

# OCTRON® CURVALUME® ECOLOGIC®

## PORTFOLIO OF SIX-INCH U-BEND FLUORESCENT LAMPS

SYLVANIA OCTRON CURVALUME ECOLOGIC lamps are T8 U-bend lamps available in a choice of performance options to satisfy the needs of most general 2' x 2' lighting applications. OCTRON CURVALUME ECOLOGIC 700 Series lamps offer standard performance with CRI of 75 and up to 28,000 hours average rated life. OCTRON CURVALUME ECOLOGIC 800 Series lamps deliver higher initial and maintained lumens than 700 series lamps with CRI of 82 making them suitable for applications where improved color and light levels are desired. The 700 and 800 Series lamps are available in 32 watt types in an assortment of color temperatures.\*

OCTRON CURVALUME ECOLOGIC 800XP® lamps offer EXtended Performance with higher initial and mean lumens than 800 Series lamps, up to 20% longer lamp life and a CRI of 85. These lamps are also available in a choice of SUPERSAVER® 30W and 28W types that are energy saving replacements for the full wattage lamps. The excellent lumen maintenance of the XP lamps assures light levels will remain consistent over the life of the lamps.

OCTRON CURVALUME ECOLOGIC 800XPS® lamps yield over 8% higher lumens than standard 700 Series lamps and are available in a 5000K option for applications where a higher color temperature lamp is desired.

All SYLVANIA OCTRON CURVALUME ECOLOGIC lamps are designed to pass the Federal TCLP test criteria for classification as non-hazardous waste in most states. The lamps are optimally paired with electronic ballasts.

### Application Information

#### Applications

- Recessed 2 x 2 luminaire

\*NEMA: National Electrical Manufacturers Association

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

\*SYLVANIA OCTRON T8 ECOLOGIC fluorescent lamps pass the Federal Toxicity Characteristic Leaching Procedure (TCLP)<sup>1</sup> criteria for classification as non-hazardous waste in most states<sup>2</sup>.

\*\* Comply with European Union Restriction of Hazardous Substances Directive (Directive/2002/EC)

<sup>1</sup> TCLP test results are based on NEMA LL Series standards and are available on request.

<sup>2</sup> Lamp disposal regulations may vary; check your local & state regulations.



### Key Features & Benefits

- T8 U-bend options for 2' x 2' luminaires
- 700 and 800 Series lamps:
  - Up to 28,000 hours life (programmed rapid start)
  - Up to 24,000 hours life (instant start)
- 800XP EXtended Performance lamps:
  - Superior performance than 700 and 800 series lamps
  - Higher initial lumens, mean lumens and CRI
  - Up to 30,000 hours life (programmed rapid start)
  - Up to 26,000 hours life (instant start)
- 800XP SUPERSAVER lamps:
  - Energy saving replacement options for existing 32W T8 U-bend lamps
- 800XPS lamps:
  - Highest initial and mean lumens
- ECOLOGIC:
  - Designed to pass the Federal TCLP Test\*
- Lead-free glass, RoHS-Compliant\*\*

### Product Offering

Lamp	CRI	Color Temperature
FB032/700/6/ECO	75	3000K, 3500K, 4100K, 5000K
FB032/800/6/ECO	82	3000K, 3500K, 4100K
FB032/800XP/6/ECO	85	3500K, 4100K
FB032/800XPS/6/ECO	85	5000K
FB030/800XP/SS/6/ECO	85	3000K, 3500K, 4100K
FB028/800/XP/SS/6/ECO	85	3500K



## Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

## Ordering Guide

FBO	32	/	8	35	XP	/	SS	/	6	/	ECO
Fluorescent	Wattage:		8 = 82 or 85 CRI	30 = 3000K	XP = E	X	SUPERSAVER®		6" leg		ECOLOGIC®
Bent	28, 30 or 32 Watts		7 = 75 CRI	35 = 3500K	Performance				spacing		
OCTRON®				41 = 4100K	XPS = E	X					
				50 = 5000K	Performance Super						

