OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3

EXtended Performance Fluorescent Lamps

Key Features & Benefits

- Energy savings compared to standard 32W T8 lamp
  - 22% with the 25W XP/SS
  - 12% with the 28W XP/SS
  - 6% with the 30W XP/SS
- 94% mean lumens
- Lead free
- Made in the USA
- Dimmable (see application note 5)
- TCLP and RoHS compliant
- Meets CEE Standards
- Retrofit lamp for existing T8 instant start systems
  - 40,000 hours rated life @ 12 hours per start
- Increased life on OSRAM QUICKTRONIC® PROStart® PSX and PSN programmed rapid start ballasts
  - 42,000 hours rated life @ 12 hours per start
- QUICK 60+® system warranty when lamps are paired with OSRAM QUICKTRONIC electronic ballasts

The OCTRON 800 XP SUPERSAVER T8 fluorescent offering includes a full complement of lengths and wattages, ensuring there is an energy-saving lamp to satisfy nearly all applications. These lamps operate on standard T8 instant start systems and provide up to 22 percent energy savings over 32 Watt lamps. At 11¢/kWh and 4000 hours of operation per year, the 22 percent energy savings translate to a savings of $12.32 per fixture per year for a 4-lamp fixture. The initial lumen output, lumen maintenance and high color rendering of the OCTRON 800 XP SUPERSAVER/ECO3 lamps help ensure that lighting quality is maintained while energy is saved. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states and feature lead-free glass, bases and manufacturing process, reducing overall environmental impact.

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

SYLVANIA OCTRON ECOLOGIC3 T8 fluorescent lamps pass the Federal Toxic Characteristic Leaching Procedure (TCLP)[1] criteria for classification as non-hazardous waste in most states[2].

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.

MADE IN USA · LEAD-FREE · RoHS compliant — This light source meets restrictions on hazardous substances. · ecologic3

Product Offering

Lamp Type	Wattage	CCT
FO17/15W/800XP/SS/ECO3	15	3000K, 3500K, 4100K
FO25/21W/800XP/SS/ECO3	21	3500K, 4100K
FO32/25W/800XP/SS/ECO3	25	3000K, 3500K, 4100K, 5000K
FO28/800XP/SS/ECO3	28	3000K, 3500K, 4100K, 5000K
FO30/800XP/SS/ECO3	30	3000K, 3500K, 4100K, 5000K
FO96/50W/800/XP/SS/ECO3	50	3500K, 4100K
FO96/54W/800/XP/SS/ECO3	54	3500K, 4100K, 5000K

Application Information

Applications

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

Application Notes

1. FO25, FO28 and FO30 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) 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. FO96 SUPERSAVER lamps are recommended to be used on F96T8 instant start ballast with minimum open circuit voltage of 725V.
3. If a 28W 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.
4. Fixture must conform to the latest version of the ANSI C78.81-2010 requirements for luminaire design.
5. FO96 types are not dimmable. For all other types, contact SYLVANIA for approved dimming ballasts.

