

OCTRON® 950 Fluorescent Lamps



- Full spectrum T8 lamps
- Excellent color rendering – 90 CRI
- 5000K color temperature
- Energy efficient retrofit for T12 lamps
 - Up to 40% energy savings
- 20,000-hour average rated lamp life
- Operate on QUICKTRONIC* Systems
 - System 32, 32/LP or 32 PLUS ballasts

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)

* QUICKTRONIC is a registered trademark of OSRAM GmbH, Germany, used under license by OSRAM SYLVANIA Inc.

PRODUCT AVAILABILITY

Watts	Nominal Length	Rated Lumens
14W	20"	750
17W	24"	800
21W	30"	1000
25W	36"	1250
28W	40"	1400
32W	48"	1675
40W	60"	2200

LAMP COMPARISON

Lamp Type	Ballast	Ballast Factor	System Watts	System Lumens	Mean System Lumens	Mean System LPW
F40DSGN50	Energy Saving Magnetic	0.95	86	3180	2700	31
FO32/950	System 32	0.90	59	3015	2560	43
	System 32 PLUS	1.2	78	4020	3420	44

APPLICATION INFORMATION

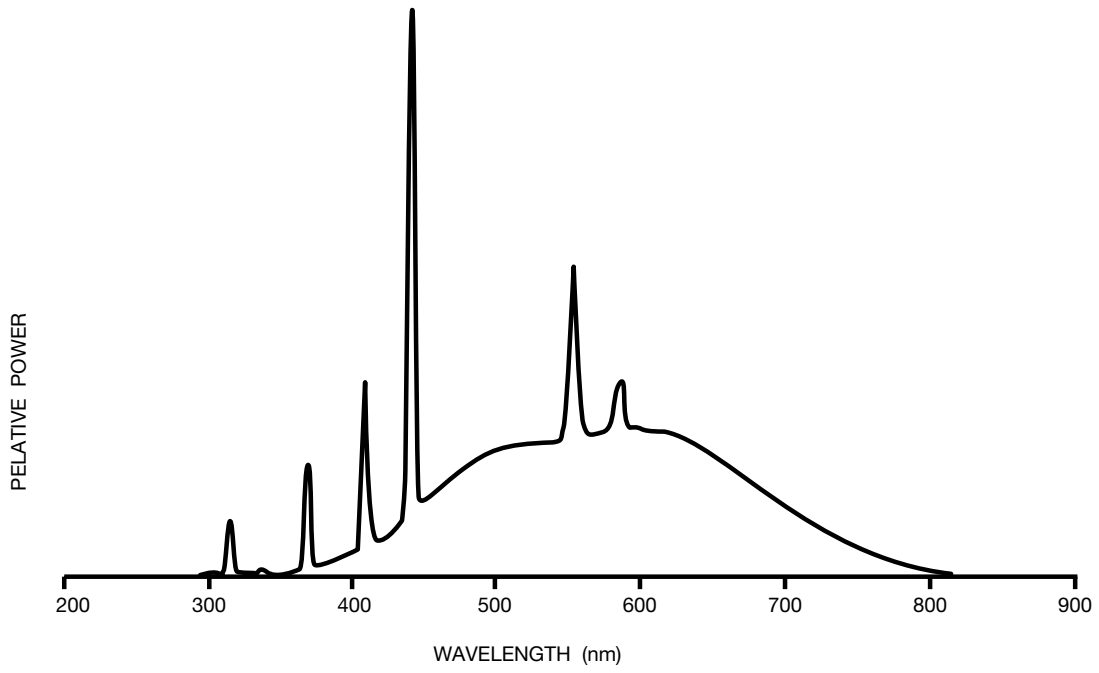
Applications

- Color matching
- Graphic arts
 - Textile industry
- Backlighting
- Signs
 - Displays

