OCTRON® 800 XP® ECOLOGIC®3

EXtended Performance Fluorescent Lamps

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% mean lumens
- QUICK 60+® System Warranty when paired with OSRAM QUICKTRONIC electronic ballasts
- Lead free glass
- TCLP and RoHS compliant

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 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 OSRAM QUICKTRONIC PROStart® programmed rapid start ballasts.

Product Offering

Lamp Type	Watts	Nominal Length (in.)	CCT
F017/800/XP/ECO3	17	24	2700K, 3000K, 3500K, 4100K, 5000K, 6500K
F025/800/XP/ECO3	25	36	3000K, 3500K, 4100K 5000K, 6500K
F032/800/XP/ECO3	32	48	2700K, 3000K, 3500K, 4100K, 5000K, 6500K
F040/800/XP/ECO3	40	60	3000K, 3500K, 4100K, 6500K
F048/835/XP/ECO	28	48	3500K
F072/835/XP/ECO	44	72	3500K
F096/800/XP/ECO3	59	96	3000K, 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.

RoHS compliant

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

ecologic®3

LEAD-FREE GLASS

MADE IN USA

with US and imported parts

SYLVANIA

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

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® ECOLOGIC®												
21587	F017/827/XP/ECO3	17	24	1250	1175	74	24,000	40,000	40,000	42,000	2700K	85
21785	F017/830/XP/ECO3	17	24	1375	1290	81	24,000	40,000	40,000	42,000	3000K	85
21778	F017/835/XP/ECO3	17	24	1375	1290	81	24,000	40,000	40,000	42,000	3500K	85
21907	F017/841/XP/ECO3	17	24	1375	1290	81	24,000	40,000	40,000	42,000	4100K	85
22193	F017/850/XP/ECO3	17	24	1375	1290	81	24,000	40,000	40,000	42,000	5000K	85
21718	F017/865/XP/ECO3	17	24	1250	1175	74	24,000	40,000	40,000	42,000	6500K	85
21910	F025/830/XP/ECO3	25	36	2175	2045	87	24,000	40,000	40,000	42,000	3000K	85
21776	F025/835/XP/ECO3	25	36	2175	2045	87	24,000	40,000	40,000	42,000	3500K	85
21774	F025/841/XP/ECO3	25	36	2175	2045	87	24,000	40,000	40,000	42,000	4100K	85
22194	F025/850/XP/ECO3	25	36	2175	2045	87	24,000	40,000	40,000	42,000	5000K	85
21719	F025/865/XP/ECO3	25	36	2025	1905	87	24,000	40,000	40,000	42,000	6500K	85
22039	F032/827/XP/ECO3	32	48	3000	2820	94	24,000	40,000	40,000	42,000	2700K	85
21759	F032/830/XP/ECO3	32	48	3000	2820	94	24,000	40,000	40,000	42,000	3000K	85
21763	F032/835/XP/ECO3	32	48	3000	2820	94	24,000	40,000	40,000	42,000	3500K	85
21767	F032/841/XP/ECO3	32	48	3000	2820	94	24,000	40,000	40,000	42,000	4100K	85
22026	F032/850/XP/ECO3	32	48	3000	2820	94	24,000	40,000	40,000	42,000	5000K	85
21720	F032/865/XP/ECO3	32	48	2900	2725	94	24,000	40,000	40,000	42,000	6500K	85
21912	F040/830/XP/ECO3	40	60	3750	3525	94	24,000	40,000	40,000	42,000	3000K	85
21911	F040/835/XP/ECO3	40	60	3750	3525	94	24,000	40,000	40,000	42,000	3500K	85
21916	F040/841/XP/ECO3	40	60	3750	3525	94	24,000	40,000	40,000	42,000	4100K	85
21721	F040/865/XP/ECO3	40	60	3650	3430	94	24,000	40,000	40,000	42,000	6500K	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
22036	F096/830/XP/ECO3	59	96	6100	5730	103	24,000	36,000	–	–	3000K	85
22034	F096/835/XP/ECO3	59	96	6100	5730	103	24,000	36,000	–	–	3500K	85
22032	F096/841/XP/ECO3	59	96	6100	5730	103	24,000	36,000	–	–	4100K	85
22174	F096/850/XP/ECO3	59	96	6100	5730	103	24,000	36,000	–	–	5000K	85

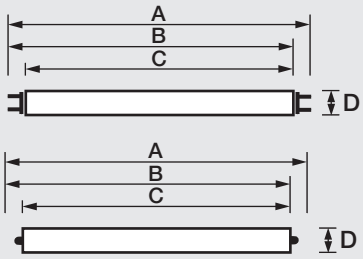
1. Measured at 40% of rated life.

Ordering Guide

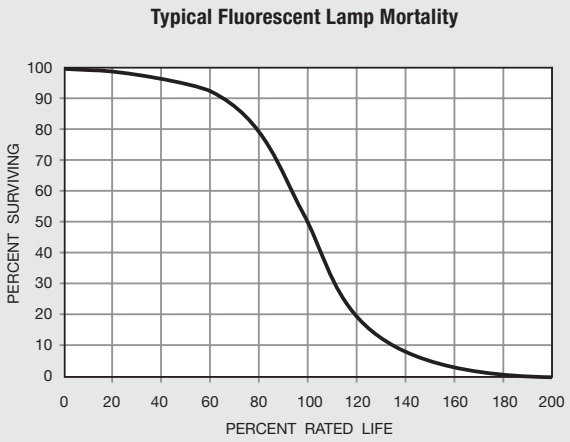
F0	32	/	8	35	XP	/	ECO3
Fluorescent OCTRON	Wattage: 17, 25, 28, 32, 40, 44 or 59 watts		8 = 85 CRI	27 = 2700K, 30 = 3000K 35 = 3500K, 41 = 4100K 50 = 5000K, 65 = 6500K	EXtended Performance		ECOLOGIC3

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



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 (2700K, 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 or 5000K) and a CRI of 85.

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

Related Literature

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

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

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