

OCTRON® XPS® ECOLOGIC®3

EXtended PErformance Super Fluorescent Lamps

SYLVANIA OCTRON Extended Performance Super ECOLOGIC3 (XPS) lamps deliver the highest performance of all OCTRON lamps with initial and mean lumens that are up to 11% higher and substantially longer lamp life than standard T8 fluorescent lamps. These lamps are available in 3 and 4-foot lengths, in a choice of correlated color temperatures with high lumen maintenance of 94%.

When OCTRON XPS ECOLOGIC lamps are operated on existing instant start ballasts as a retrofit lamp, they deliver higher lumen output than the installed system. In new installations paired with QUICKTRONIC PSX ballasts, 2-lamp systems deliver light levels comparable to 3-lamp 700 series T8 lamps, while maximizing energy savings and lamp life.

Benefits and Features

- Highest lumen 4-foot OCTRON T8 lamps
- Also available in 2-foot (FO17) and 3-foot (FO25) sizes
- Longer lamp life than standard T8 lamps
 - 40,000 hours rated life @ 12 hrs/start on instant start ballast
 - 42,000 hours rated life @ 12 hrs/start on programmed rapid start ballasts
- 94% Lumen maintenance
- TCLP compliant
- Lead free glass

Application Usage

- Hospitals
- Industrial
- Office
- Retail
- Schools



Product Offering

Ordering Abbreviation	Watts	Nominal Length (in)	CCT
FO25/800/XPS/ECO3	25	36	4100k
FO32/800/XPS/ECO3	32	48	3500K, 4100K, 5000K



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

F0	32	/	8	35	XPS	/	EC03
Fluorescent OCTRON®	Wattage: 25, or 32 watts		8 = 81-85 CRI	35 = 3500K 41 = 4100K 50 = 5000K	EXtended Performance Super		ECOLOGIC3

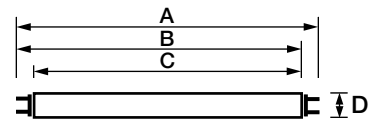
Ordering Information

Item Number	Abbreviation	Ordering Watts	Nominal Length (in.)	Initial Lumens	Mean Lumens ¹	Lumens per Watt	Average Rated Life				CCT	CRI
							Instant Start	3 hrs/start	12 hrs/start	Programmed Rapid Start		
22155	FO25/841/XPS/ECO3	25	36	2200	2070	88	24,000	40,000	40,000	42,000	4100K	85
21697	FO32/835/XPS/ECO3	32	48	3100	2915	97	24,000	40,000	40,000	42,000	3500K	85
21681	FO32/841/XPS/ECO3	32	48	3100	2915	97	24,000	40,000	40,000	42,000	4100K	85
21660	FO32/850/XPS/ECO3	32	48	3100	2915	97	24,000	40,000	40,000	42,000	5000K	81

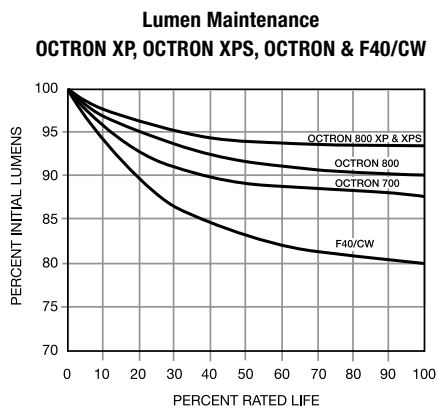
1. Mean Lumens measured at 40% of rated life.

Lamp 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.		
FO25	35.78	35.40	35.50	35.22	1.1
FO32	47.78	47.41	47.50	47.22	1.1



Technical Information



Sample Specification

Lamp(s) shall be (a) OCTRON® Extended Performance Super XPS®/ECO3 3-foot or 4-foot lamp(s) having medium bi-pin bases. Lamps shall pass the existing Federal TCLP limits. Lamp(s) shall have initial lumens of (2200 or 3100), an average rated life of (24,000, 40,000) hours on (instant start, programmed rapid start) ballasts, a CRI of (85, 81), 94% lumen maintenance and a correlated color temperature of (3500K, 4100K or 5000K). Lamps shall be operated on QUICKTRONIC ballasts.

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. 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.

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