

OCTRON® 800 XV™ ECOLOGIC®

EXtended Value Fluorescent Lamps



OCTRON 800 XV ECOLOGIC T8 fluorescent lamps meet today's lighting needs of high efficiency, long life and superior color rendition. With high initial lumens, mean lumens of 94 percent and an average rated life of up to 42,000 hours, these lamps ensure light levels will be maintained for a very long time. A color rendering index (CRI) of up to 83 supports applications where lighting color quality is important. The lamps are available in 4-foot and 8-foot full wattage and SUPERSAVER® energy saving options. Engineered with optimized phosphor coatings, these lamps deliver specification grade performance and value to satisfy the most demanding general lighting applications.

Key Features & Benefits

- Specification quality lamps with optimized phosphor blends
- Up to 96% lumens of premium F32T8 lamps
- 94% mean lumens
- Energy saving opportunity with OCTRON XV SUPERSAVER versions
 - up to 22% savings with 25W XV/SS
 - up to 12.5% savings with 28W XV/SS
 - up to 6.5% savings with 30W XV/SS
- Longer life than 700 & 800 series lamps
- Dimmable* (see Application Note 4)
- SUPERSAVER 25W and 28W types meet CEE reduced wattage T8 specifications
- Up to 83 CRI
- Lead-free
- Made in the USA. TCLP and RoHS³ compliant
- Increased life on SYLVANIA QUICKTRONIC® PROStart® PSX and PSN programmed rapid start ballasts
 - 42,000 hours rated life @ 12 hours per start
- QUICK 60+® system warranty when paired with QUICKTRONIC electronic ballasts

SYLVANIA OCTRON ECOLOGIC T8 fluorescent lamps pass the Federal Toxic Characteristic Leaching Procedure (TCLP)¹ 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.
3. Comply with European Union Restriction of Hazardous Substances Directive (Directive 2002/95/EC)



Product Offering

Lamp Type	Wattage	CCT
F032/25W/800/XV/SS/ECO	25	3000K, 3500K, 4100K, 5000K
F028/800/XV/SS/ECO	28	3000K, 3500K, 4100K, 5000K
F030/800/XV/SS/ECO	30	3000K, 3500K, 4100K, 5000K
F032/800/XV/ECO	32	3000K, 3500K, 4100K, 5000K
F096/50W/800/XV/SS/ECO	50	3500K, 4100K
F096/54W/800/XV/SS/ECO	54	3500K, 4100K

Application Information

Applications

- Cove
- Direct/indirect luminaires
- Recessed troffers
- Valance

Application Notes

1. F032/25W, F028 and F030 SUPERSAVER lamps are recommended to be used on F32T8 instant start ballast with minimum open circuit voltage of 550V RMS at the lamp.
 - a. Electronically ballasted fixture configurations which operate lamps remotely, such as Master/Satellite applications, can cause reduction of lamp open circuit voltage, in the remote fixture, below the minimum required for reliable lamp starting. For more information, please call 1-800-LIGHTBULB and ask for Ballast Technical Assistance or call your fixture manufacturer.
 - b. Not recommended to be used: (1) in remotely ballasted fixtures with lamp open circuit voltages below 550V, (2) in air handling fixtures, (3) on low power factor ballasts or (4) inverter operated emergency lighting systems unless any of the above equipment is specifically listed for SUPERSAVER (SS) lamps. Any of the above situations could result in lamp starting and stabilization problems, or system compatibility issues.
2. If a SUPERSAVER lamp is exposed to drafts or the ambient temperature falls below 60°F (70°F for 25W), striation (a rhythmic pulsing pattern of light running down the tube) and/or reduction in lamp 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.
3. Fixture must conform to ANSI C78.81–2005 requirements for luminaire design.
4. F096 lamps are not dimmable. For other types contact OSRAM SYLVANIA for approved dimming ballasts.



