

OCTRON® FO32/700XP™/ECO®

T8 Linear Fluorescent Lamps



- **EX**tended Performance OCTRON ECOLOGIC T8 lamp designed to pass TCLP
- Average rated life of 24,000 hours
 - 20% longer than conventional T8
 - Extended re-lamp cycles
- Available in 4' length
- Higher initial lumens than OCTRON 700 Series
 - 2850 vs 2800
- Maintains 95% lumen maintenance @ 8000 hours
 - 94% @ 9600 hours
- Improved CRI over OCTRON 700 series
 - 78 vs 75
- Color temperatures: 3000K, 3500K, 4100K
- ECOLOGIC pass federal TCLP limits¹
- Compatible with QUICKTRONIC & QUICKTRONIC Professional T8 ballasts
- QUICK 60+® system warranty

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

SYLVANIA OCTRON 700XP ECOLOGIC® fluorescent lamps last 20% longer than conventional T8 lamps. Because lamp life is longer, re-lamp cycles are extended and lamp maintenance costs are reduced.

In addition to longer life, the OCTRON 700 XP ECO lamps deliver higher initial and maintained light levels and improved CRI over the OCTRON 700 series lamps. Higher maintained light levels allow the user more system choices: higher light levels, lower wattage systems or 2-lamp instead of 3-lamp systems. Three popular color temperatures are available: 3000K, 3500K and 4100K.

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



Product Availability

Color Temperature	Lamp
3000K	F032/730XP/ECO
3500K	F032/735XP/ECO
4100K	F032/741XP/ECO

System Comparison

OCTRON XP ECOLOGIC versus standard OCTRON

Lamp Type	Lamp Lumens	Lamp Life (hrs.)	# Lamps	Ballast	Ballast Factor	System Watts	System Lumens	System Lumens @ 8000 hrs.	Relative Lumens % Life	% Energy Savings
F032/700/ECO	2800	20,000	3	3-lamp ISN	.90	87	7560	6804	100%	100%
F032/700XP/ECO	2850	24,000	3	3-lamp ISN	.90	87	7695	7310	107%	120%
F032/700XP/ECO	2850	24,000	3	3-lamp ISL	.77	76	6584	6255	92%	13%
F032/700XP/ECO	2850	24,000	2	2-lamp ISH	1.20	78	6840	6498	96%	10%

IS = Instant Start N = Normal Power Factor L = Low Power Factor H = High Power Factor

Application Information

Applications

- Retail
- School
- Office
- Industrial
- General lighting

Fixtures

Contact your local fixture agent for available fixtures.

Ballast Information

Contact your OSRAM SYLVANIA representative for a list of compatible electronic operating systems.

Application Notes

1. Lamps starting down to 0°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 guards to maximize lamp performance.
4. For maximum energy savings, operate on electronic instant start ballasts.
5. For maximum lamp life in occupancy sensor applications, operate on programmed rapid start ballasts.



Sample Specification

Lamp(s) shall be (a) SYLVANIA OCTRON F032/700XP/ECO lamp(s) having medium bi-pin bases. Lamp shall pass the existing Federal TCLP limits. Lamps shall have an average rated life of 24,000 hours, 2850 initial lumens, 2708 mean lumens at 8000 hours, a correlated color temperature of (3000K, 3500K or 4100K) and a CRI of 78. The OCTRON lamps shall be operated on dedicated QUICKTRONIC ballasts with complete system warranty from the manufacturer covering lamps and ballasts.

