

OCTRON® 700 and 800 ECOLOGIC® Fluorescent Lamps



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 (78 for the F032) and 20,000-25,000 hours average rated life (or more for F032), 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 (85 for the F032) and 30,000 hour average rated life 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.

Key Features & Benefits

- Passes Federal TCLP test*
- Energy efficient T8 lamp
- OCTRON 700 and 800 Series linear 2, 3, and 4 foot lamps
- Color temperatures: 3000K, 3500K and 4100K in all sizes
- F032 available with 78 or 85 CRI and 5000K color temperature
- F032 available with 78 CRI and 6500K color temperature
- F017 and F025 available with 75 or 82 CRI
- 20,000 to 25,000 hour average rated life for 700 series lamps
- 30,000 hour average rated life for 800 series lamps
- 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.

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



Product Offering

Ordering Abbreviation	Wattage	Lumens	CRI
F017/700/ECO	17	1300	75
F025/700/ECO	25	1950	75
F032/700/ECO	32	2800	78
F017/800/ECO	17	1350	82
F025/800/ECO	25	2150	82
F032/800/ECO	32	2950	85

Application Information

Applications

- General lighting
- Office
- Retail
- Schools

Application Notes

1. Lamps starting down to -20°F (dependent on ballast)
2. Operation below 50°F may affect lumen output or lamp operation.
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.



Ordering Information

Item Number	Ordering Abbreviation	Nominal Length	Base	Lamp Shape	Average Rated Life (hrs.) ^{1,2}	Initial Lumens	Mean Lumens ³	CCT	CRI
21918	F017/730/ECO	24	Medium Bi-Pin	T8	20,000	1,300	1,170	3000K	75
21769	F017/735/ECO	24	Medium Bi-Pin	T8	20,000	1,300	1,170	3500K	75
21770	F017/741/ECO	24	Medium Bi-Pin	T8	20,000	1,300	1,170	4100K	75
21937	F025/730/ECO	36	Medium Bi-Pin	T8	20,000	1,950	1,755	3000K	75
21941	F025/735/ECO	36	Medium Bi-Pin	T8	20,000	1,950	1,755	3500K	75
21942	F025/741/ECO	36	Medium Bi-Pin	T8	20,000	1,950	1,755	4100K	75
21997	F032/730/ECO	48	Medium Bi-Pin	T8	25,000	2,800	2,520	3000K	78
21998	F032/735/ECO	48	Medium Bi-Pin	T8	25,000	2,800	2,520	3500K	78
21999	F032/741/ECO	48	Medium Bi-Pin	T8	25,000	2,800	2,520	4100K	78
22141	F032/750/ECO	48	Medium Bi-Pin	T8	25,000	2,650	2,385	5000K	78
22175	F032/765/ECO	48	Medium Bi-Pin	T8	25,000	2,700	2,484	6500K	78
22135	F017/830/ECO	24	Medium Bi-Pin	T8	30,000	1,350	1,269	3000K	82
22136	F017/835/ECO	24	Medium Bi-Pin	T8	30,000	1,350	1,269	3500K	82
22137	F017/841/ECO	24	Medium Bi-Pin	T8	30,000	1,350	1,269	4100K	82
22138	F025/830/ECO	36	Medium Bi-Pin	T8	30,000	2,150	2,021	3000K	82
22139	F025/835/ECO	36	Medium Bi-Pin	T8	30,000	2,150	2,021	3500K	82
22140	F025/841/ECO	36	Medium Bi-Pin	T8	30,000	2,150	2,021	4100K	82
21777	F032/830/ECO	48	Medium Bi-Pin	T8	30,000	2,950	2,773	3000K	85
21779	F032/835/ECO	48	Medium Bi-Pin	T8	30,000	2,950	2,773	3500K	85
21781	F032/841/ECO	48	Medium Bi-Pin	T8	30,000	2,950	2,773	4100K	85
22143	F032/850/ECO	48	Medium Bi-Pin	T8	30,000	2,950	2,773	5000K	80

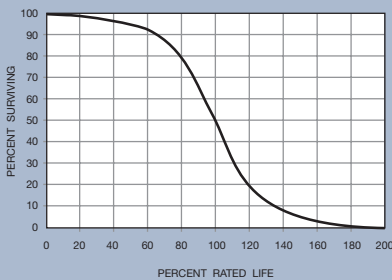
- Based on 3 hrs/start on rapid start ballasts. Life is 15,000 hours for 700 series and 24,000 hours for 800 series on instant start ballasts except for F032 lamps, which are 24,000.
- Instant start life of 24,000 hours (28,000 hours for F032) at 12 hrs/start. Programmed start life of 28,000 hours for 700 series and 35,000 hours for 800 series (30,000 hours for F032/700; 35,000 hours for F032/800) at 12 hrs/start.
- Mean lumens measured at 40% of rated life.

Ordering Guide

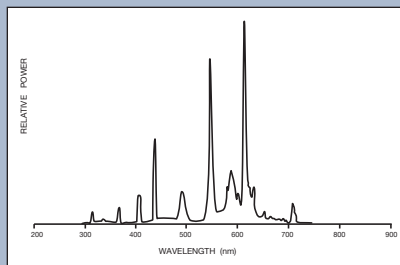
FO	32	/	7	35	/	ECO
Fluorescent OCTRON	Wattage: 17, 25 or 32 watts		7 = 75-78 CRI 8 = 80-85 CRI	30 = 3000K CCT 35 = 3500K CCT 41 = 4100K CCT 50 = 5000K CCT 65 = 6500K CCT		ECOLOGIC

Technical Information

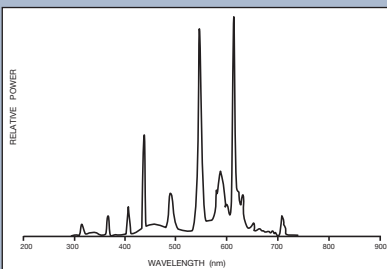
Typical Fluorescent Lamp Mortality



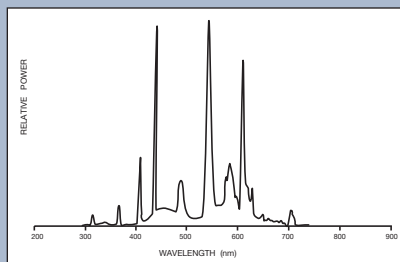
Spectral Power Distribution - F032/730/ECO



Spectral Power Distribution - F032/735/ECO



Spectral Power Distribution - F032/741/ECO



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QUICKTRONIC is a registered trademark of OSRAM GmbH.

Specification Data

Catalog #	
Type	
Project	
Comments	
Prepared by	
Date	

Sample Specification

Lamp(s) shall be an OCTRON® ECOLOGIC® lamp(s) (F017/ECO, F025/ECO, F032/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, 4100K, 5000K, or 6500K) and a CRI of (75, 78, 80, 82 or 85). 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+® 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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