

OCTRON® XPS® ECOLOGIC®3

EXtended Performance Super Fluorescent Lamps



SYLVANIA OCTRON F032 Extended Performance Super ECOLOGIC3 lamps deliver the highest lumen output of all 2, 3 and 4-foot OCTRON lamps and long lamp life. Their initial lumen output is as much as 11% higher than the OCTRON 700 series lamps, 5% higher than the OCTRON 800 series lamps and 3% higher than the OCTRON 800 XP ECO3 lamps.

Excellent lumen maintenance of 95%, a CRI of 85, three choices of color temperatures (3000K, 3500K and 4100K), in all sizes, plus 5000K and 6500K at 81 CRI for F032, long lamp life and high system efficacy make this lamp the optimum lamp for a wide variety of applications.

Application Information

Applications

- Retail
- Office
- Schools
- Hospitals
- Industrial
- Signage, graphics
- General lighting
- Any application where energy efficiency, long lamp life, excellent lumen maintenance and high CRI are desired.

Fixtures

Contact your local fixture agent for available fixtures.

Ballast Information

Contact your OSRAM SYLVANIA representative for a list of compatible electronic operating systems.

Key Features & Benefits

- Highest lumen 4-foot OCTRON T8 lamp
 - F032/830XPS/ECO3
 - F032/835XPS/ECO3
 - F032/841XPS/ECO3
 - F032/850XPS/ECO3
- Also available in 2-foot (F017) and 3-foot (F025) sizes
- Longer lamp life than standard T8 lamps
 - 36,000 hour average rated life on programmed start ballasts
- 95% Lumen Maintenance @ 8000 Hours
- Color Temperatures: 3000K, 3500K, 4100K (plus 5000K & 6500K for F032)
- 85 CRI (81 CRI for 5000K and 6500K)
- ECOLOGIC – Pass Federal TCLP Limits¹
- All OCTRON XPS lamps are members of the SYLVANIA ECOLOGIC3 family of lamps
- QUICK 60+[®] system warranty when paired with QUICKTRONIC electronic ballasts
- Meets CEE Standards

SYLVANIA OCTRON 800 XPS ECOLOGIC3 fluorescent lamps are designed to satisfy the Federal Toxicity Characteristic Leaching Procedure (TCLP¹) 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 Regulations may vary. Check your local and state regulations.



Product Offering

Item Number	Description	Color	Initial Lumens	Mean Lumens
22150	F017/830XPS/ECO3	3000K	1400	1330
22151	F017/835XPS/ECO3	3500K	1400	1330
22152	F017/841XPS/ECO3	4100K	1400	1330
22153	F025/830XPS/ECO3	3000K	2200	2090
22154	F025/835XPS/ECO3	3500K	2200	2090
22155	F025/841XPS/ECO3	4100K	2200	2090
21680	F032/830XPS/ECO3	3000K	3100	2945
21697	F032/835XPS/ECO3	3500K	3100	2945
21681	F032/841XPS/ECO3	4100K	3100	2945
21660	F032/850XPS/ECO3	5000K	3100	2945
21659	F032/865XPS/ECO3	6500K	3000	2850



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	Date

Ordering Information

OCTRON XPS ECOLOGIC3 lamps with medium bi-pin bases

Item Number	Ordering Abbreviation ¹	CCT	CRI	Initial Lumens ²	Mean Lumens ³	IS	Average Rated Life ^{4, 5, 6} RS or PRS	PSX
22150	F017/830XPS/ECO3	3000K	85	1400	1330	24,000	36,000	36,000
22151	F017/835XPS/ECO3	3500K	85	1400	1330	24,000	36,000	36,000
22152	F017/841XPS/ECO3	4100K	85	1400	1330	24,000	36,000	36,000
22153	F025/830XPS/ECO3	3000K	85	2200	2090	24,000	36,000	36,000
22154	F025/835XPS/ECO3	3500K	85	2200	2090	24,000	36,000	36,000
22155	F025/841XPS/ECO3	4100K	85	2200	2090	24,000	36,000	36,000
21680	F032/830XPS/ECO3	3000K	85	3100	2945	24,000	36,000	36,000
21697	F032/835XPS/ECO3	3500K	85	3100	2945	24,000	36,000	36,000
21681	F032/841XPS/ECO3	4100K	85	3100	2945	24,000	36,000	36,000
21660	F032/850XPS/ECO3	5000K	81	3100	2945	24,000	36,000	36,000
21659	F032/865XPS/ECO3	6500K	81	3000	2850	24,000	36,000	36,000

1. Actual lamp wattage determined by ballast.

2. Measured at 100 hours of operation.

3. 95% @ 8000 hours, 94% @ 9600 hours and 93% at 14,400 hours.

4. Rapid start rating @ 3hrs/start.

5. IS – Instant Start RS – Rapid Start PRS – Programmed Rapid Start PSX – Programmed Rapid Start XTREME

6. F032/800XPS rated life @ 12 hours per start: IS – 36,000 hrs PRS–PSX: 42,000 hours

Ordering Guide

FO	32	/	8	35	XPS	/	ECO3
Fluorescent OCTRON	Wattage: 17, 25, or 32 watts		8 = 81-85 CRI	30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K 65 = 6500K	EXtended Performance Super		ECOLOGIC3

