

# OCTRON® 800 XP® ECOLOGIC®3 EXtended Performance Fluorescent Lamps



SYLVANIA OCTRON 800 XP ECOLOGIC fluorescent lamps provide up to 50% longer life, higher initial and maintained lumens, improved color rendition and longer re-lamp periods compared to 700 Series T8 lamps.

For maximum energy savings, operate OCTRON 800 XP ECOLOGIC lamps on QUICKTRONIC high efficiency instant start ballasts. For longer life and optimal performance on occupancy sensors, pair with QUICKTRONIC PROStart® programmed rapid start ballasts.

## Key Features & Benefits

- Superior performance lamps for existing 800 series T8 instant start systems
  - Higher initial and mean lumens
  - 40,000 hours average life @ 12 hrs/start
  - Improved CRI – 85
  - Extend relamp cycles
  - Reduce lighting maintenance costs
- Longer life on programmed rapid start ballasts
  - 42,000 hours average life @ 12 hrs/start
- 94% lumen maintenance
- Available in 2, 3, 4, 5 and 8-foot lengths
- OCTRON 800XP/XL types feature extended life
  - 50-55,000 hours @ 12 hrs/start
- QUICK 60+® System Warranty when paired with QUICKTRONIC electronic ballasts
- Lead free glass
- Made in the USA
- TCLP and RoHS compliant

## Product Offering

Lamp Type	Watts	Nominal Length (in.)	CCT
F017/800/XP/EC03	17	24	2700K, 3000K, 3500K, 4100K, 5000K, 6500K
F025/800/XP/EC03	25	36	2700K, 3000K, 3500K, 4100K, 5000K, 6500K
F032/800/XP/EC03	32	48	2700K, 3000K, 3500K, 4100K, 5000K, 6500K
F040/800/XP/EC03	40	60	3000K, 3500K, 4100K, 6500K
F096/800/XP/EC03	59	96	3000K, 3500K, 4100K, 5000K
F032/800/XP/XL/EC03	32	48	3500K, 4100K, 5000K

## Application Information

### Applications

- Healthcare
- Industrial
- Office
- Retail
- Schools

### Application Notes

1. Lamps starting down to 0°F (dependent on ballast)
2. Operation below 50°F may affect lumen output or lamp operation.
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 high efficiency electronic instant start ballast.
6. These lamps may help facilitate compliance with national energy codes such as ASHRAE/IES 90.1 or IECC and state energy codes such as California Title 24. For more information contact your local building inspection office.

SYLVANIA OCTRON 800 XP ECOLOGIC3 fluorescent lamps are designed to satisfy the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states.\*

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

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



## Specification Data

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

## Ordering Information

Item Number	Ordering Abbreviation	Watts	Nominal Length (in)	Initial Lumens	Mean Lumens <sup>1</sup>	Lumens per Watt	Average Rated Life				CCT	CRI
							Instant Start 3 hrs/start	Instant Start 12 hrs/start	Programmed Start 3 hrs/start	Programmed Start 12 hrs/start		
<b>OCTRON® 800 XP® ECOLOGIC®</b>												
21587	F017/827/XP/EC03	17	24	1375	1295	81	24,000	40,000	40,000	42,000	2700K	85
21785	F017/830/XP/EC03	17	24	1375	1295	81	24,000	40,000	40,000	42,000	3000K	85
21778	F017/835/XP/EC03	17	24	1375	1295	81	24,000	40,000	40,000	42,000	3500K	85
21907	F017/841/XP/EC03	17	24	1375	1295	81	24,000	40,000	40,000	42,000	4100K	85
22193	F017/850/XP/EC03	17	24	1375	1295	81	24,000	40,000	40,000	42,000	5000K	80
21718	F017/865/XP/EC03	17	24	1250	1188	74	24,000	40,000	40,000	42,000	6500K	85
21586	F025/827/XP/EC03	25	36	2175	2045	87	24,000	40,000	40,000	42,000	2700K	85
21910	F025/830/XP/EC03	25	36	2175	2045	87	24,000	40,000	40,000	42,000	3000K	85
21776	F025/835/XP/EC03	25	36	2175	2045	87	24,000	40,000	40,000	42,000	3500K	85
21774	F025/841/XP/EC03	25	36	2175	2045	87	24,000	40,000	40,000	42,000	4100K	85
22194	F025/850/XP/EC03	25	36	2175	2045	87	24,000	40,000	40,000	42,000	5000K	80
21719	F025/865/XP/EC03	25	36	2175	2045	87	24,000	40,000	40,000	42,000	6500K	85
22039	F032/827/XP/EC03	32	48	3000	2820	94	24,000	40,000	40,000	42,000	2700K	85
21759	F032/830/XP/EC03	32	48	3000	2820	94	24,000	40,000	40,000	42,000	3000K	85
21763	F032/835/XP/EC03	32	48	3000	2820	94	24,000	40,000	40,000	42,000	3500K	85
21767	F032/841/XP/EC03	32	48	3000	2820	94	24,000	40,000	40,000	42,000	4100K	85
22026	F032/850/XP/EC03	32	48	3000	2820	94	24,000	40,000	40,000	42,000	5000K	80
21720	F032/865/XP/EC03	32	48	3000	2820	94	24,000	40,000	40,000	42,000	6500K	85
21912	F040/830/XP/EC03	40	60	3750	3525	94	24,000	40,000	40,000	42,000	3000K	85
21911	F040/835/XP/EC03	40	60	3750	3525	94	24,000	40,000	40,000	42,000	3500K	85
21916	F040/841/XP/EC03	40	60	3750	3525	94	24,000	40,000	40,000	42,000	4100K	85
21721	F040/865/XP/EC03	40	60	3750	3525	94	24,000	40,000	40,000	42,000	6500K	85
22036	F096/830/XP/EC03	59	96	6100	5795	103	18,000	27,000			3000K	85
22034	F096/835/XP/EC03	59	96	6100	5795	103	18,000	27,000			3500K	85
22032	F096/841/XP/EC03	59	96	6100	5795	103	18,000	27,000			4100K	85
22174	F096/850/XP/EC03	59	96	5700	5415	97	18,000	27,000			5000K	80
<b>OCTRON® 800 XP®XL ECOLOGIC®</b>												
21576	F032/835/XP/XL/EC03	32	48	2950	2832	92	36,000	50,000	52,000	55,000	3500K	85
21577	F032/841/XP/XL/EC03	32	48	2950	2832	92	36,000	50,000	52,000	55,000	4100K	85
22002	F032/850/XP/XL/EC03	32	48	2950	2832	92	36,000	50,000	52,000	55,000	5000K	80

