

# OCTRON® CURVALUME® XPS® ECOLOGIC® Fluorescent Lamps



**SYLVANIA OCTRON CURVALUME XPS T8 fluorescent lamps deliver the highest light output of all CURVALUME T8 lamps. Their initial lumen output is 9% higher than 700 Series CURVALUMES and 5% higher than 800 Series CURVALUME lamps.**

OCTRON CURVALUME XPS/ECO® lamps are ideal for 2x2 troffers and operate on the same ballasts as linear OCTRON, OCTRON XP™, and OCTRON XPS T8 lamps providing maintenance ease and color consistency throughout an installation. When used together with QUICKTRONIC PSX ballasts, the XPS/PSX system provides the lowest possible energy consumption in a 2x2 configuration while maintaining high light levels and maximizing lamp life.

- **EXtended Performance Super** OCTRON CURVALUME T8
- Longer life than any other CURVALUME T8 or T12
  - 30,000 hours average rated life on QUICKTRONIC® Xtreme PSX ballast
  - Extend relamp cycles
- Higher initial lumens compared to conventional CURVALUME T8
- 95% lumen maintenance at 8000 hours
- Use fewer lamps or fewer fixtures
- Improved CRI – 85
- ECOLOGIC – Pass Federal TCLP Limits¹
- 1-5/8" (31W) & 6" (32W) leg spacing lamps
- 3000K, 3500K, 4100K & 5000K
- Operates on instant, rapid and programmed rapid start electronic T8 ballasts.

¹ Regulations may vary. Check with your local and state regulators.

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



## Product Availability

Lamp Type	Leg Spacing	Average Rated Life *
FB031/830/XPS/ECO	1-5/8"	30,000
FB031/835/XPS/ECO	1-5/8"	30,000
FB031/841/XPS/ECO	1-5/8"	30,000
FB032/830/XPS/6/ECO	6"	30,000
FB032/835/XPS/6/ECO	6"	30,000
FB032/841/XPS/6/ECO	6"	30,000
FB032/850/XPS/6/ECO	6"	30,000

\*Based on 3 hrs./start on QUICKTRONIC PSX ballasts.

## System Comparison

2' x 2' Fixture (Two Lamps)

Lamp Type	Ballast	Ballast Factor	System Wattage	Mean System Lumens¹	Mean Lumen Change (%)	Energy Savings vs. FB40/CW/SS (%)	Life 3 hrs/start
FB40/CW/6/SS	E. S. Magnetic	0.88	72	3890	—	—	18,000
FB40/D41/6/SS	E. S. Magnetic	0.88	72	4220	8%	0%	18,000
FB032/741	System 32 LP	0.77	51	3820	-2%	29%	15,000
FB032/841/XP	System 32 LP	0.77	51	4200	8%	29%	18,000
FB032/841/XPS	PSX	0.71	45	4047	4%	38%	30,000

¹ At 8000 hours.

## Application Information

### Applications

Offices  
Schools  
Retail  
General Lighting  
Hospitals

### Application Notes

1. Lamps can start at temperatures as low as 0°F (dependant on ballast). Operation below 50°F may affect lumen output or lamp operation.
2. For cold temperature applications, use in suitably enclosed fixture to maximize lumen output.
3. For rapid start operation, check with ballast manufacturer for ground plane requirement.
4. For maximum energy savings and longest lamp life, operate XPS lamps on QUICKTRONIC PSX ballasts.

SEE THE WORLD IN A NEW LIGHT **SYLVANIA**



## Sample Specification

Lamp(s) shall be OCTRON® CURVALUME® XPS®/ECO® (FBO31 or FBO32) having medium bi-pin bases and (1-5/8" or 6") leg spacing. Lamps shall have a correlated color temperature of (3000K, 3500K, 4100K or 5000K) and CRI of 85. The OCTRON lamps shall be operated on dedicated QUICKTRONIC® (System 32, System 32LP, System 32 PLUS, or PSX) ballasts, with complete system warranty from the manufacturer covering lamps and ballast.

## Warranty Information

### QUICK 60+® warranty for SYLVANIA lamp and ballast combination

Limited three year (36 month) OCTRON CURVALUME XPS lamp warranty and a five year QUICKTRONIC electronic ballast warranty if both lamps and ballasts are provided by OSRAM SYLVANIA. See the QUICK 60+ warranty for details and restrictions.

