

OCTRON® CURVALUME® XP® and XPS® ECOLOGIC® Fluorescent Lamps



SYLVANIA OCTRON CURVALUME XP ECO T8 Fluorescent lamps deliver 20% longer lamp life, higher initial and maintained lumens and a higher color rendering index than 700 or 800 series OCTRON lamps. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states. Because they are physically and electrically interchangeable with standard OCTRON CURVALUME lamps, a change to OCTRON CURVALUME XP ECO lamps will upgrade a lighting system.

Both FBO32XP lamps with 6 inch leg-spacing and FBO31XP lamps with 1 5/8" leg spacing are available in three color temperatures: 3000K, 3500K and 4100K. FBO32XPS lamps are available in 5000K. Pair them with OCTRON 800 XP linear lamps for color consistency throughout a facility.

OCTRON CURVALUME XP ECO T8 lamps are ideal for 2 x 2 troffers. When paired with QUICKTRONIC® or QUICKTRONIC PROFESSIONAL ballasts, the resulting systems are energy efficient and both lamps and ballasts are backed by the QUICK 60+® warranty.

Key Features & Benefits

- Average rated life at 3 hrs/start: 24,000 hours on programmed rapid start ballasts and 18,000 hours on instant start ballasts. At 12 hrs/start: 30,000 hours on programmed rapid start ballasts and 26,000 hours on instant start ballasts.
- Extended relamp cycles
- Higher initial lumens compared to conventional 800 Series T8
- FBO32: 2900 vs 2850
- FBO31: 2775 vs 2725
- 95% lumen maintenance at 8000 hours
- Use fewer lamps or fewer fixtures
- High CRI — 85
- 1 5/8" (31W) & 6" (32W) leg spacing lamps
- 3000K, 3500K, 4100K and 5000K
- QUICK 60+® System Warranty available for lamps powered by QUICKTRONIC® or QUICKTRONIC PROFESSIONAL instant start or programmed rapid start ballasts

SYLVANIA OCTRON T8 ECOLOGIC fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP)¹ criteria for classification as non-hazardous waste in most states².

¹ TCLP test results are based on NEMA LL Series standards and are available on request.

² Lamp disposal regulations may vary; check your local & state regulations.



Product Family

Lamp	Leg Spacing
FBO31/830XP/ECO	1-5/8"
FBO31/835XP/ECO	1-5/8"
FBO31/841XP/ECO	1-5/8"
FBO32/830XP/6/ECO	6"
FBO32/835XP/6/ECO	6"
FBO32/841XP/6/ECO	6"
FBO32/850XPS/6/ECO	6"

Application Information

Applications

- All lighting applications where long life, high maintenance light levels and high CRI are required
- Hospitals
- Office
- Retail
- Schools
- Signage

Application Notes

1. Lamp starting is dependent upon ballast. Operation below 50°F may affect lumen output or lamp operation.
2. For cold temperature applications use in enclosed fixture.
3. For rapid start operation, check with ballast manufacturer for ground plane requirement.
4. For maximum energy savings, operate OCTRON lamps on QUICKTRONIC electronic instant ballasts or QUICKTRONIC programmed rapid start ballasts.
5. Programmed rapid start T8 ballasts will generally increase lamp life and occupancy sensors over instant or rapid start ballasts.



Ordering Information

Item Number	Ordering Abbreviation	Leg Spacing (inches)	Watts	Initial Lumens	Mean Lumens ¹	Avg. Rated Life (hrs) ²	Bulb	Nominal Length (inches)	CCT	CRI
21693	FB031/830XP/ECO	1-5/8"	31	2,775	2,636	24,000	T8	22.5	3000K	85
21695	FB031/835XP/ECO	1-5/8"	31	2,775	2,636	24,000	T8	22.5	3500K	85
21696	FB031/841XP/ECO	1-5/8"	31	2,775	2,636	24,000	T8	22.5	4100K	85
22054	FB032/830XP/6/ECO	6"	32	2,900	2,755	24,000	T8	22.5	3000K	85
22055	FB032/835XP/6/ECO	6"	32	2,900	2,755	24,000	T8	22.5	3500K	85
22057	FB032/841XP/6/ECO	6"	32	2,900	2,755	24,000	T8	22.5	4100K	85
22168	FB032/850XPS/6/ECO	6"	32	2,980	2,830	24,000	T8	22.5	5000K	85

