

OCTRON® ECOLOGIC® 2, 3 and 4 Foot Fluorescent Lamps



- Designed to pass Federal TCLP test*
- Energy efficient T8 lamp
- OCTRON 700 and 800 Series linear 2, 3, and 4 foot lamps
- Same performance as standard OCTRON lamps
- Available in 3000K, 3500K and 4100K
- FO32 available with 75 or 82 CRI
- FO17 and FO25 available with 75 CRI
- 20,000-hour average rated life
- Compatible with QUICKTRONIC® electronic ballasts
- QUICK 60+® System Warranty

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



SYLVANIA OCTRON T8 ECOLOGIC fluorescent lamps are designed to meet the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states*.

The OCTRON 700 Series ECOLOGIC lamps, with color rendering index (CRI) of 75 and 20,000 hours average rated life, deliver T8 efficiency at a more affordable price. The OCTRON 800 Series ECOLOGIC lamps deliver higher

lumens per watt and an improved CRI of 82 compared to the 700 Series lamps.

Pair lamps from either family with QUICKTRONIC electronic ballasts for energy efficient systems backed by the QUICK 60+ system warranty from OSRAM SYLVANIA

*Regulations may vary. Check your local and state regulations.

2-Lamp System Comparison

Lamp Type	Lamp Lumens	Ballast	Ballast Factor	System Wattage	System Lumens	Mean System Lumens	LPW	% Energy Savings
F40/D41	3200	Magnetic ¹	0.95	86	6080	5290	62	0%
F40/CW/SS	2650	Magnetic ¹	0.88	72	4665	4010	56	16%
F032/800/ECO	2950	System ISN ²	0.90	59	5310	4885	83	31%
F032/800/ECO	2950	System ISH ²	1.20	78	7080	6515	84	9%
F032/800/ECO	2950	System 32ISL ²	0.77	51	4545	4180	82	41%

1. Energy saving magnetic ballasts.

2. ISN = instant start, normal ballast factor; ISH = instant start, high ballast factor; ISL = instant start, low ballast factor

Application Information

Applications	Application Notes
Office	1. Lamps starting down to 0°F (dependent on ballast)
Schools	
Retail	2. Operation below 50°F may affect lumen output or lamp operation.
Other general lighting	3. For cold temperature applications, use in enclosed fixture or use tube to maximize lamp performance.
	4. For rapid start operation, check with ballast manufacturer for ground plane requirement.
	5. For maximum energy savings, operate on electronic instant start ballast.

Product Availability

Lamp Type	Wattage	Lumens	CRI
F017/700/ECO	17	1325	75
F025/700/ECO	25	2050	75
F032/700/ECO	32	2800	75
F032/800/ECO	32	2950	82

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Sample Specification

Lamp(s) shall be an OCTRON ECOLOGIC lamp(s) (FO17/ECO, FO25/ECO, FO32/ECO) having medium bi-pin bases. Lamp(s) shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamp(s) shall have a correlated color temperature of (3000K, 3500K, or 4100K) and a CRI of (75 or 82). The OCTRON lamp(s) shall be operated on dedicated QUICKTRONIC ballast(s) with complete system warranty from one manufacturer covering lamp(s) and ballast(s).

Warranty Information
QUICK 60+ warranty
OSRAM SYLVANIA lamp and ballast combination
 Limited 30 month lamp warranty and a five year ballast warranty is possible if both lamps and ballasts are provided by OSRAM SYLVANIA. See the QUICK 60+® warranty for details and restrictions.

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Visit our website: www.sylvania.com

Ordering and Specification Information

Item Number	Ordering Abbreviation	Nominal Length	Base	Bulb	Avg. Rated Life (hrs) ^{1,2}	Initial Lumens	Mean Lumens ³	Color Temp.	CRI
21918	F017/730/ECO	24	Medium Bi-Pin	T8	20,000	1325	1193	3000K	75
21769	F017/735/ECO	24	Medium Bi-Pin	T8	20,000	1325	1193	3500K	75
21770	F017/741/ECO	24	Medium Bi-Pin	T8	20,000	1325	1193	4100K	75
21937	F025/730/ECO	36	Medium Bi-Pin	T8	20,000	2050	1845	3000K	75
21941	F025/735/ECO	36	Medium Bi-Pin	T8	20,000	2050	1845	3500K	75
21942	F025/741/ECO	36	Medium Bi-Pin	T8	20,000	2050	1845	4100K	75
21997	F032/730/ECO	48	Medium Bi-Pin	T8	20,000	2800	2520	3000K	75
21998	F032/735/ECO	48	Medium Bi-Pin	T8	20,000	2800	2520	3500K	75
21999	F032/741/ECO	48	Medium Bi-Pin	T8	20,000	2800	2520	4100K	75
21777	F032/830/ECO	48	Medium Bi-Pin	T8	20,000	2950	2715	3000K	82
21779	F032/835/ECO	48	Medium Bi-Pin	T8	20,000	2950	2715	3500K	82
21781	F032/841/ECO	48	Medium Bi-Pin	T8	20,000	2950	2715	4100K	82

- Based on 3 hours per start on rapid start ballasts.
- Average rated life of 24,000 hours @ 12 hours/start on instant start ballasts.
- Mean lumens measured at 40% of rated life.

Ordering Guide

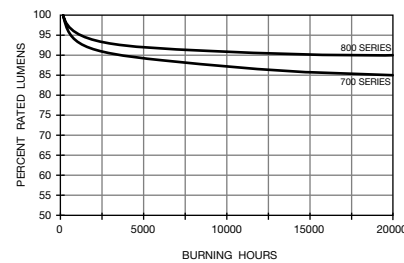
F0	32	/	7	35	/	ECO
Fluorescent	Wattage:		7=75 CRI	30=3000K		ECOLOGIC
OCTRON	17, 25 or 32 watts		8=82 CRI	35=3500K		
				41=4100K		

FO96 8-foot OCTRON ECOLOGIC lamps also available.

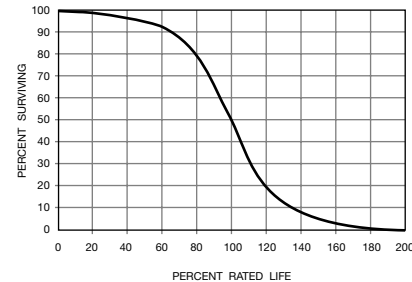
For longer life, higher initial lumens, better lumen maintenance and improved color rendition, please consider the OCTRON® 800 XP™ ECOLOGIC family of lamps.

Technical Information

OCTRON T8 Lumen Maintenance Curve



Typical Fluorescent Lamp Mortality



Spectral Power Distribution