## Ordering and Specification Information

Item Number	Ordering Abbreviation	Leg Spacing (inches)	Watts	Initial Lumens	Mean* Lumens	Avg. Rated Life (hrs)**	Bulb	Nominal Length (inches)	Color Temp.	CRI
21552	FBO31/830/XPS/ECO <sup>2</sup>	1-5/8"	31	2900	2755	30,000	T-8	22.5"	3000K	85
21553	FBO31/835/XPS/ECO <sup>2</sup>	1-5/8"	31	2900	2755	30,000	T-8	22.5"	3500K	85
21554	FBO31/841/XPS/ECO <sup>2</sup>	1-5/8"	31	2900	2755	30,000	T-8	22.5"	4100K	85
22094	FBO32/830/XPS/6/ECO	6"	32	3000	2850	30,000	T-8	22.5"	3000K	85
22095	FBO32/835/XPS/6/ECO	6"	32	3000	2850	30,000	T-8	22.5"	3500K	85
22096	FBO32/841/XPS/6/ECO	6"	32	3000	2850	30,000	T-8	22.5"	4100K	85
22168	FBO32/850/XPS/6/ECO	6"	32	2980	2830	30,000	T-8	22.5"	5000K	85

\* At 8000 hours.

\*\* Based on 3 hrs/start on QUICKTRONIC PSX ballast. 18,000 hour average rated life on instant start, 24,000 hour life on rapid and other programmed rapid start electronic ballasts.

## Ordering Guide

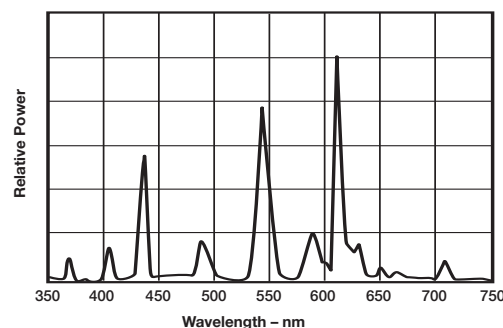
FBO	32	/	8	35	/	XPS	/	6	/	ECO
Fluorescent	Wattage:		8 = 85 CRI	30 = 3000K		EXtended		6 = 6 inch		ECOLOGIC
Bent	31 or			35 = 3500K		Performance		blank = 1-5/8"		Lamp
OCTRON®	32 watts			41 = 4100K		Super		leg spacing		
				50 = 5000K						

## Dimensions

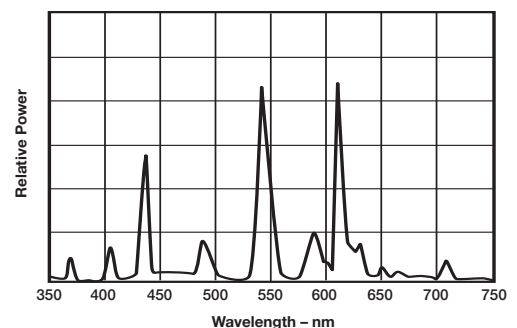
Lamp Type	(A) Maximum Overall Length (in.)	(B) Max. Base to Top of Lamp (in.)	(C) Leg Spacing Pin to Opposite Pin (in.)
FBO31	23	22.6	1.625
FBO32	23	22.6	6.0

## Technical Information

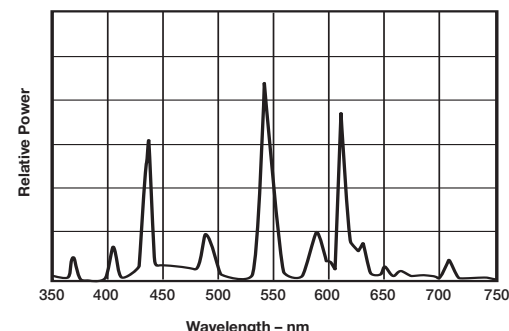
OCTRON® 830 XPS®



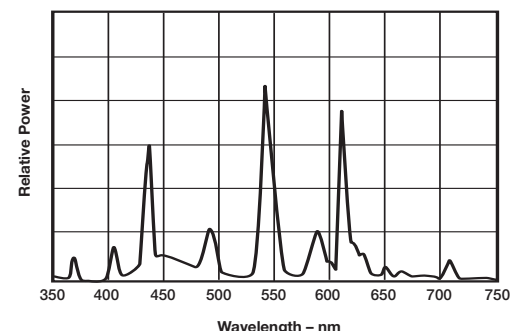
OCTRON® 835 XPS®



OCTRON® 841 XPS®



OCTRON® 850 XPS®



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