

OCTRON® 800 XP® ECOLOGIC®3

EXtended PErformance Fluorescent Lamps

SYLVANIA OCTRON 800 XP ECOLOGIC fluorescent lamps provide up to 42% longer life, higher initial and maintained lumens, improved color rendition and longer re-lamp periods compared to basic T8 lamps.

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



Benefits and Features

- 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% mean lumens
- Lead free glass
- TCLP and RoHS compliant

Application Usage

- Healthcare
- Industrial
- Office
- Retail
- Schools

Product Offering

Ordering Abbreviation	Watts	Nominal Length (in.)	CCT
800/XP/EC03	17	24	3000K, 3500K, 4100K, 5000K, 6500K
F025/800/XP/EC03	25	36	3000K, 3500K, 4100K, 5000K, 6500K
F032/800/XP/EC03	32	48	3000K, 3500K, 4100K, 5000K, 6500K
F040/800/XP/EC03	40	60	3000K, 4100K
F048/835/XP/ECO	28	48	3500K
F072/835/XP/ECO	44	72	3500K
F096/800/XP/EC03	59	96	3000K, 4100K

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.



This light source meets restrictions on hazardous substances consistent with CA AB1109.



Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

F0	32	/	8	35	XPS	/	EC03
Fluorescent OCTRON®	Wattage: 17, 25, 28, 32, 40, 44 or 59 watts		8 = 85 CRI	30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K 65 = 6500K	EXtended Performance		ECOLOGIC3

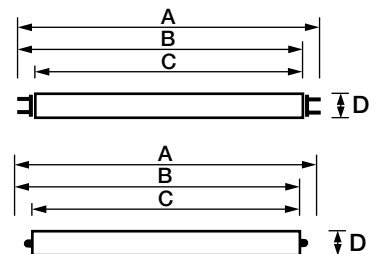
Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Nominal Length (in)	Initial Lumens (lm)	Mean Lumens¹ (lm)	Lumens per Watt	Average Rated Life Instant Start 3 hrs/start	Average Rated Life 12 hrs/start	Average Rated Life Programmed Rapid Start 3 hrs/start	Average Rated Life 12 hrs/start	CCT	CRI
OCTRON® 800 XP® ECOLOGIC®												
21785	F017/830/XP/EC03	17	24	1375	1290	81	24,000	40,000	40,000	42,000	3000K	85
21778	F017/835/XP/EC03	17	24	1375	1290	81	24,000	40,000	40,000	42,000	3500K	85
21907	F017/841/XP/EC03	17	24	1375	1290	81	24,000	40,000	40,000	42,000	4100K	85
22193	F017/850/XP/EC03	17	24	1375	1290	81	24,000	40,000	40,000	42,000	5000K	85
21718	F017/865/XP/EC03	17	24	1250	1175	74	24,000	40,000	40,000	42,000	6500K	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	85
21719	F025/865/XP/EC03	25	36	2025	1905	87	24,000	40,000	40,000	42,000	6500K	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	85
21720	F032/865/XP/EC03	32	48	2900	2725	94	24,000	40,000	40,000	42,000	6500K	85
21916	F040/841/XP/EC03	40	60	3750	3525	94	24,000	40,000	40,000	42,000	4100K	85
21599*	F048/835/XP/ECO	28	48	2850	2680	102	24,000	36,000	—	—	3500K	85
21598*	F072/835/XP/ECO	44	72	4650	4370	106	24,000	36,000	—	—	3500K	85
22032	F096/841/XP/EC03	59	96	6100	5730	103	24,000	36,000	—	—	4100K	85

*Product will be discontinued when inventory is depleted.
1. Mean Lumens measured at 40% of rated life.

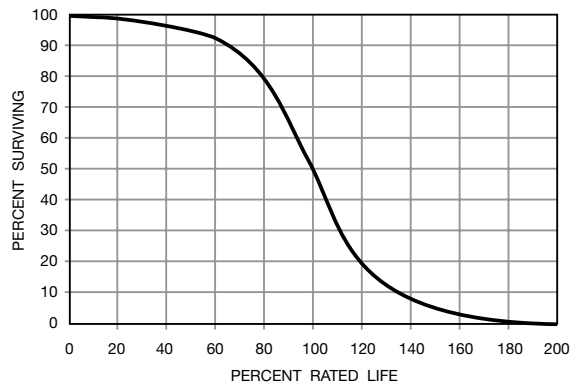
Lamp Dimensions

Lamp Type	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.) Min. Max.	(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
F048	46.00	45.42 45.65	45.30	1.1
F072	70.00	69.42 69.65	69.30	1.1
F096	94.00	93.42 93.65	93.30	1.1



Technical Information

Typical Fluorescent Lamp Mortality



Sample Specification

Lamp(s) shall be OCTRON® 800 XP® ECOLOGIC®3 (FO32/800XP/ECO3, FO17/800XP/ECO3, FO25/800XP/ECO3 or FO40/800XP/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, 1375, 2175 or 3750) initial lumens, (2820, 1290, 2045 or 3525) mean lumens at 40% of rated life, a correlated color temperature of (3000K, 3500K, 4100K, 5000K or 6500K) and a CRI of 85.

Lamps shall be OCTRON 800 XP ECOLOGIC3 (FO48/835/XP/ECO3, FO72/835/XP/ECO3, FO96/ 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 (2850, 4650 or 6100) initial lumens, (2680, 4370, or 5730) lumens at 40% of rated life, a correlated color temperature of (3000K, 3500K, 4100K) and a CRI of 85.

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.

LEDVANCE LLC
181 Ballardvale Street, Suite 203
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.ledvanceUS.com

SYLVANIA and LEDVANCE are registered trademarks.
All other trademarks are those of their respective owners.
Licensee of product trademark SYLVANIA in general lighting.
Specifications subject to change without notice.



SCAN TO FOLLOW US
ON SOCIAL MEDIA

