

OCTRON® XPS® ECOLOGIC®

EXtended Performance Super Fluorescent Lamps



- Highest lumen 4-foot OCTRON T8 lamp
 - FO32/841XPS/ECO 3150 Initial lumens
 - FO32/835XPS/ECO 3100 Initial lumens
 - FO32/830XPS/ECO 3100 Initial lumens
- Also available in 2-foot (FO17) and 3-foot (FO25) sizes
- Longer lamp life than standard T8 lamps
 - 30,000 hour average rated life on QUICKTRONIC® Xtreme (PSX) ballast
- 95% Lumen Maintenance @ 8000 Hours
- Color Temperatures: 3000K, 3500K, 4100K
- 85 CRI
- ECOLOGIC – Pass Federal TCLP Limits¹
- Medium Bi-pin Base

¹Regulations may vary. Check your local and state regulations

ECOLOGIC is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



SYLVANIA's OCTRON FO32 EXtended Performance Super ECOLOGIC 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 12% higher than the OCTRON 700 series lamps, 7% higher than the OCTRON 800 Series lamps and 5% higher than the OCTRON 800 XP/ECO lamps.

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

Product Availability

NAED	Description	Color	Initial Lumens	Mean Lumens
22150	F017/830XPS/ECO	3000K	1400	1330
22151	F017/835XPS/ECO	3500K	1400	1330
22152	F017/841XPS/ECO	4100K	1400	1330
22153	F025/830XPS/ECO	3000K	2200	2090
22154	F025/835XPS/ECO	3500K	2200	2090
22155	F025/841XPS/ECO	4100K	2200	2090
21680	F032/830XPS/ECO	3000K	3100	2945
21697	F032/835XPS/ECO	3500K	3100	2945
21681	F032/841XPS/ECO	4100K	3150	2992

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 operating systems.

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.



Sample Specification

Lamp(s) shall be (a) OCTRLON EXTENDED Performance Super XPS/ECO 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 30,000 hours when operated on QUICKTRONIC PSX ballasts, a CRI of 85, 95% lumen maintenance at 8000 hours and a correlated color temperature of (3000K, 3500K, or 4100K). Lamps shall be operated on QUICKTRONIC ballasts with complete system warranty from the manufacturer covering lamps and ballasts.

Warranty Information

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

System Comparison

OCTRLON 700 versus OCTRLON 800XPS

Lamp Type	Initial Lamp Lumens	No. Lamps	Ballast¹	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	15,000³	100%	-
F032/800XPS/ECO⁵	3150	3	3-lamp ISN	.88	87	8316	7900	119%	91	15,000³	100%	0%
F032/800XPS/ECO⁵	3150	3	3-lamp ISL	.77	76	7276	6913	104%	91	15,000³	100%	13%
F032/800XPS/ECO⁵	3150	2	2-lamp ISH	1.20	78	7560	7182	108%	92	15,000³	100%	10%
F032/800XPS/ECO⁵	3150	3	3-lamp PSN	.88	88	8316	7900	119%	90	20,000⁴	133%	0%
F032/800XPS/ECO⁵	3150	3	3-lamp PSX	.71	71	6710	6374	96%	88	30,000	200%	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 24,000 hrs. @ 12hrs/start. ⁴ 28,000 hrs. @ 12hrs/start. ⁵ Lumens for 841 lamp used. Data for 830 and 835 will be 1.6% lower.

Ordering and Specification Information

32 Watt⁴, 4', T8, OCTRLON ECOLOGIC lamps with medium bi-pin bases

Item Number	Ordering Abbreviation	CCT	CRI	Initial Lumens²	Mean Lumens³	IS	Average Rated Life⁴, 5, 6 RS or PRS	PSX
21680	F032/830XPS/ECO	3000K	85	3100	2945	15,000	20,000	30,000
21697	F032/835XPS/ECO	3500K	85	3100	2945	15,000	20,000	30,000
21681	F032/841XPS/ECO	4100K	85	3150	2992	15,000	20,000	30,000

1. Actual lamp wattage determined by ballast.
2. Measured at 100 hours of operation.
3. 95% @ 8000 hours.
4. Rapid start rating @ 3hrs/start.
5. IS – Instant Start RS – Rapid Start PRS – Programmed Rapid Start PSX – Programmed Rapid Start XTREME
6. Rated life @ 12 hours per start: IS – 24,000 hrs RS/PRS – 28,000 hrs PSX – 34,000 hrs

Ordering Guide

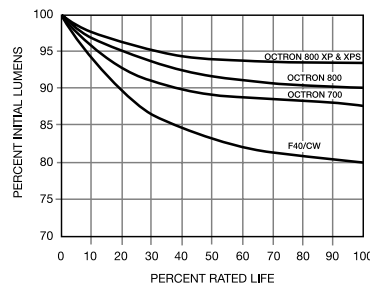
F0	32	/	8	35	XPS	/	ECO
Fluorescent OCTRLON	Wattage: 17 Watts, 25 Watts 32 Watts		8 = 85 CRI	35 = 3500K 30 = 3000K 41 = 4100K	EXTENDED Performance Super		ECOLOGIC

Dimensions

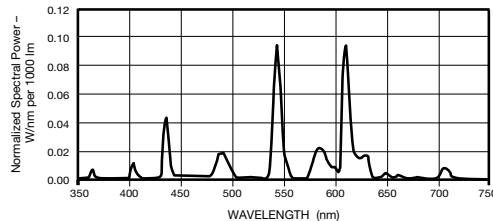
	(A) Maximum Overall Length (in.)	(B) Base Face to Opposite Pin (in.) Min. Max.	(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
FO32	47.78	47.41 47.50	47.22	1.1

Technical Information

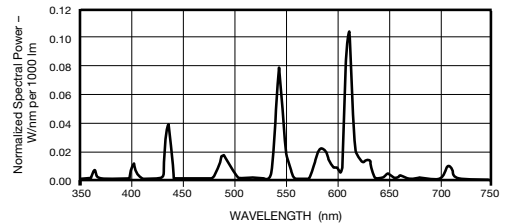
Lumen Maintenance OCTRLON XP, OCTRLON XPS, OCTRLON & F40/CW



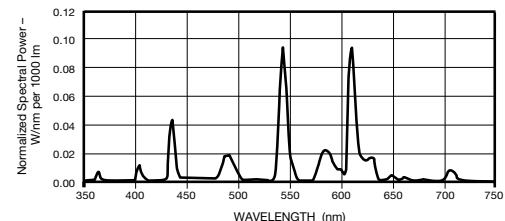
OCTRLON 835 XPS



OCTRLON 830 XPS



OCTRLON 841 XPS



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