

OCTRON® HO/ECOLOGIC®

T8 Fluorescent Lamps



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.

Application Information

Applications

- Industrial
- Recreation
- Refrigeration cases
- Retail
- Signage
- Warehousing/Storage

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 SYLVANIA sales representative for a list of compatible electronic operating systems.

Key Features & Benefits

- 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 OSRAM 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.



Product Offering

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 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.



Specification Data

Catalog #	Type
Project/Job	
SYLVANIA Lamp	
SYLVANIA Ballast	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base ¹	Avg. Rated Life @3hrs/start IS	Avg. Rated Life @12hrs/start IS	Initial Lumens	Mean Lumens ²	CCT	CRI
22204	F096/735/HO/ECO	86	T8	RDC	18,000	27,000	8000	7520	3500K	78
22205	F096/741/HO/ECO	86	T8	RDC	18,000	27,000	8000	7520	4100K	78
22206	F096/835/HO/ECO	86	T8	RDC	18,000	27,000	8200	7710	3500K	85
22207	F096/841/HO/ECO	86	T8	RDC	18,000	27,000	8200	7710	4100K	85

1. RDC = Recessed Double Contact.
2. 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.

Ordering Guide

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

System Comparison

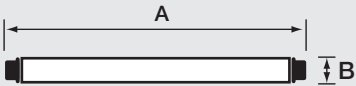
OCTRON F096 HO/ECO vs. F96T12 HO

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

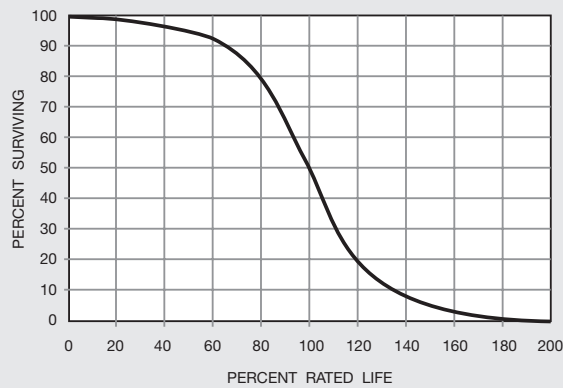
Lamp Dimensions

	(A) MOL	(B) Bulb Diameter
F096 HO	Min. 93.72"	0.94"
	Max. 93.91"	1.10"

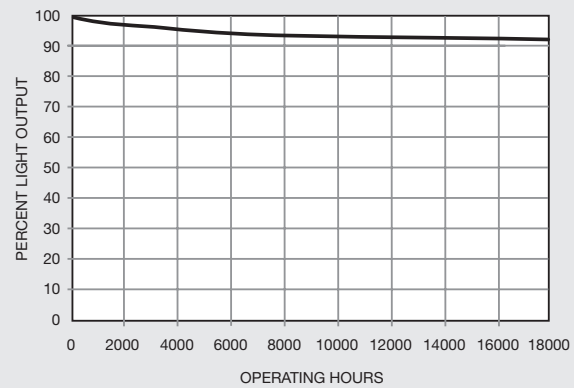


Technical Information

Typical Fluorescent Lamp Mortality



OCTRON® HO Maintenance



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 OSRAM QUICKTRONIC® electronic ballasts. Both lamps and ballasts shall be covered by the QUICK 60+® warranty program.

LEDVANCE LLC
200 Ballardvale Street
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.sylvania.com

SYLVANIA and LEDVANCE are registered trademarks.
All other trademarks are those of their respective owners.
Product Licensee of Trademark SYLVANIA in General Lighting.
Specifications subject to change without notice.



/sylvania



/sylvania