Specification Data

Fixture Description:	Type
Project/Job:	
SYLVANIA lamp:	
SYLVANIA ballast:	
Notes:	

Sample Specification

Lamp shall be OCTRON® 800 XV™ or OCTRON 800 XV SUPERSAVER® ECOLOGIC® (25W, 28W, 30W, 32W, 50W, 54W) lamp having medium bi-pin or single-pin bases. Lamp shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamps shall have initial lumens of (2400, 2600, 2750, 2900, 5150, 5400), mean lumens of (2255, 2445, 2585, 2725, 4840, 5075) and a correlated color temperature of (3000, 3500, 4100 or 5000) Kelvin. Lamp shall have an average rated life of (24,000, 36,000, 40,000, 42,000) on (instant start, programmed rapid start) ballasts, 94% lumen maintenance at 40% of rated life and a CRI of 81 or 83. The OCTRON XV or OCTRON XV SUPERSAVER ECOLOGIC lamp shall be operated on QUICKTRONIC® electronic, high frequency ballasts with complete system warranty from the manufacturer covering lamps and ballast.

Ordering Information

Item Number	Ordering Abbreviation	Nominal Watts	Nominal Length (in)	Initial Lumens	Mean Lumens ¹	Lumens per Watt	Average Rated Life		CCT	CRI	
							Instant Start 3 hrs/ start	Prog. Rapid Start 12 hrs/ start			
22454	F032/25W/830/XV/SS/ECO	25	48	2400	2255	96	24,000	40,000	42,000	3000K	83
22449	F032/25W/835/XV/SS/ECO	25	48	2400	2255	96	24,000	40,000	42,000	3500K	83
22450	F032/25W/841/XV/SS/ECO	25	48	2400	2255	96	24,000	40,000	42,000	4100K	83
22451	F032/25W/850/XV/SS/ECO	25	48	2400	2255	96	24,000	40,000	42,000	5000K	81
21429	F028/830/XV/SS/ECO	28	48	2600	2445	93	24,000	40,000	42,000	3000K	83
21420	F028/835/XV/SS/ECO	28	48	2600	2445	93	24,000	40,000	42,000	3500K	83
21421	F028/841/XV/SS/ECO	28	48	2600	2445	93	24,000	40,000	42,000	4100K	83
21422	F028/850/XV/SS/ECO	28	48	2600	2445	93	24,000	40,000	42,000	5000K	81
21428	F030/830/XV/SS/ECO	30	48	2750	2585	92	24,000	40,000	42,000	3000K	83
22446	F030/835/XV/SS/ECO	30	48	2750	2585	92	24,000	40,000	42,000	3500K	83
22447	F030/841/XV/SS/ECO	30	48	2750	2585	92	24,000	40,000	42,000	4100K	83
22448	F030/850/XV/SS/ECO	30	48	2750	2585	92	24,000	40,000	42,000	5000K	81
21427	F032/830/XV/ECO	32	48	2900	2725	91	24,000	40,000	42,000	3000K	83
20066	F032/835/XV/ECO	32	48	2900	2725	91	24,000	40,000	42,000	3500K	83
20067	F032/841/XV/ECO	32	48	2900	2725	91	24,000	40,000	42,000	4100K	83
20068	F032/850/XV/ECO	32	48	2900	2725	91	24,000	40,000	42,000	5000K	81
21426	F096/50W/835/XV/SS/ECO	50	96	5100	4795	103	24,000	36,000	N/A	3500K	83
21425	F096/50W/841/XV/SS/ECO	50	96	5100	4795	103	24,000	36,000	N/A	4100K	83
21423	F096/54W/835/XV/SS/ECO	54	96	5400	5075	100	24,000	36,000	N/A	3500K	83
21424	F096/54W/841/XV/SS/ECO	54	96	5400	5075	100	24,000	36,000	N/A	4100K	83

1. Measured at 40% of rated life.

Ordering Guide

FO	30	/	8	35	/	XV	/	SS	/	ECO
Fluorescent OCTRON	Actual Wattage 25, 28, 30 or 32 Watts or Length (in.) 96		Actual CRI 83 or 81	Color Temperature 30 = 3000K CCT 35 = 3500K CCT 41 = 4100K CCT 50 = 5000K CCT		XV=EXtended V alue		SUPERSAVER		ECOLOGIC

Lamp 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.)	Diagram
F032 F030 F028 F032/25W	47.78	Min. 47.41 Max. 47.50	47.22	1.1	
F096	94.00	Min. 93.42 Max. 93.65	93.30	1.1	

Related Literature

For maximum energy savings consider pairing with the following electronic ballasts:

Ballast Technology Applications & Specification Guide (Literature code: ECS-Electronic2009)

QUICKTRONIC® High Efficiency NEMA Premium Guide (Literature code: ECS112)

QUICK 60+® System Warranty (Literature code: ECS140)

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