System Comparison

Lamp Type	Initial Lamp Lumens	No. Lamps	Ballast ¹	Ballast Factor	System Watts	System Lumens	Mean System Lumens	Relative Lumens @ 8000 Hrs.	LPW @ 8000 Hrs.	Average Rated Life (hrs.) ²	% Life	% Energy Savings
F032/700/ECO	2800	3	3-lamp ISN	.88	87	7392	6653	100%	76	24,000	100%	–
F032/800XPS/ECO3	3100	3	3-lamp ISN	.88	87	8184	7775	117%	89	24,000 ³	100%	0%
F032/800XPS/ECO3	3100	3	3-lamp ISL	.77	76	7160	6803	102%	90	24,000 ³	100%	13%
F032/800XPS/ECO3	3100	2	2-lamp ISH ⁴	1.20	78	7440	7068	106%	91	24,000 ³	100%	10%
F032/800XPS/ECO3	3100	3	3-lamp ISH ⁴	1.18	111	10,974	10,425	157%	94	24,000 ³	100%	–
F032/800XPS/ECO3	3100	3	3-lamp PSN	.88	88	8184	7775	117%	88	36,000	150%	0%
F032/800XPS/ECO3	3100	3	3-lamp PSX	.71	71	6603	6273	94%	88	36,000	150%	18%

1. ISN = Instant Start Normal Ballast Factor, ISL = Instant Start Low Ballast Factor, ISH = Instant Start High Ballast Factor, PSN = Programmed Rapid Start Normal Ballast Factor, PSX = Programmed Rapid Start Xtreme

2. Rating @ 3hrs/start.

3. 36,000 hrs. @ 12hrs/start.

4. Data for QTP version of ballast used.

Application Information (continued)

Application Notes

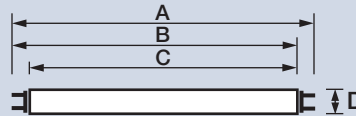
1. Minimum lamp starting temperature determined by ballast.
2. Operation below 50°F may affect lumen output or lamp operation.
3. For cold temperature applications, use in enclosed fixtures or use tube guards to maximize lamp performance.
4. Good ballast to socket to lamp contact essential for correct operation of system.
5. Actual lamp life dependent on ballast type, switching cycle and hours of operation per start.
6. All OCTRON XPS lamps (2', 3' and 4') Average Rated Life:

	3 hrs./start	12 hrs./start
IS	24,000 hrs.	36,000 hrs.
PS/PSX	36,000 hrs.	42,000 hrs.
7. 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.

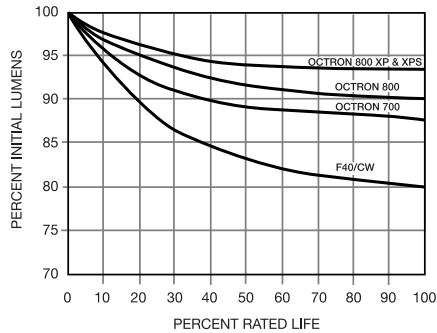
Technical Information

Dimensions

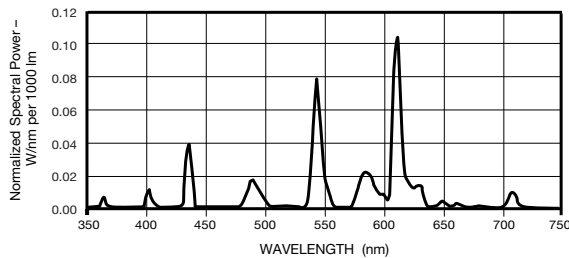
Item Number	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.)		(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
		Min.	Max.		
F032	47.78	47.41	47.50	47.22	1.1



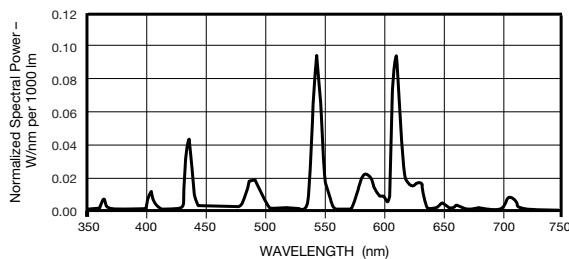
Lumen Maintenance OCTRON XP, OCTRON XPS, OCTRON & F40/CW



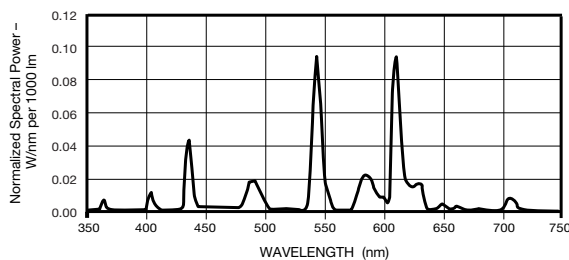
OCTRON 830 XPS



OCTRON 835 XPS



OCTRON 841 XPS



Sample Specification

Lamp(s) shall be (a) OCTRON Extended Performance Super XPS®/EC03 2-foot, 3-foot, or 4-foot lamp(s) having medium bi-pin bases. Lamps shall pass the existing Federal TCLP limits. Lamp(s) shall have an average rated life of 36,000 hours when operated on QUICKTRONIC PSX ballasts, a CRI of (81, 85), 95% lumen maintenance at 8000 hours and a correlated color temperature of (3000K, 3500K, 4100K, 5000K or 6500K). Lamps shall be operated on QUICKTRONIC ballasts with complete system warranty from the manufacturer covering lamps and ballasts.

Warranty

QUICK 60+® Warranty for OSRAM SYLVANIA lamp and ballast combination

Limited 36 month lamp warranty and a five year ballast warranty is possible if both lamps and ballast are provided by OSRAM SYLVANIA. See the QUICK 60+ warranty for details and restrictions.

United States

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Trade

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