SYLVANIA

Ordering Information

Item Number	Ordering Abbreviation	Watts	Nominal Length (in)	Initial Lumens	Mean Lumens[1]	Lumens per Watt	Average Rated Life: Instant Start 3 hrs/start	Instant Start 12 hrs/start	Programmed Rapid Start 3 hrs/start	Programmed Rapid Start 12 hrs/start	CCT	CRI
OCTRON® 800 XP® SUPERSAVER®												
22406	F017/15W/835/XP/SS/ECO3	15	24	1200	1130	80	24,000	40,000	40,000	42,000	3500K	85
22407	F017/15W/841/XP/SS/ECO3	15	24	1200	1130	80	24,000	40,000	40,000	42,000	4100K	85
22395	F025/21W/835/XP/SS/ECO3	21	36	1925	1810	92	24,000	40,000	40,000	42,000	3500K	85
22396	F025/21W/841/XP/SS/ECO3	21	36	1925	1810	92	24,000	40,000	40,000	42,000	4100K	85
22232	F032/25W/830/XP/SS/ECO3	25	48	2500	2350	100	24,000	40,000	40,000	42,000	3000K	85
22233	F032/25W/835/XP/SS/ECO3	25	48	2500	2350	100	24,000	40,000	40,000	42,000	3500K	85
22234	F032/25W/841/XP/SS/ECO3	25	48	2500	2350	100	24,000	40,000	40,000	42,000	4100K	85
22235	F032/25W/850/XP/SS/ECO3	25	48	2500	2350	100	24,000	40,000	40,000	42,000	5000K	81
22177	F028/830/XP/SS/ECO3	28	48	2725	2560	97	24,000	40,000	40,000	42,000	3000K	85
22178	F028/835/XP/SS/ECO3	28	48	2725	2560	97	24,000	40,000	40,000	42,000	3500K	85
22179	F028/841/XP/SS/ECO3	28	48	2725	2560	97	24,000	40,000	40,000	42,000	4100K	85
22184	F028/850/XP/SS/ECO3	28	48	2725	2560	97	24,000	40,000	40,000	42,000	5000K	81
22063	F030/830/XP/SS/ECO3	30	48	2850	2680	95	24,000	40,000	40,000	42,000	3000K	85
22060	F030/835/XP/SS/ECO3	30	48	2850	2680	95	24,000	40,000	40,000	42,000	3500K	85
22062	F030/841/XP/SS/ECO3	30	48	2850	2680	95	24,000	40,000	40,000	42,000	4100K	85
22202	F030/850/XP/SS/ECO3	30	48	2850	2680	95	24,000	40,000	40,000	42,000	5000K	81
OCTRON F096 XP SUPERSAVER												
22420*	F096/50W/835/XP/SS/ECO3	50	96	5400	5075	108	24,000	36,000			3500K	85
22421	F096/50W/841/XP/SS/ECO3	50	96	5400	5075	108	24,000	36,000			4100K	85
22100	F096/54W/835/XP/SS/ECO3	54	96	5700	5360	106	24,000	36,000			3500K	85
22101*	F096/54W/841/XP/SS/ECO3	54	96	5700	5360	106	24,000	36,000			4100K	85
22347	F096/54W/850/XP/SS/ECO3	54	96	5700	5360	106	24,000	36,000			5000K	81

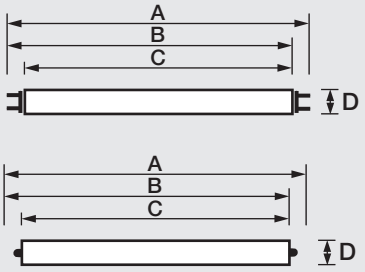
* Discontinued with inventory. Will be inactive once inventory is depleted.
1. Measured at 40% of rated life.

Ordering Guide

F0	30	/	8	35	XP	/	SS	/	ECO3
Fluorescent OCTRON	Actual Wattage 15, 21,25, 28, 30, 50 and 54		Actual CRI 81 or 85	Color Temperature 30 = 3000K CCT, 35 = 3500K CCT 41 = 4100K CCT, 50 = 5000K CCT	XP = 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.)
F017	23.78	Min. 23.41 Max. 23.50	23.22	1.1
F025	35.78	Min. 35.40 Max. 35.50	35.22	1.1
F032 F032/25W F028 F030	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



Sample Specification

Lamp shall be OCTRON® 800 XP® SUPERSAVER® ECOLOGIC®3 (15W, 21W, 25W, 28W, 30W, 50W, 54W) lamp having medium bi-pin bases or 50W and 54W lamp having 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 (1200, 1925, 2500, 2725, 2850, 5400, 5700), mean lumens of (1130, 1810, 2350, 2560, 2680, 5075, 5360) and a correlated color temperature of (3000, 3500, 4100 or 5000K) Kelvin. Lamp shall have an average rated life of (24,000, 40,000, 42,000) on (instant start, programmed rapid start) ballasts, 94% lumen maintenance at 40% of rated life and a CRI of (85, 81). The OCTRON XP SUPERSAVER ECOLOGIC3 lamp shall be operated on OSRAM QUICKTRONIC® electronic, high frequency ballasts with complete system warranty covering lamps and ballast.

Related Literature

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

OSRAM Ballast Technology Applications & Specification Guide (Literature code: ECS-SPECGUIDE2013)
QUICK 60+® System Warranty (Literature code: ECS140)