

# OCTRON® FAMILY Summary

## Fluorescent Lamps



**OSRAM SYLVANIA introduced T8 fluorescent technology to the US market in 1981. Since then, OCTRON brand lamps have become the industry standard for T8 energy efficient lamps delivering high lumen per watt efficiencies and excellent lumen maintenance. Today, OSRAM SYLVANIA offers a wide-ranging selection of lengths, wattages, configurations, color temperatures and color rendition quality to satisfy a variety of needs.**

The **OCTRON ECOLOGIC®** lamps are designed to pass the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states<sup>1</sup>.

**OCTRON 700 and 700 ECOLOGIC** lamps, with CRI of 75 and 20,000 hours average rated life, deliver T8 efficiency at a more affordable price.

**OCTRON 800 and 800 ECOLOGIC** lamps deliver higher lumens per watt and an improved CRI of 82 over the 700 Series lamps.

The **OCTRON 700 and 800 EXTENDED PERFORMANCE (XP™) ECOLOGIC** lamps offer 20% longer lamp life, higher lumens and improved CRI over standard OCTRON lamps. The excellent lumen maintenance of the XP lamps assures superior light levels over the life of the lamps.

**OCTRON EXTENDED PERFORMANCE SUPER (XPS) Ecologic** lamps have the longest lamp life and highest lumens of all OCTRON lamps. Excellent lumen maintenance of 95%, a CRI of 85, three choices of color temperature (3000K, 3500K and 4100K) and long lamp life make these the lamps of choice for a wide variety of applications. When paired with the dedicated QUICKTRONIC® programmed rapid start ballasts, the system provides 15% energy savings and comparable light output with twice the lamp life of the 700 Series lamps operated by the 59 Watt QUICKTRONIC instant start ballast. With this system, lamp life is unaffected by frequent switching.

- Energy efficient T8 fluorescent lamps
- Multiple wattages and lengths
  - FO13 (18"), FO14 (20"), FO17 (24"), FO21 (30"), FO25 (36"), FO28 (40"), FO32 (48"), FO40 (60"), FO72 (46W, 72"), FO96 (59W, 96")
- Curvalume® lamps with 1 5/8" & 6" leg spacings
  - FBO16 (1 5/8"), FBO24 (1 5/8"), FBO31 (1 5/8"), FBO32 (6")
- Wide range of color temperature choices
  - 2700K, 3000K, 3500K, 4100K, 5000K & 6500K
- Choice of color rendition
  - 75, 78, 82, 85, 90
- Standard lamps: 20,000 – 15,000 hours average rate life
- **EXTENDED PERFORMANCE XP** lamps: 24,000 – 18,000 hours average rated life
- **EXTENDED PERFORMANCE SUPER XPS** lamps – 30,000 hours average rated life
- Excellent lumen maintenance: 95 - 90%
- **ECOLOGIC** – pass Federal TCLP testing<sup>1</sup>
- Operate on QUICKTRONIC<sup>1</sup> & QUICKTRONIC Professional electronic ballasts
- QUICK 60+® system warranty applies

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



The **900 OCTRON** lamps have a color temperature of 5000K and a 90 CRI – qualities essential in color critical applications such as those in the medical, dental, printing, textile and painting industries.

**CURVALUME OCTRON** lamps allow high efficient, long life, T8 systems to be used in 2x2 and even 1x1 fixtures as well as wall sconces. The FBO31 lamp with 1 5/8" leg spacing allows a 2x2 fixture to deliver as much light as a 2x4 fixture. Since these lamps operate on the same ballasts as the linear OCTRON lamps, the ballast types used in a facility can be kept to a minimum.

Pairing the OCTRON lamps with QUICKTRONIC or QUICKTRONIC Professional high frequency electronic ballasts allows the selection of the "system solution" that best fulfills the needs of the user. OSRAM SYLVANIA backs the OCTRON lamp/QUICKTRONIC ballast "system solution" with the QUICK 60+ system.

1. Lamp disposal regulations may vary; check your local and state regulations.

## Application Information

### Applications

Commercial  
Retail  
Institutional  
Industrial  
Displays  
Signage

### Fixtures

Contact your local fixture agent for available fixtures.

### Additional Lamp Information

Contact your OSRAM SYLVANIA representative for our website [www.sylvania.com](http://www.sylvania.com) for additional OCTRON product information.

### Ballast Information

Contact your OSRAM SYLVANIA representative for a list of compatible electronic operating systems. System information is also available from our website [www.sylvania.com](http://www.sylvania.com).

## OCTRON Linear Lamps

OCTRON Series	700	700 ECO	700 XP <sup>4</sup> ECO <sup>®</sup>	800	800 ECO	800 XP	800 XP ECO	800 XPS <sup>5</sup> ECO	900
<b>CRI</b>	75	75	78	82	82	85	85	85	90
<b>Avg. Rated Life (hrs.)<sup>1</sup></b>	20,000 <sup>2</sup>	20,000	24,000	20,000 <sup>2</sup>	20,000	24,000 <sup>3</sup>	24,000 <sup>3</sup>	30,000	20,000
<b>Lamp</b>	<b>Length</b>	<b>Wattage</b>							
F013	18"	13					✓		
F014	20"	14					✓		✓
F017	24"	17	✓	✓			✓		✓
F021	30"	21					✓		✓
F025	36"	25	✓				✓		✓
F028	40"	28					✓		✓
F032	48"	32	✓	✓	✓	✓	✓	✓	✓
F040	60"	40	✓		✓		✓		✓
F072	72"	46					✓ <sup>6</sup>		
F096	96"	59	✓	✓	✓	✓	✓ <sup>6</sup>		

### Color Temperatures<sup>7</sup>

2700K (827), 3000K (830), 3500K (835), 4100K (841), 5000K (750, 850, 950), 6500K (865)

7 = CRI in the 70s 8 = CRI in the 80s 9 = CRI in the 90s

- Lamp life dependent on lamp type (standard or XP), ballast type (instant start, rapid start or programmed start) and operating cycle. Lamp life noted above based on operation by ANSI reference ballast and an operating cycle of 3 hours/start with 20 minutes off between starts.
- FO72 & FO96: 15,000 hours average rated life
- FO72XP & FO96XP: 18,000 hours average rated life
- Available January, 2001
- Available Spring, 2001
- Availability based on demand
- Not all color temperatures are available in all types / wattages

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## OCTRON CURVALUME Lamps

OCTRON Series	700	800	800 XP	800 XP ECO <sup>2</sup>
<b>CRI</b>	75	82	85	85
<b>Avg. Rated Life (hrs.)<sup>1</sup></b>	20,000	20,000	24,000	24,000
<b>Lamp</b>	<b>Length</b>	<b>Leg</b>	<b>Wattage</b>	
	<b>MOL</b>	<b>Spacing</b>		
FB016	10.5"	1 5/8"	16	✓
FB024	16.5"	1 5/8"	24	✓
FB031	22.5"	1 5/8"	31	✓
FB032	22.5"	6"	32	✓

### Color Temperatures<sup>3</sup>

3000K (730, 830), 3500K (735, 835), 4100K (741, 841), 5000K (750), 6500K (865)

7 = CRI in the 70s 8 = CRI in the 80s 9 = CRI in the 90s

- Lamp life dependent on lamp type (standard or XP), ballast type (instant start, rapid start or programmed start) and operating cycle. Lamp life noted above based on operation by ANSI reference ballast and an operating cycle of 3 hours/start with 20 minutes off between starts.
- Available Spring, 2001
- Not all color temperatures are available in all types / wattages

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