

OCTRON® FO96 HIGH OUTPUT Fluorescent Lamps



- 8-foot OCTRON T8 High Output Lamps
- Energy saving alternative to F96T12/HO lamps and magnetic ballasts
- 50% longer lamp life than F96T12 HO lamps
 - 18,000 hours vs 12,000 hours average rated life
- Initial Lumens
 - 700 Series: 8000
 - 800 Series: 8200
- 90% Lumen Maintenance
- 3500K and 4100K Color Temperatures
- CRI
 - 700 Series: 75
 - 800 Series: 80 - 84
- Recessed Double contact bases
- Operate on the QUICKTRONIC® ballasts
- QUICK 60+® System Warranty

The OCTRON FO96 High Output lamps and energy efficient electronic ballasts can be used instead of F96T12/HO/SS lamps and energy saving magnetic ballasts to reduce power consumption by 13%. The 50% longer lamp life and improved lumen maintenance of the FO96 HO lamps can result in extended group re-lamping cycles, reduced re-lamp costs as well as reduced lamp disposal costs.

When FO96/HO lamps are operated by the QUICKTRONIC electronic ballasts, the QUICK 60+ System Warranty covers both lamps and ballasts.

Product Availability

Lamp Type	Initial Lumens	Color Temperature	CRI
F096/735/HO	8000	3500K	75
F096/741/HO	8000	4100K	75
F096/835/HO	8200	3500K	84
F096/841/HO	8200	4100K	80

Application Information

Applications

Industrial
Warehousing/Storage
Big box retail
Recreation
Signage
Refrigeration cases

Replacement Options

1. Retrofit for F96T12/HO lamp with 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 F96T12/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 fixtures or use tube guards to maximize lamp performance.

SYLVANIA

Sample Specification

Lamp(s) shall be an OCTRON FO96 High Output T8 lamp(s) with recessed double contact bases and an average rated life of 18,000 hours. Lamp(s) shall have a CRI of (75, 80 or 84) 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 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

OCTRON FO96 HO 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 w/2-QTP 1x86T8HO	176	.875	14,000	.92	12,880	109%	150%	87%	\$10.80
F096/841/HO w/2-QTP 1x86T8HO	176	.875	14,350	.92	13,200	112%	150%	87%	\$10.80

*Based on 4000 hours/year and \$.10/kWh

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base ¹	Avg. Rated Life (hrs.) ²	Initial Lumens	Mean Lumens ³	Case CCT	CRI	Qty.
22041	F096/735/HO	86	T8	RDC	18,000	8000	7200	3500K	75	24
22042	F096/741/HO	86	T8	RDC	18,000	8000	7200	4100K	75	24
22037	F096/835/HO	86	T8	RDC	18,000	8200	7380	3500K	84	24
22040	F096/841/HO	86	T8	RDC	18,000	8200	7380	4100K	80	24

1. RDC = Recessed Double Contact.
2. Based on 3 hours/start.
3. Mean lumens at 7200, 40% of 18,000 hours. Lamp lumen maintenance factor at 4800 hours = 92%; use for comparison to 12,000 hour life lamps.

Ordering Guide

F0	96	/	7	35	/	HO
Fluorescent OCTRON	96" MOL Nominal Length		7 = 75 CRI 8 = 80 or 84 CRI	35 = 3500K 41 = 4100K Color Temperature		High Output

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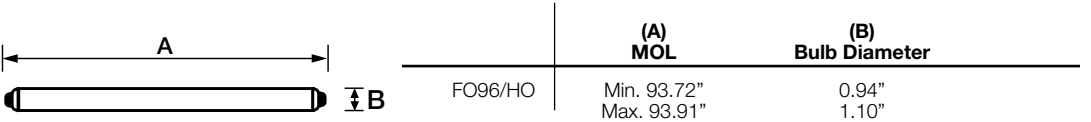
Industrial & Commercial

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Special Markets

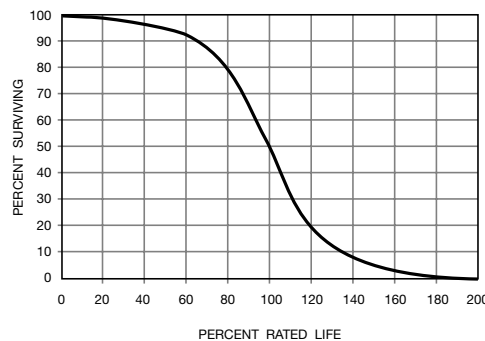
Phone: 1-800-265-2852
Fax: 1-800-667-6772

Dimensions



Technical Information

Typical Fluorescent Lamp Mortality



Lumen Maintenance Curve