## Ordering Information

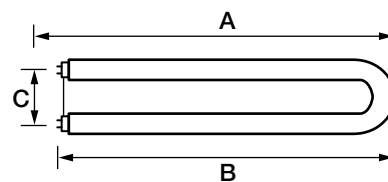
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Leg Spacing	Rated Life				Initial Lumens <sup>1</sup>	Mean Lumens <sup>2</sup>	CCT	CRI
						Instant Start 3 hrs/start	12 hrs/start	Programmed Rapid Start 3 hrs/start	12 hrs/start				
FB032/700/6/ECO													
22046	FB032/730/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,750	2,475	3000K	75
22051	FB032/735/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,750	2,475	3500K	75
22052	FB032/741/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,750	2,475	4100K	75
22053	FB032/750/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,625	2,365	5000K	75
FB032/800/6 ECO													
21663	FB032/830/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,850	2,620	3000K	82
21670	FB032/835/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,850	2,620	3500K	82
21671	FB032/841/6/ECO	32	T8	Medium bi-pin	6"	15,000	24,000	20,000	28,000	2,850	2,620	4100K	82
FB032/800XP/6/ECO													
22055	FB032/835XP/6/ECO	32	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,900	2,755	3500K	85
22057	FB032/841XP/6/ECO	32	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,900	2,755	4100K	85
FB032/800XPS/6/ECO													
22168	FB032/850XPS/6/ECO <sup>3</sup>	32	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,980	2,800	5000K	85
FB030/800XP/SS/6/ECO													
22170	FB030/830XP/SS/6/ECO	30	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,800	2,630	3000K	85
22171	FB030/835XP/SS/6/ECO	30	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,800	2,630	3500K	85
22172	FB030/841XP/SS/6/ECO	30	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,800	2,630	4100K	85
FB028/800XP/SS/6/ECO													
22304	FB028/835/XP/SS/6/ECO	28	T8	Medium bi-pin	6"	18,000	26,000	24,000	30,000	2,590	2,435	3500K	85

1. Initial lumens measured at 100 hours of operation.

2. Mean lumens measured at 40% of rated life

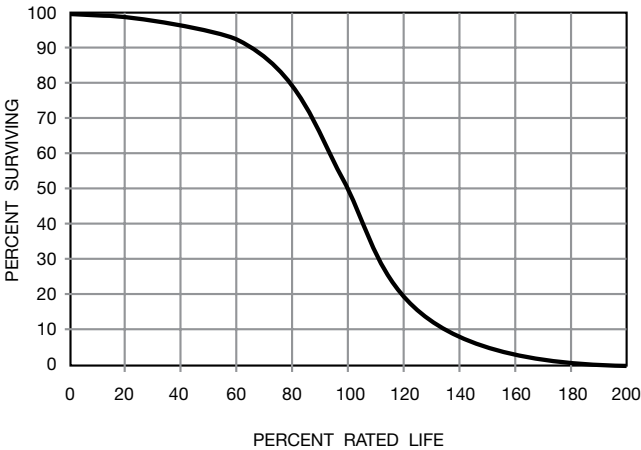
## Lamp Dimensions

Lamp Type	(A) Maximum Overall Length (in.)	(B) Max. Base to Top of Lamp (in.)	(C) Leg Spacing Pin to Opposite Pin (in.)
FB032	23	22.6	6.0



Technical Information

Typical Fluorescent Lamp Mortality



Sample Specification

Lamp(s) shall be OCTRON® CURVALUME® (FBO32, FBO30, FBO28) ECOLOGIC® lamps with 6-inch leg spacing. Lamps(s) shall be designed to pass the Federal TCLP test criteria. Lamp(s) shall have medium bi-pin bases. Lamp(s) shall have a color temperature of (3000K, 3500K, 4100K, or 5000K) and a CRI of (75, 82, or 85). Lamps shall have an average rated life of (20,000 or 24,000) hours when operated 3 hours/start on (instant start, rapid start, or programmed rapid start) ballasts. Lamps shall be operated on electronic ballasts.

Application Notes

- 1. Lamp starting is dependent on ballast. Operation below 50°F may affect lumen output or lamp operation.
- 2. For cold temperature applications, use in enclosed luminaires to maximize lumen output.

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