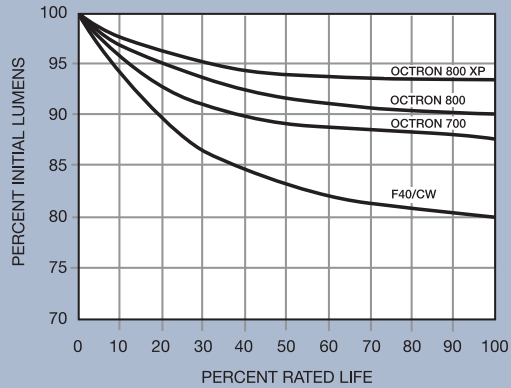
1. Measured at 40% of rated life.

## Ordering Guide

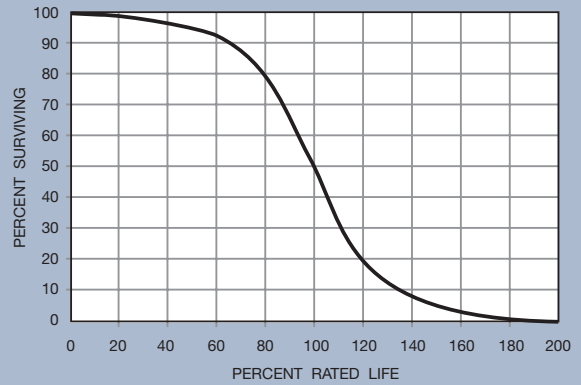
FO	32	/	8	35	XP	XL	/	EC03
Fluorescent OCTRON	Wattage: 17, 25, 32, 40 or 59 watts		8=85 CRI	27=2700K, 30=3000K 35=3500K, 41=4100K 50=5000K, 65=6500K	EXtended Performance	EXtended Life		ECOLOGIC3

## Technical Information

**Lumen Maintenance**  
OCTRON XP, OCTRON & F40/CW

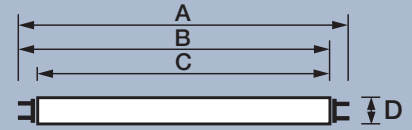


**Typical Fluorescent Lamp Mortality**



## 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.)
		Min.	Max.		
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
F096	94.00	93.42	93.65	93.30	1.1



## Related Literature

**For optimum system performance and warranty pair with these QUICKTRONIC Systems:**

- High Efficiency NEMA Premium QUICKTRONIC® T8 Brochure (Literature Code: ECS112)
- Ballast Technology Applications & Specification Guide (Literature Code: ECS-ELECTRONIC2009)
- QUICK 60+ System Warranty (Literature Code: ECS140)

## Sample Specification

Lamp(s) shall be OCTRON® 800 XP® ECOLOGIC®3 (F032/800XP/ECO3, F017/800XP/ECO3, F025/800XP/ECO3 or F040/800XP/ECO3) lamp(s) 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, 40,000 hours) on (instant start, programmed rapid start) electronic ballasts, (3000, 1250, 1375, 2175 or 3750) initial lumens, (2820, 1188, 1295, 2045 or 3525) mean lumens at 40% of rated life, a correlated color temperature of (2700K, 3000K, 3500K, 4100K, 5000K or 6500K) and a CRI of 85.

Lamp(s) shall be OCTRON® 800 XP® XL ECOLOGIC®3 (F032/800XP/XL ECO3) lamp(s) 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 (36,000 hours, 52,000 hours) on (instant start, programmed rapid start) electronic ballasts, 2950 initial lumens, 2832 mean lumens at 40% of rated life, a correlated color temperature of (3500K, 4100K or 5000K) and a CRI of 85.

Lamps shall be OCTRON 800 XP ECOLOGIC3 (F096/800XP/ECO3) lamp(s) having single pin bases. Lamp(s) shall be designed to pass the Federal TCLP test in force at time of manufacture. Lamp(s) shall have an average rated life of (6100 or 5700) initial lumens, (5795 or 5415) lumens at 40% of rated life, a correlated color temperature of (3500K, 4100K or 5000K) and a CRI of 85.

The OCTRON lamp(s) shall be operated on QUICKTRONIC® (instant start, programmed rapid start) ballasts with complete system warranty from the manufacturer covering lamp(s) and ballast(s).

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