

OCTRON® FO96 XP™ SUPERSAVER® ECO® Fluorescent Lamps



- 55W 8' SUPERSAVER energy saving T8 lamp
- Designed to pass Federal TCLP¹ test
- Retrofit lamp for 8' T8 265mA lamps
- Same initial and higher mean lumens than FO96/700 lamps
- 20% Longer lamp life than FO96/700 and 800 lamps – 18,000 hours average rated life @ 3hrs/start
- Minimum starting temperature 60°F
- Not dimmable
- 3000K, 3500K, 4100K color temperatures, 85 CRI
- Single-pin bases
- Operate on the QUICKTRONIC and QUICKTRONIC Professional series ballasts
- QUICK 60+® warranty

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



SYLVANIA 55 Watt OCTRON FO96 SUPERSAVER ECOLOGIC lamps operate on standard 8 foot T8 instant start systems.

At \$.10 per kWh and 4000 hours of operation per year the energy reduction translates to a savings of \$3.20 per fixture per year with a normal ballast factor, instant start ballast. The initial lumen output and 94% lumen maintenance of the OCTRON FO96 SUPERSAVER ECOLOGIC help assure that light levels are maintained while energy is saved. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states. Three different color options are available: 830 with a color temperature of 3000K, 835 with a color temperature of 3500K, and 841 with a color temperature of 4100K.

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

Wattage	Description	Initial Lumens
55	F096/830XP/SS/ECO	5700
55	F096/835XP/SS/ECO	5700
55	F096/841XP/SS/ECO	5700

Application Information

Applications

Industrial
Retail
Warehousing/Storage
Recreation

Replacement Options

1. Direct replacement for FO96/700 lamps.
2. Retrofit for F96T12, suggest QT2X59T8 ISN ballast.
3. If higher light levels are needed, suggest QT2X59T8 ISH (PLUS) ballast.
4. If you need <10% THD, we suggest QTP2X59T8-ISN-A ballast.
5. If you need connectors, we suggest QT or QTP2X59T8 ISN-A ballast.

Application Notes

1. Uses the same type single-pin sockets as the F96T12 instant start lamps.
2. Not recommended to be used: (1) at lamp ambient temperatures below 60°F or in drafty locations, (2) on low power factor ballasts, or (3) inverter-operated emergency lighting systems unless ballast is specifically listed for use with 55W lamps.

Ballast Information

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



Sample Specification

Lamp(s) shall be an OCTRON® FO96 XP® SUPERSAVER® ECOLOGIC® T8 single-pin lamp(s) with an average rated life of 18,000 hours. Lamp(s) shall be designed to pass the Federal TCLP test. Lamps shall have a CRI of 85 and a color temperature of (3000K, 3500K, 4100K). Lamps shall be operated by QUICKTRONIC® or QUICKTRONIC Professional series ballasts. Both lamps and ballasts shall be covered by the QUICK 60+® warranty program.

Warranty Information

QUICK 60+ warranty for OSRAM SYLVANIA lamp and ballast combination

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

System Comparison

FO96/700/ECO and FO96/800XP/SS/ECO on standard output ballasts vs F96T12 instant start

Lamp Type & Ballast	System Wattage	Ballast Factor	System Initial Lumens	Lumen Maintenance Factor	System Lumens @4800 Hrs.	Relative Light Output	Energy \$ Savings*
F96T12/CW/SS w/e.s. magnetic	126	88%	9328	88%	8209	100%	-0-
F96T12/D41/SS w/e.s. magnetic	126	88%	9856	90%	8870	109%	-0-
FO96/741/ECO w/QT2X59ISN	110	88%	10,032	90.8%**	9109	111%	\$6.40
FO96/841XP/SS/ECO w/QT2X59ISN	102	88%	10,032	96%**	9630	117%	\$9.60

* Based on 4000 hours/year and \$.10/kWh
 ** Lumen maintenance factor at 4800 hours

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base	Avg. Rated Life (hrs.) ¹	Initial Lumens	Mean Lumens ²	CCT	CRI	Case Qty.
22099	FO96/830XP/SS/ECO	55	T8	Single Pin	18,000	5700	5360	3000K	85	24
22100	FO96/835XP/SS/ECO	55	T8	Single Pin	18,000	5700	5360	3500K	85	24
22101	FO96/841XP/SS/ECO	55	T8	Single Pin	18,000	5700	5360	4100K	85	24

1. Based on 3 hours per start on instant start ballasts. At 12 hours/start, average rated life = 26,000 hours on instant start ballasts.
 2. Measured @ 7200 hours

Ordering Guide

F0	96	/	8	35	XP	/	SS	/	ECO
Fluorescent OCTRON	96" MOL Nominal Length		CRI = 85	30 = 3000K 35 = 3500K 41 = 4100K Color Temperature	EXtended Performance		SUPERSAVER		ECOLOGIC

OSRAM SYLVANIA
 National Customer
 Service and Sales Center
 18725 N. Union Street
 Westfield, IN 46074

Industrial & Commercial

Phone: 1-800-255-5042
 Fax: 1-800-255-5043

National Accounts

Phone: 1-800-562-4671
 Fax: 1-800-562-4674

OEM/Specialty Markets

Phone: 1-800-762-7191
 Fax: 1-800-762-7192

Photo-Optic

Phone: 1-888-677-2627
 Fax: 1-800-762-7192

OSRAM SYLVANIA
 Ballast Division
 800 N. Church Street
 Lake Zurich, IL 60047
 Phone: 1-800-654-0089
 Fax: 1-847-726-6424

In Canada
 OSRAM SYLVANIA LTD.
 Headquarters
 2001 Drew Road
 Mississauga, ON L5S 1S4

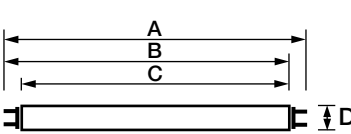
Industrial & Commercial

Phone: 1-800-263-2852
 Fax: 1-800-667-6772

Special Markets

Phone: 1-800-265-2852
 Fax: 1-800-667-6772

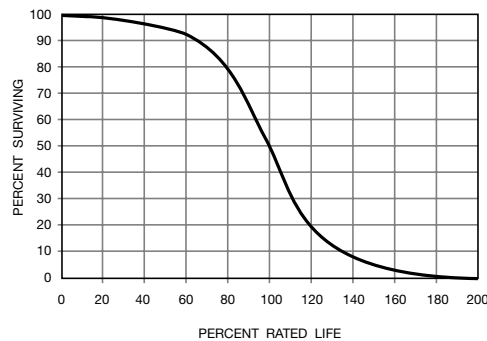
Dimensions



		(A) Maximum Overall Length (in.)	(B) Base Face to Opposite Pin (in.)	(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
FO96	Min.	93.74"	93.42"	93.10"	0.944"
	Max.	94.00"	93.65"	93.30"	1.096"

Technical Information

Typical Fluorescent Lamp Mortality



FO96 SS Maintenance