Ordering and Specification Information

OCTRON 700XP ECOLOGIC LINEAR T8 FLUORESCENT LAMPS

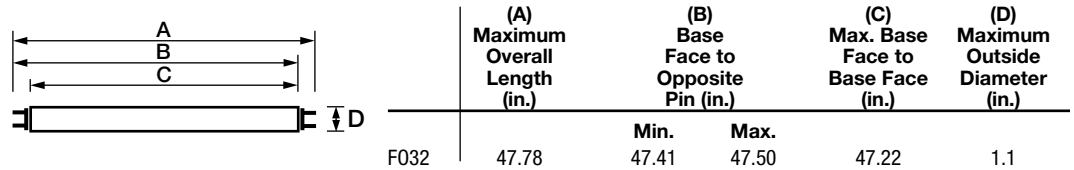
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length	Avg. Rated Life (hrs.) ¹	Initial Lumens	Lumens @ 8000 hrs. ²	CCT	CRI
21711	F032/730XP/ECO	32	T8	Med Bi-pin	48"	24,000	2850	2708	3000K	78
22044	F032/735XP/ECO	32	T8	Med Bi-pin	48"	24,000	2850	2708	3500K	78
21712	F032/741XP/ECO	32	T8	Med Bi-pin	48"	24,000	2850	2708	4100K	78

1. Based on operation on ANSI reference ballast.
2. 95% lumen maintenance at 8000 hours, 94% lumen maintenance at 9600 hours
3. Availability of 730 lamp based on demand.

Ordering Guide

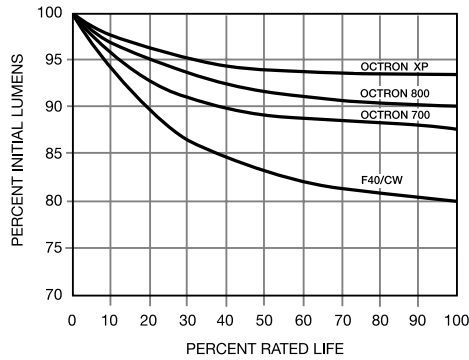
F0	32	/	730	XP	/	ECO
Fluorescent	Wattage:		7 = 78 CRI	EXtended		ECOLOGIC
OCTRON	32		30 = 3000K	Performance		
			35 = 3500K			
			41 = 4100K			

Dimensions

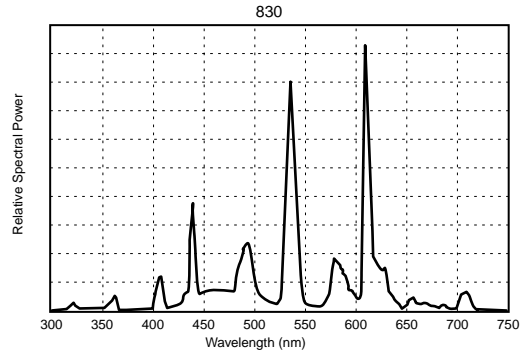


Technical Information

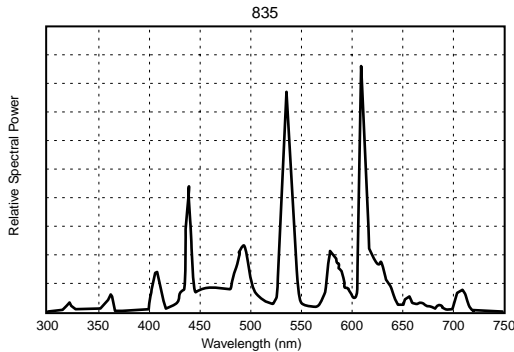
Lamp Lumen Maintenance



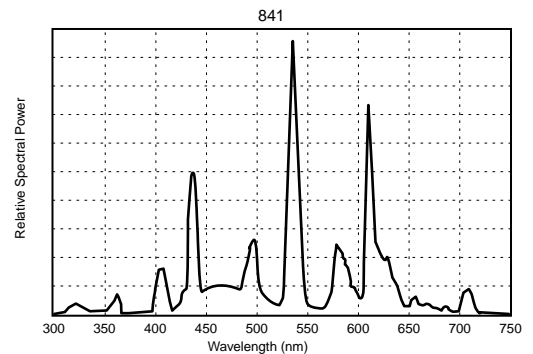
Spectral Power Distribution (SPD)



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