

OCTRON® HO/ECOLOGIC®

T8 Fluorescent Lamps



- OCTRON T8 High Output ECOLOGIC® Lamps
 - Designed to pass the Federal TCLP test¹
 - Energy saving alternative to T12 HO lamps and magnetic ballasts
- 50% longer lamp life than T12 HO lamps
 - 18,000 hours vs 12,000 hours average rated life
- 94% Lumen Maintenance
- 3500K and 4100K Color Temperatures
- CRI:
 - 700 Series: 78
 - 800 Series: 85
- Recessed Double Contact bases
- Operate on the QUICKTRONIC® ballasts
- QUICK 60+® System Warranty

SYLVANIA OCTRON HO/ECOLOGIC fluorescent lamps are designed to pass the Federal Toxicity Characteristic Leaching Procedure (TCLP)¹ criteria for classification as non-hazardous waste in most states.²



1. TCLP test results are based on NEMA LL Series and are available on request.
2. Lamp disposal regulations may vary; check your local & state regulations.

The OCTRON High Output ECOLOGIC® lamps and energy efficient electronic ballasts can be used instead of T12 HO lamps and ballasts to reduce power consumption. For example, retrofitting from F96T12/CW/SS on energy saving magnetic ballasts saves 13% of the total power. The 50% longer lamp life and improved lumen maintenance of the OCTRON HO/ECO lamps can result in extended group re-lamping cycles, reduced re-lamp costs as well as reduced lamp disposal costs.

When OCTRON HO/ECO lamps are operated by QUICKTRONIC electronic ballasts, the QUICK 60+ System Warranty covers both lamps and ballasts.

These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states.

Product Availability

Lamp	Wattage	Initial Lumens	CRI	Avg. Rated Life (hrs.)
F096/700/HO/ECO	86	8000	78	18,000
F096/800/HO/ECO	86	8200	85	18,000

Application Information

Applications

Industrial	Warehousing/Storage
Retail	Recreation
Signage	Refrigeration Cases

Replacement Options

Retrofit for 8' T12 HO lamps with a ballast change.

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. If retrofitting T12/HO system, socket change recommended, but not required.
2. Minimum starting temperature dependent on ballast.
3. Operation below 50°F may affect lumen output or lamp operation.
4. For cold temperature applications, use in enclosed fixture or use tube guards to maximize lamp performance.



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Sample Specification

Lamp(s) shall be an OCTRON® HO/ECO® T8 lamp(s) with recessed double contact bases and an average rated life of 18,000 hours. Lamp(s) shall have a CRI of (78 or 85) and a color temperature of (3500K or 4100K). Lamps shall be operated by QUICKTRONIC® electronic ballasts. Both lamps and ballasts shall be covered by the QUICK 60+® warranty program.

WARRANTY INFO

QUICK 60+® OSRAM SYLVANIA lamp and ballast combination

Limited 24 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.

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base¹	Avg. Rated Life (hrs.)²	Initial Lumens	Mean Lumens³	CCT K	CRI	Case Qty.
22204	F096/735/HO/ECO	86	T8	RDC	18,000	8000	7520	3500	78	24
22205	F096/741/HO/ECO	86	T8	RDC	18,000	8000	7520	4100	78	24
22206	F096/835/HO/ECO	86	T8	RDC	18,000	8200	7710	3500	85	24
22207	F096/841/HO/ECO	86	T8	RDC	18,000	8200	7710	4100	85	24

1. RDC = Recessed Double Contact.

2. Based on 3 hours/start.

3. Mean lumens at 7200 hours, 40% of 18,000 hours. Lamp lumen maintenance factor at 4800 hours = 95%; use for comparison to 12,000 hour life lamps.

System Comparison

OCTRON F096 HO/ECO vs. F96T12 HO

Lamp Type & Ballast	System Wattage	Ballast Factor	System Initial Lumens	Lumen Maint. Factor	System Lumens @ 4800 hrs.	Relative Light Output	Relative Lamp Life	Relative Power (Wattage)	Energy \$ Savings*
F96T12/CW/HO/SS w/ e.s. magnetic	203	.91	14,560	.81	11,795	100%	100%	100%	—
F96T12/D41/HO/SS w/ e.s. magnetic	203	.91	15,200	.90	13,680	116%	100%	100%	—
F096/741/HO/ECO w/2-QTP 1x86T8HO	176	.875	14,000	.95	13,300	113%	150%	87%	\$10.80
F096/841/HO/ECO w/2-QTP	176	.875	14,350	.95	13,630	116%	150%	87%	\$10.80

* Based on 4,000 hours/year and \$.10/kWh

Ordering Guide

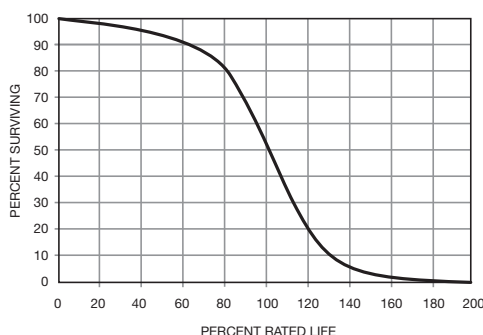
FO	96	/	7	35	/	HO	/	ECO
Fluorescent	96" MOL		7 = 78 CRI	35 = 3500K		High		ECOLOGIC®
OCTRON	Nominal Length		8 = 85 CRI	41 = 4100K		Output		
				Color Temperature				

Dimensions

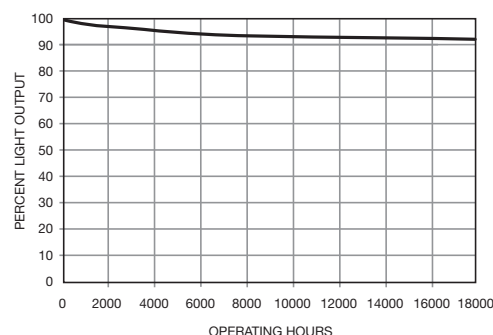
	(A) MOL	(B) Bulb Diameter
FO96 HO	Min. 93.72" Max. 93.91"	0.94" 1.10"

Technical Information

Typical Fluorescent Lamp Mortality



OCTRON HO Maintenance



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