dimensions		Actual Wattage = 25		CRI = 85	Color Temperature 30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K	EXTended Performance		SUPERSAVER Actual Wattage = 25		ECOLOGIC

Dimensions

	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.)	(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
FO32	47.78"	Min. 47.41" Max. 47.50"	47.22"	1.1"

Technical Information



SYLVANIA, OCTRON, SUPERSAVER and ECOLOGIC are registered trademarks of OSRAM SYLVANIA Inc. QUICKTRONIC is a registered trademark of OSRAM, GmbH, used under license by OSRAM SYLVANIA Inc.