1. Lumen maintenance: 95% at 8,000 hrs., 94% at 9600 hrs.

2. Based on 3 hrs/start on electronic programmed rapid ballast. 18,000 hour average rated life on instant start.

Ordering Guide

FBO	32	/	8	35	XP®	/	6	/	ECO®
Fluorescent	Wattage:		8 = 85 CRI	30 = 3000K	EXtended		6 = 6 inch		ECOLOGIC
Bent	31 or			35 = 3500K	Performance		or 1 5/8"		
OCTRON	32 Watts			41 = 4100K	EXtended		leg spacing		
				50 = 5000K	Performance Super		if 1 5/8" not included		

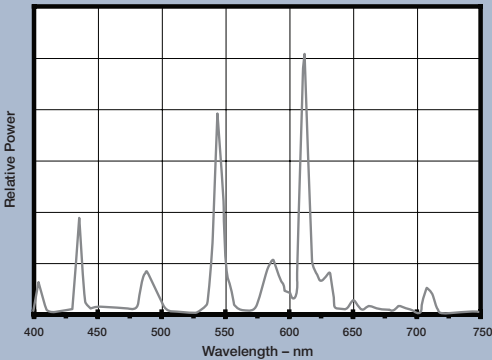
Dimensions

Ordering Abbreviation	(A) Maximum Overall Length (in.)	(B) Max. Base to Top of Lamp (in.) min. max.	(C) Leg Spacing Center to Center (in.) (nominal)
FB031	23	22.25 22.6	1.625
FB032	23	22.25 22.6	6.0

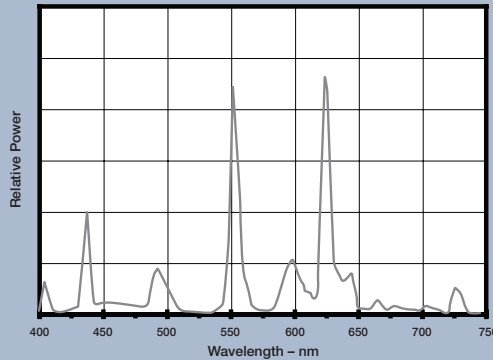


Technical Information

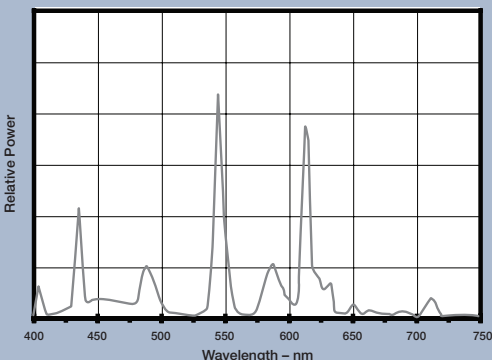
FBO31/830XP or FBO32/830XP



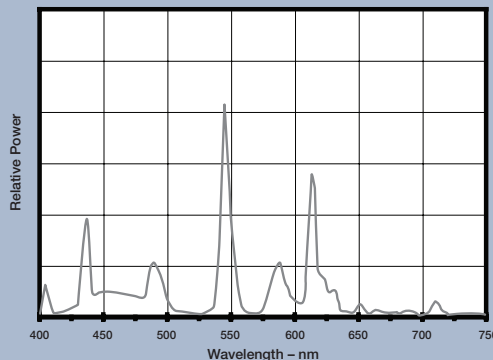
FBO31/835XP or FBO32/835XP



FBO31/841XP or FBO32/841XP



FBO32/850XPS



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Specification Data

Catalog #	
Type	
Project	
Comments	
Prepared by	
Date	

Sample Specification

Lamps shall be OCTRON® CURVALUME® XP® ECO® (FB031 or FB032) having medium bi-pin bases and (1 5/8", 6") leg spacing. Lamps shall pass the Federal TCLP test. Lamps shall have a correlated color temperature of (3000K, 3500K, 4100K, 5000K- in 6" only) and a CRI of 85. The OCTRON lamps shall be operated on a dedicated QUICKTRONIC® or QUICKTRONIC PROFESSIONAL ballast with a complete system warranty from the manufacturer covering both 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 if both lamps and ballasts are provided by OSRAM SYLVANIA. See the latest revision of the QUICK 60+ warranty for details and restrictions.

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