

# OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3

## EXtended Performance Fluorescent Lamps



SYLVANIA OCTRON 800 XP SUPERSAVER ECOLOGIC3 lamps operate on standard T8 instant start systems and provide up to 22% energy savings over 32 Watt lamps. At 10¢/kWh and 4000 hours of operation per year, the 22% energy savings translates to a savings of \$11.74 per fixture per year for a 4-lamp fixture with a normal ballast factor, instant start ballast. The initial lumen output and 94% lumen maintenance of the OCTRON 800 XP SUPERSAVER/ECO3 lamps help ensure that light levels are maintained while energy is saved. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states.

For optimal performance and system warranty pair with QUICKTRONIC® electronic ballast systems.

### Key Features & Benefits

- Energy savings compared to standard 32W T8 lamp
  - 6% with the 30W XP®/SS
  - 12% with the 28W XP®/SS
  - 22% with the 25W XP®/SS
- 94% lumen maintenance
- 3000K, 3500K, 4100K & 5000K
- 85 CRI
- Dimmable (see application note 4)
- Retrofit lamp for existing T8 instant start systems
  - 40,000 hours rated life @ 12 hours per start
- Increased life on SYLVANIA QUICKTRONIC® PROStart® PSX and PSN programmed rapid start ballasts
  - 42,000 hours rated life @ 12 hours per start
- Available in 4-foot, 8-foot and eXtended Life (XL) types

\*SYLVANIA OCTRON ECOLOGIC3 T8 fluorescent lamps pass the Federal Toxic Characteristic Leaching Procedure (TCLP)<sup>1</sup> criteria for classification as non-hazardous waste in most states<sup>2</sup>.

ECOLOGIC3 represents a more comprehensive approach to sustainability encompassing high efficiency, long life and RoHS/TCLP compliance.

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.



This light source meets restrictions on hazardous substances.



### Product Offering

Lamp Type	Wattage	CCT
F032/25W/800XP/SS/ECO3	25	3000K, 3500K, 4100K, 5000K
F028/800XP/SS/ECO3	28	3000K, 3500K, 4100K, 5000K
F030/800XP/SS/ECO3	30	3000K, 3500K, 4100K, 5000K
F032/25W/800XP/XL/SS/ECO3	25	3500K, 4100K
F028/800XP/XL/SS/ECO3	28	3500K, 4100K, 5000K
F096/800XP/SS/ECO3	55	3500K, 4100K, 5000K

### Application Information

#### Applications

- Hospitals
- Industrial
- Office
- Retail
- Schools

#### Application Notes

1. 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) with Rapid Start ballasts unless the lamp open circuit voltage is greater than 570V, (3) in air handling fixtures, (4) on low power factor ballasts or (5) inverter operated emergency lighting systems unless any of the above equipment is specifically listed for 30 watt lamps. Any of the above situations could result in lamp starting and stabilization problems, or system compatibility issues.
2. If an operating lamp is exposed to drafts or the ambient temperature falls below 60°F, 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. Contact OSRAM SYLVANIA for approved dimming ballasts.



