

OCTRON® CURVALUME® XP™ SUPERSAVER® ECO® Fluorescent Lamps



SYLVANIA 30 Watt OCTRON FBO30 CURVALUME XP SUPERSAVER ECO lamps operate on standard T8 instant start systems and provide 6% energy savings over standard 32W OCTRON CURVALUME lamps. At \$.10 per kWh and 4000 hours of operation per year, the 6% energy savings translates to a savings of \$1.40 per fixture per year using a normal ballast factor, instant start ballast. With 2800 initial lumen output and 94% lumen maintenance, the OCTRON FBO30 CURVALUME XP SUPERSAVER ECO lamp delivers 6% higher mean system lumens and 20% longer lamp life in addition to the 6% energy savings compared to standard 700 Series OCTRON lamps.

When paired with the QUICKTRONIC Professional PROStart PSX ballasts, the system has the lowest QUICKTRONIC system input wattage (44W/43W) while delivering similar light levels compared to T12 energy saving, magnetic systems and OCTRON 700 Series lamps operated by low ballast factor (.77), instant start systems. In both cases lamp life is longer: 33% longer than T12 and 60% longer than OCTRON 700 Series on instant start ballasts.

These ECO lamps pass the Federal TCLP test criteria for classification as non-hazardous waste in most states.

When paired with QUICKTRONIC® high frequency electronic ballasts, they provide an energy efficient, environmentally friendly system for 2X2 luminaires.

Application Information

Applications

Offices
Schools
Retail
General Lighting
Hospitals

Application Notes

1. Recommended to be used on T8 Instant Start circuit with minimum starting voltage of 550V RMS.
2. Not recommended to be used: (1) with Rapid Start circuits unless the open circuit voltage is greater than 550V, (2) at lamp ambient temperatures below 60° F or in drafty locations, (3) on low power factor ballasts, (4) dimming ballasts or (5) on inverter operated emergency lighting systems unless any of the above

equipment is specifically listed for use with 30W T8 lamps. Any of the above situations could result in lamp starting and stabilization problems.

3. Can operate on QUICKTRONIC® PSX and PSN ballasts; 24,000 hours average rated life at 3 hours per start.

- OCTRON 30W U-Shaped T8 SUPERSAVER energy saving lamps with 6" leg spacing
- Retrofit lamp for existing 6" U-Shaped T8 instant start systems
 - 6% energy savings compared to standard 32W U-Shaped T8 lamp on instant start ballasts
 - 18,000 hour average rated life @ 3 hours per start
- Approved on OSRAM SYLVANIA QUICKTRONIC® Professional PROStart® PSX and PSN ballasts
 - 24,000 hour average rated life @ 3 hours per start
 - Up to 16% energy savings vs. normal ballast factor, instant start ballasts when using PSX ballast
- ECOLOGIC – Designed to pass Federal TCLP¹ test
- Initial Lumens – 2800
 - 94% Lumen Maintenance at 8000 hours, 93% at 9600 hours
- 3000K, 3500K & 4100K
- 85 CRI
- Minimum starting temperature: 60° F
- Not dimmable
- QUICK 60+® system warranty when operated by QUICKTRONIC ballasts

SYLVANIA OCTRON T8 ECOLOGIC fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states².



¹ TCLP test results are based on NEMA LL Series standards and are available on request.

² Lamp disposal regulations may vary; check your local & state regulations.

Product Availability

Lamp	Wattage	Color Temperature	CRI
FBO30/830XP/6/SS/ECO	30	3000K	85
FBO30/835XP/6/SS/ECO	30	3500K	85
FBO30/841XP/6/SS/ECO	30	4100K	85



Sample Specification

Lamp(s) shall be OCTRON FBO30 CURVALUME XP SUPERSAVER ECO lamps with 6-inch leg spacing. Lamp(s) shall be designed to pass the Federal TCLP test criteria. Lamps(s) shall have a color temperature of (3000K, 3500K, or 4100K and a CRI of 85. Lamp(s) shall have an average rated life of 18,000 hours when operated 3 hours/start on instant start, or 24,000 hours when operated 3 hours/start on QUICKTRONIC Professional PSX electronic ballasts. Both lamp(s) and ballast(s) shall be covered by the Quick 60+ warranty program.

Warranty Information

QUICK 60+® warranty for SYLVANIA lamp and ballast combinations.

Limited 36 month lamp warranty and 5 year ballast warranty is available if both lamps and ballasts are provided by OSRAM SYLVANIA. See the QUICK 60+ warranty for details and restrictions.

