

OCTRON® 800 XP™ ECOLOGIC® Fluorescent Lamps



- **EX**tended **P**erformance OCTRON ECOLOGIC T8 designed to pass Federal TCLP test*
- Average rated life of 24,000 hours
 - 20% longer than conventional T8
 - Maintains 95% lumens at 8000 hrs.
 - 94% at 9600 hrs.
 - Improved CRI - 85
 - Available in 2700K, 3000K, 3500K, 4100K & 5000K
 - 17W, 25W, 32W & 40W
- Compatible with QUICKTRONIC electronic, high frequency ballasts
- Extend re-lamp cycles
- Options
 - Higher light levels
 - Use fewer fixtures
 - Use low-power ballast
 - Use fewer lamps with high power ballast

The SYLVANIA OCTRON 800 XP ECOLOGIC fluorescent lamps provide 20% longer life, higher initial and maintained lumens, improved color rendition and longer relamp periods compared to conventional T8 lamps. Because of their longer life, OSRAM SYLVANIA offers an improved system warranty with the use of OCTRON 800 XP ECOLOGIC lamps on our QUICKTRONIC® electronic ballasts. (See QUICK 60+® warranty on page 2.)

OCTRON 800 XP ECOLOGIC lamps operate on the same ballasts as OCTRON T8 lamps. OCTRON lamps are designed to operate on instant start, rapid start and programmed rapid start ballasts. These ballasts include standard, high and low power models thus offering the choice to maximize light output or energy savings.

ECOLOGIC® is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



SYLVANIA OCTRON 800 XP ECOLOGIC fluorescent lamps are designed to satisfy the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states.*

*Regulations may vary. Check your local and state regulations.

Application Information

Applications	Application Notes
Office	1. Lamps starting down to 0°F (dependent on ballast)
Schools	2. Operation below 50°F may affect lumen output or lamp operation.
Retail	
General lighting	3. For cold temperature applications, use in enclosed fixture or use tube guard to maximize lamp performance. 4. For rapid start operation, check with ballast manufacturer for ground plane requirement. 5. For maximum energy savings, operate on electronic instant start ballast.

Product Availability

LampType	Initial Lumens	Average Rated Life (hrs)*
F017/830XP/ECO	1400	24,000
F017/835XP/ECO	1400	24,000
F017/841XP/ECO	1400	24,000
F025/830XP/ECO	2250	24,000
F025/835XP/ECO	2250	24,000
F025/841XP/ECO	2250	24,000
F032/827XP/ECO	3000	24,000
F032/830XP/ECO	3000	24,000
F032/835XP/ECO	3000	24,000
F032/841XP/ECO	3000	24,000
F032/850XP/ECO	3000	24,000
F040/830XP/ECO	3870	24,000
F040/835XP/ECO	3870	24,000
F040/841XP/ECO	3870	24,000

*Based on 3hrs/start on 60 hertz magnetic rapid start ballast

SYLVANIA

Sample Specification

Lamp(s) shall be OCTRON 800XP ECOLOGIC lamp(s) (FO32/800XP/ECO, FO17/800XP/ECO, FO25/800XP/ECO or FO40/800XP/ECO) having medium bi-pin bases. Lamp(s) shall be designed to pass the existing Federal TCLP test in force at time of manufacture. Lamp(s) shall have an average rated life of 24,000 hours, (3000, 1400, 2250, 3870) initial lumens, (2850, 1330, 2138, 3677) mean lumens at 8000 hours, a correlated color temperature of (2700K, 3000K, 3500K, 4100K or 5000K) and a CRI of 85. The OCTRON lamp(s) shall be operated on dedicated QUICKTRONIC ballasts with complete system warranty from the manufacturer covering lamp(s) and ballast(s).

