

OCTRON® 950

Fluorescent Lamps



SYLVANIA OCTRON 950 lamps are ideal for color critical applications. These full spectrum 5000K, 90CRI OCTRON T8 lamps provide exceptional color rendering properties for display, backlighting and other color matching applications.

OSRAM SYLVANIA also offers a system solution with our QUICKTRONIC® ballasts and lamps. QUICK 60+® warranty offered. (See back page for details).

Application Information

Applications

Color Matching

- Graphic arts
- Textile industry

Backlighting

- Displays
- Signs

Key Features & Benefits

- Full spectrum T8 lamps
- Excellent color rendering
 - 90 CRI
- 5000K color temperature
- Energy efficient retrofit for T12 lamps
 - Up to 40% energy savings
- Operate on QUICKTRONIC Systems
 - System 32, 32/LP or 32 PLUS ballasts



Product Offering

Lamp Types	Wattage	CCT
F014/950/20in	14	5000K
F017/950/24in	17	5000K
F021/950/30in	21	5000K
F025/950/36in	25	5000K
F028/950/40in	28	5000K
F032/950/48in	32	5000K
F040/950/60in	40	5000K

Application Notes

1. Lamps starting down to 0°F (dependant on ballast).
2. Operation below 50°F may affect lumen output or lamp operation.
3. For cold temperature applications use in enclosed fixture or use tube to maximize lamp performance.
4. For rapid start operation, check with ballast manufacturer for ground plane requirement.
5. For maximum energy savings operate on electronic instant start ballast.



Specification Data

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

Ordering Information

Item Number	Ordering Abbreviation	Wattage	Initial Lumens	Mean* Lumens	Average Rated Life				Color Temp.	CRI
					Instant Start 3 hrs/start	Instant Start 12 hrs/start	Programmed Rapid Start 3 hrs/start	Programmed Rapid Start 12 hrs/start		
21868	F014/950/20"	14	750	640	15,000	—	20,000	—	5000K	90
21871	F017/950/24"	17	800	680	15,000	—	20,000	—	5000K	90
21869	F021/950/30"	21	1000	850	15,000	—	20,000	—	5000K	90
21872	F025/950/36"	25	1250	1065	15,000	—	20,000	—	5000K	90
21870	F028/950/40"	28	1400	1190	15,000	—	20,000	—	5000K	90
21880	F032/950/48"	32	1880	1530	15,000	24,000	20,000	28,000	5000K	90
21873	F040/950/60"	40	2200	1870	15,000	24,000	20,000	28,000	5000K	90

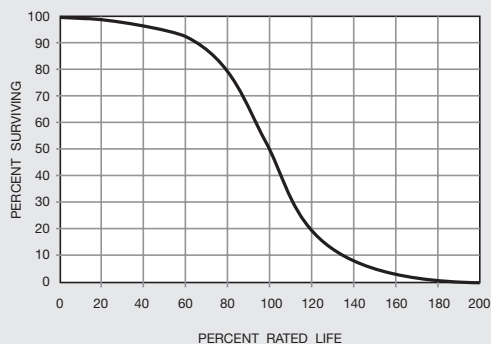
*Measured at 40% of rated life.

Ordering Guide

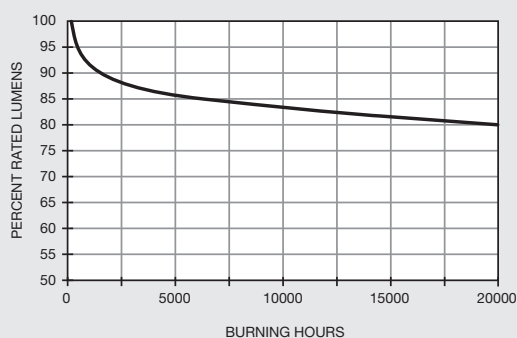
FO Fluorescent OCTRON®	14 Wattage: 14, 17, 21, 25, 28, 32 and 40 watts	/	9 9 = 90 CRI	/	50 50 = 5000K	/	20 Bulb length
----------------------------------	--	---	------------------------	---	-------------------------	---	--------------------------

Technical Information

Typical Fluorescent Lamp Mortality

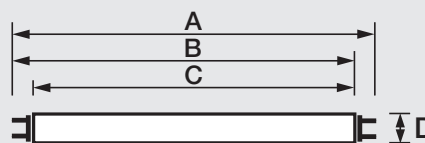


Lumen Maintenance Curve



Lamp Dimensions

Ordering Abbreviation	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.)	(C) Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
F014/950/20"	19.78	19.22	19.50	1.1
F017/950/24"	23.78	23.22	23.50	1.1
F021/950/30"	29.78	29.22	29.50	1.1
F025/950/36"	35.78	35.22	35.50	1.1
F028/950/40"	39.78	39.22	39.50	1.1
F032/950/48"	47.78	47.22	47.50	1.1
F040/950/60"	59.61	59.05	59.33	1.1



Sample Specification

Lamp shall be an OCTRON® 950 fluorescent lamp having medium bi-pin bases. Lamp shall have a correlated color temperature of 5000K and a CRI of 90. Lamp length shall be (20", 24", 30", 36", 40", 48" and 60"). Lamps shall be operated on a (magnetic rapid start, electronic instant start, electronic rapid start) ballast.