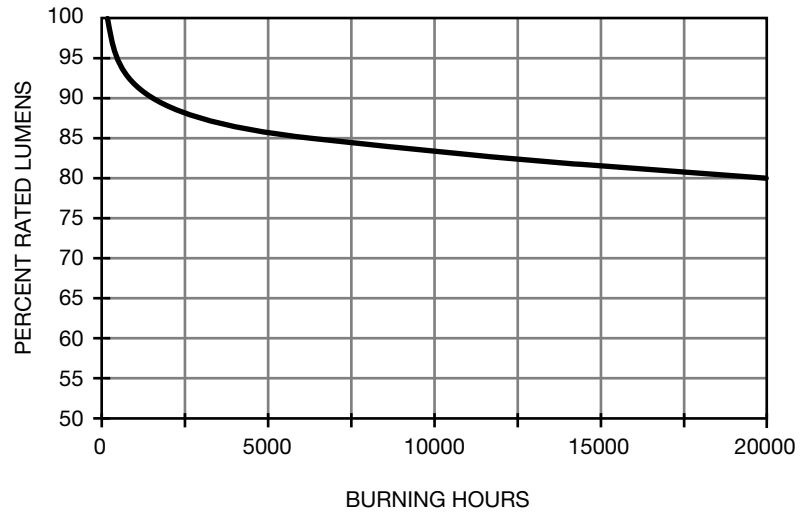
Application Notes

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

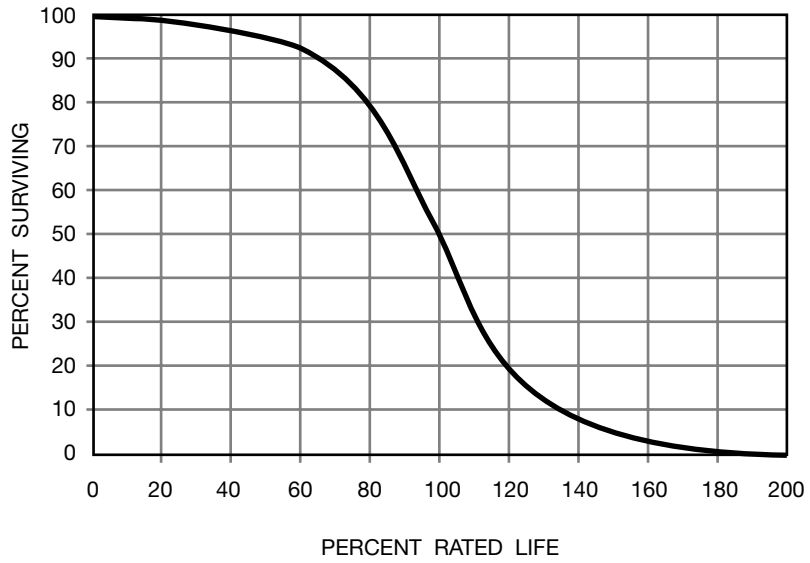
Spectral Power Distribution



OCTRON 950 Lumen Maintenance Curve



Typical Fluorescent Lamp Mortality



ORDERING AND SPECIFICATION INFORMATION

Item Number	Ordering Abbreviation	Watts	Initial Lumens	Mean Lumens	Av. Rated Life (hrs)*	Bulb	Nominal Length	Base	Color Temp.	CRI
21868	FO14/950/20"	14	750	640	20,000	T-8	20	Medium Bi-Pin	5000K	90
21871	FO17/950/24"	17	800	680	20,000	T-8	24	Medium Bi-Pin	5000K	90
21869	FO21/950/30"	21	1000	850	20,000	T-8	30	Medium Bi-Pin	5000K	90
21872	FO25/950/36"	25	1250	1060	20,000	T-8	36	Medium Bi-Pin	5000K	90
21870	FO28/950/40"	28	1400	1190	20,000	T-8	40	Medium Bi-Pin	5000K	90
21880	FO32/950/48"	32	1675	1420	20,000	T-8	48	Medium Bi-Pin	5000K	90
21873	FO40/950/60"	40	2200	1870	20,000	T-8	60	Medium Bi-Pin	5000K	90

* Based on 3 hours per start on rapid start reference ballast

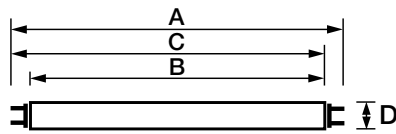
SAMPLE SPECIFICATION

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.

ORDERING GUIDE

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

DIMENSIONS



Ordering Abbreviation	(A) MOL (in)	(B) Max. Base Face to Base Face (in)	(C) Max. Base Face to Opposite Pin (in)	(D) Max. Outside Diameter (in)
FO14/950/20"	19.78	19.22	19.50	1.1
FO17/950/24"	23.78	23.22	23.50	1.1
FO21/950/30"	29.78	29.22	29.50	1.1
FO25/950/36"	35.78	35.22	35.50	1.1
FO28/950/40"	39.78	39.22	39.50	1.1
FO32/950/48"	47.78	47.22	47.50	1.1
FO40/950/60"	59.61	59.05	59.33	1.1

WARRANTY INFO

Quick 60+ OSRAM SYLVANIA lamp and ballast combination – Limited two-year lamp warranty and a five-year ballast warranty is possible if both lamp and ballast are provided by OSRAM SYLVANIA. See the Quick 60+ warranty for details and restrictions.

FOR ORDERS AND GENERAL INFORMATION

OSRAM SYLVANIA National Customer Support Center, 18725 N. Union Street, Westfield, IN 46074

Industrial & Commercial

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