Warranty Information

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

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System Comparison

Lamp Type	Lamp Lumens	Lamp Life (hrs)	# Lamps	Ballast	bf	System Watts	System Lumens	System Lumens @8000 hrs	Relative Lumens	% Life	% Energy Savings
F032/700/ECO	2800	20,000	3	QT3x32ISN	0.90	87	7560	6800	100%	100%	-
F032/800/ECO	2950	20,000	3	QT3x32ISN	0.90	87	7965	7330	108%	100%	0%
F032/800XP/ECO	3000	24,000	3	QT3x32ISN	0.90	87	8100	7695	113%	120%	0%
F032/800XP/ECO	3000	24,000	3	QT3x32ISL	0.77	76	6930	6585	97%	120%	13%
F032/800XP/ECO	3000	24,000	3	QT3x32ISH	1.18	112	10,620	10,090	148%	120%	-29%
F032/800XP/ECO	3000	24,000	2	QT2x32ISH	1.20	78	7200	6840	101%	120%	10%

Ordering and Specification Information

OCTRON 800 XP ECOLOGIC SERIES LINEAR T8 FLUORESCENT LAMPS, (85 CRI, MEDIUM BI-PIN BASE)

Item Number	Ordering Abbreviation	Nominal Length (in)	Average Rated Life (Hours)*	Initial Lumens	Mean Lumens @8000 hrs.	Mean Lumens @9600 hrs.	Color Temp.	CRI
21785	F017/830XP/ECO	24	24,000	1400	1330	1316	3000K	85
21778	F017/835XP/ECO	24	24,000	1400	1330	1316	3500K	85
21907	F017/841XP/ECO	24	24,000	1400	1330	1316	4100K	85
21910	F025/830XP/ECO	36	24,000	2250	2138	2115	3000K	85
21776	F025/835XP/ECO	36	24,000	2250	2138	2115	3500K	85
21774	F025/841XP/ECO	36	24,000	2250	2138	2115	4100K	85
22039	F032/827XP/ECO	48	24,000	3000	2850	2820	2700K	85
21759	F032/830XP/ECO	48	24,000	3000	2850	2820	3000K	85
21763	F032/835XP/ECO	48	24,000	3000	2850	2820	3500K	85
21767	F032/841XP/ECO	48	24,000	3000	2850	2820	4100K	85
22026	F032/850XP/ECO	48	24,000	3000	2850	2820	5000K	85
21912	F040/830XP/ECO	60	24,000	3870	3677	3638	3000K	85
21911	F040/835XP/ECO	60	24,000	3870	3677	3638	3500K	85
21916	F040/841XP/ECO	60	24,000	3870	3677	3638	4100K	85

* Based on 3 hours per start on magnetic rapid start ballast. Average rated life of 18,000 hrs. at 3 hrs/start and 26,000 hrs. at 12 hrs/start on instant start ballasts.

Ordering Guide

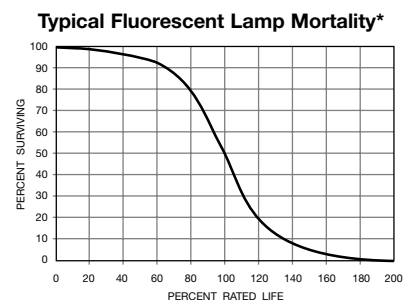
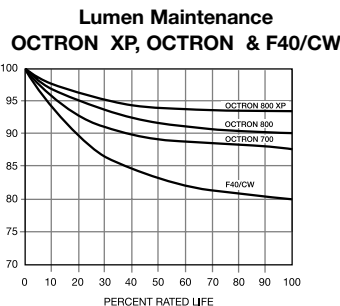
F0	32	/	835	XP	/	ECO
Fluorescent	Wattage:		8=85 CRI	EXtended		ECOLOGIC
OCTRON	17, 25, 32		27=2700K	Performance		
	or 40 watts		30=3000K			
			35=3500K			
			41=4100K			
			50=5000K			

F096/800XP/ECO lamps are also available.
 For 6500K color temperature lamps, ask about the OCTRON 865 XP ECOLOGIC family of lamps.

Dimensions

Lamp Type	(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)
F017	23.78	23.41 23.50	23.22	1.1
F025	35.78	35.40 35.50	35.22	1.1
F032	47.78	47.41 47.50	47.22	1.1
F040	59.61	59.24 59.33	59.05	1.1

Technical Information



* Source: IES Lighting Book