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System Comparison

Lamp Type	Ballast	System Wattage	Ballast Factor	Initial System Lumens	Mean System Lumens	% Relative Mean Light Output	% Energy Savings	% Life
System Comparison 1								
FB032/741/6/ECO	QT2X32/ISL	51	.77	4235	3812	100%	0%	100%
FB030/841XP/6/SS/ECO	QT2X32/ISL	48	.77	4312	4053	106%	6%	120%
FB030/841XP/6/SS/ECO	QTP2X32/PSX	44/43	.71	3976	3737	98%	14% / 16%	160%
System Comparison 2								
FB34/CW/6/SS	E.S. Magnetic	72	.88	4576	3935	100%	0%	100%
FB34/D41/6/SS	E.S. Magnetic	72	.88	4805	4325	110%	0%	100%
FB032/741/6/ECO	QT2X32/ISL	51	.77	4235	3812	97%	29%	83%
FB030/841XP/6/SS/ECO	QT2X32/ISL	48	.77	4312	4053	103%	33%	100%
FB030/841XP/6/SS/ECO	QTP2X32/PSX	44/43	.71	3976	3737	95%	39%/40%	133%

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base	Leg Spacing	Avg. Rated Life (hrs.) ¹	Initial Lumens ²	Mean Lumens ³	CCT	CRI
22170	FB030/830XP/6/SS/ECO	30	T8	Medium bi-pin	6"	18,000	2800	2632	3000K	85
22171	FB030/835XP/6/SS/ECO	30	T8	Medium bi-pin	6"	18,000	2800	2632	3500K	85
22172	FB030/841XP/6/SS/ECO	30	T8	Medium bi-pin	6"	18,000	2800	2632	4100K	85

- Lamp Life base on operation at 3 hours per start on instant start ballast.
- Initial lumens measured at 100 hours of operation.
- Mean lumens measured at 40% of rated life.

Ordering Guide

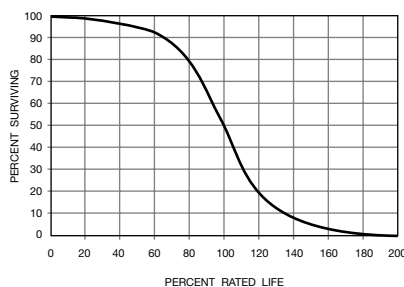
FBO	30	/	8	35	XP	/	6	/	SS	/	ECO
Fluorescent	Wattage:		CRI = 85	30 = 3000K	EXtended		6" leg		SUPER-		ECOLOGIC
Bent	30 Watts			35 = 3500K	Performance		spacing		SAVER		
OCTRON				41 = 4100K							

Dimensions

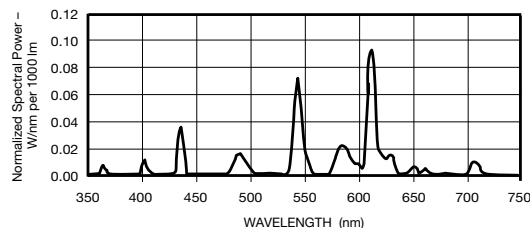
Lamp Type	(A) Maximum Overall Length (in.)	(B) Max. Base to Top of Lamp (in.)	(C) Leg Spacing Pin to Opposite Pin (in.)
FBO30	23	22.6	6.0

Technical Information

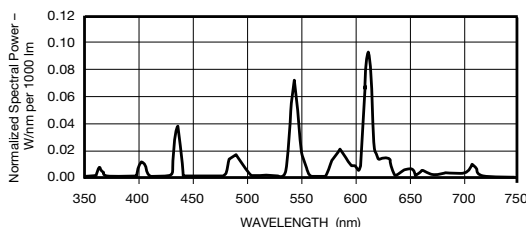
Typical Fluorescent Lamp Mortality



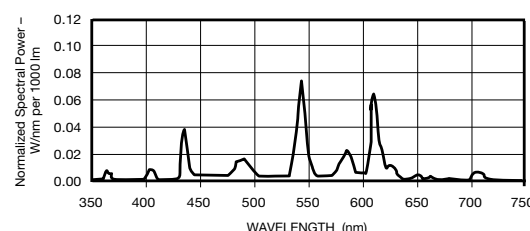
FBO30/830XP/6/SS/ECO



FBO30/835XP/6/SS/ECO



FBO30/841XP/6/SS/ECO



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