## Ordering Information

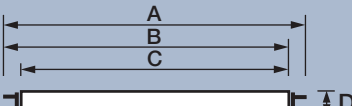
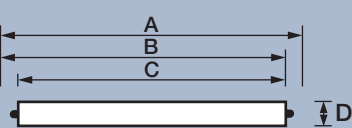
Item Number	Ordering Abbreviation	Nominal					Average		Rated Life		CCT	CRI
		Watts	Length (in)	Initial Lumens	Mean Lumens¹	Lumens per Watt	Instant 3 hrs/ start	Start 12 hrs/ start	Prog. 3 hrs/ start	Rapid 12 hrs/ 1start		
OCTRON® 800 XP® SUPERSAVER®												
22232	F032/25W/830/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	3000K	85
22233	F032/25W/835/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	3500K	85
22234	F032/25W/841/XP/SS/EC03	25	48	2475	2327	99	24,000	40,000	40,000	42,000	4100K	85
22235	F032/25W/850/XP/SS/EC03	25	48	2400	2256	96	24,000	40,000	40,000	42,000	5000K	80
22177	F028/830/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	3000K	85
22178	F028/835/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	3500K	85
22179	F028/841/XP/SS/EC03	28	48	2725	2562	97	24,000	40,000	40,000	42,000	4100K	85
22184	F028/850/XP/SS/EC03	28	48	2600	2444	93	24,000	40,000	40,000	42,000	5000K	80
22063	F030/830/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	3000K	85
22060	F030/835/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	3500K	85
22062	F030/841/XP/SS/EC03	30	48	2850	2679	95	24,000	40,000	40,000	42,000	4100K	85
22202	F030/850/XP/SS/EC03	30	48	2800	2632	93	24,000	40,000	40,000	42,000	5000K	80
OCTRON® 800 XP® XL SUPERSAVER®												
22222	F032/25W/835/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	3500K	85
22223	F032/25W/841/XP/XL/SS/EC03	25	48	2400	2304	96	36,000	50,000	52,000	55,000	4100K	85
22166	F028/835/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	3500K	85
22167	F028/841/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	4100K	85
22326	F028/850/XP/XL/SS/EC03	28	48	2600	2496	93	36,000	50,000	52,000	55,000	5000K	80
OCTRON® F096 XP® SUPERSAVER												
22100	F096/835/XP/SS/EC03	55	96	5700	5360	104	24,000	36,000			3500K	85
22101	F096/841/XP/SS/EC03	55	96	5700	5360	104	24,000	36,000			4100K	85
22347	F096/850/XP/SS/EC03	55	96	5700	5360	104	24,000	36,000			5000K	81

1. Measured at 40% of rated life.

## Ordering Guide

FO	30	/	8	35	XP	/	SS	/	EC03
Fluorescent OCTRON	Actual Wattage = 25, 28, 30, 32 and 55		Actual CRI = 85	Color Temperature 30 = 3000K CCT 35 = 3500K CCT 41 = 4100K CCT 50 = 5000K CCT	EXtended Performance		SUPERSAVER		ECOLOGIC3

## 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.)	
F030 F032/25W F028 F032	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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QUICKTRONIC is a registered trademark of OSRAM GmbH.

## Specification Data

Fixture Description

Type

Project/Job

SYLVANIA lamp

SYLVANIA ballast

Notes

## Sample Specification

Lamp(s) shall be OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3 (25W, 28W, 30W) 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. Lamps shall have initial lumens of (2475, 2725, 2850), mean lumens of (2327, 2562, 2679) and a correlated color temperature of (3000, 3500, 4100) Kelvin or initial lumens of (2400, 2600, 2800) and mean lumens of (2256, 2444, 2632) and a correlated color temperature of 5000K. Lamp(s) shall have an average rated life of (24,000, 40,000) on (instant start, programmed rapid start) ballasts, 94% lumen maintenance at 40% of rated life and a CRI of (85, 80). The OCTRON XP SUPERSAVER ECOLOGIC3 lamp(s) shall be operated on QUICKTRONIC® electronic, high frequency ballasts with complete system warranty from the manufacturer covering lamps and ballast.

### United States

#### OSRAM SYLVANIA

100 Endicott Street  
Danvers, MA 01923

#### Trade

Phone: 1-800-255-5042

Fax: 1-800-255-5043

#### National Accounts

Phone: 1-800-562-4671

Fax: 1-800-562-4674

#### OEM/Special Markets

Phone: 1-800-762-7191

Fax: 1-800-762-7192

#### Display/Optic

Phone: 1-888-677-2627

Fax: 1-800-762-7192

### Canada

#### OSRAM SYLVANIA LTD.

2001 Drew Road  
Mississauga, ON L5S 1S4

#### Trade

Phone: 1-800-263-2852

Fax: 1-800-667-6772

#### OEM/Special Markets/Display/Optic

Phone: 1-800-265-2852

Fax: 1-800-667-6772

www.sylvania.com