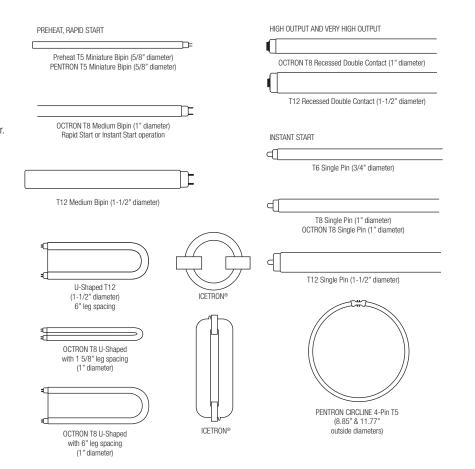
FLUORESCENT LAMPS

The bulb shape and size of a fluorescent lamp are expressed by means of a code consisting of the letter "T" (which designates that the bulb is "tubular" in shape) followed by a number that expresses the diameter in eighths of an inch. Diameters range from T5 at 5%" diameter to T17 (21/8 inch). In nominal overall length, linear fluorescent lamps range from 6 to 96 inches. The nominal length is measured from back of lamp holder to back of lamp holder. For example, the actual overall length of the 40-watt rapid start T12 lamp with a nominal length of 48 inches is $47^{3}/_{4}$ inches. The nominal length given for PENTRON® linear lamps is the closest familiar nominal length. CURVALUME® U-shaped fluorescent lamps are available as OCTRON® T8 lamps with leg spacings of 15% inches and 6 inches and as rapid start T12 lamps with 6 spacings of 6 inches. The leg spacing is measured from the center of one leg to the center of the other leg. The overall length of the CURVALUME lamps is measured from the face of the bases to the outside of the glass bend. Circline lamps, which are circular in shape, are available in PENTRON T5 lamps with outside diameters of 8.85 and 11.77 inches.



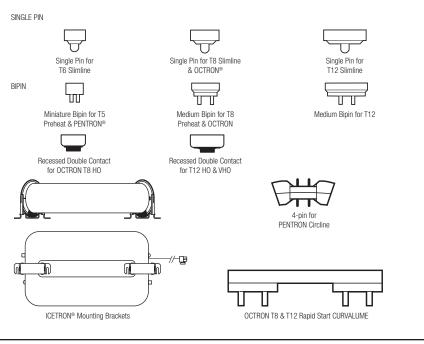
(5/8" diameter)



BASES

For linear Preheat and Rapid Start Lamps, four electrical contacts are required, two at each end of the lamp. This is accomplished in the standard line of lamps by the use of a miniature bipin base for T5 lamps and a medium bipin for T8 and T12 lamps. The OCTRON® T8 medium bipin lamps may also be operated as instant start lamps with the proper wiring and ballasts. When operating OCTRON bipin lamps with instant start ballasts, the two contacts in the lamp holder are shorted together and connected to the single circuit in the ballast. In Circline lamps, the cathodes are connected to a 4-pin base located between the junction of the two ends of the lamp. High Output (HO) and Very High Output (VHO) lamps have recessed double contact (RDC) type bases. Slimline Instant Start lamps require only two electrical

on each lamp end and have single pin bases.



HOW TO READ PRODUCT INFORMATION - FLUORESCENT

Nominal Bulb Wattage Shape		MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Life @ 3hrs/ start IS	Life @ 12hrs/ start IS	Life @ 3hrs/ start PRS	Life @ 12hrs/ start PRS	ССТ	CRI	Approx. Lumens Initial (Mean) at 25°C/77°F	Notes
28 T8	48	47.78	Med Bipin	22483	F028/835/XPPLUS/SS/EC03	30	24000	46000	46000	52000	3500	85	2675 (2515)	/ , <u>♣</u> ,3, 12,13,17,19
				22484	F028/841/XPPLUS/SS/EC03	30	24000	46000	46000	52000	4100	85	2675 (2515)	/ , <u>♣</u> ,3, 12,13,17,19
				22485	F028/850/XPPLUS/SS/EC03	30	24000	46000	46000	52000	5000	81	2675 (2515)	/ , <u>♣</u> ,3, 12,13,17,19
Nominal Wattage Named wattage on reference ballast. Actual wattage depends on ballast.														
Bulb Describes the shape of the bulb followed by the bulb's diameter at its widest point. The diameter value is expressed in eighths of an inch. Ex. T = Tubular, $8 = \frac{8}{8}$ inch = 1 inch. Please see page 80 for bulb illustrations.														
Base		Please see page 80 for base illustrations.												
Nominal Len	gth	The nominal length of linear fluorescent lamps is typically measured from back of lampholder to back of lampholder. PENTRON® linear lamp, CURVALUME® and Circline lamps are exceptions. The nominal length given for PENTRON linear lamps is the closest familiar nominal length. CURVALUME lamps are measured from the face of the bases to the outside of the glass bend. The measurement for Circline lamps is the outside diameter. Values are in inches.												
MOL		Ma	Maximum overall length. The length of the lamp measured in inches.											
Symbols & Footnotes		Most symbols and footnotes that apply to a specific product will appear in this space. The explanations of the symbols and footnotes are at the end of the fluorescent section.												
Ordering Abbreviation		A text description of the lamp. Please see below for several examples and explanations of some of the codes.												
CCT		Со	Correlated Color Temperature. The degree of "whiteness" of the light. Expressed in Kelvins (K). Please see page 114 for more information.											
CRI		Со	Color Rendering Index. A numbering system for rating the relative color rendering quality of a light source compared to a standard.											
Initial & Mean Lumen	ıs	Initial lumens are measured when the lamp has been operating for 100 hours. Mean lumens are typically measured at 40% of the rated life of the lamp. Fluorescent lamp lumens are typically measured at 25°C (77°F). The lamp lumens are measured at both 25°C (77°F) and 35°C (95°F) for PENTRON® linear lamps.												

HOW TO READ ORDERING ABBREVIATIONS

F0	32/835XP/EC0	F340	cwx/ss	FP54	/830/H0/EC0	F96T12/CWX/SS/UPC			
F 0 32 8 35 XP		F 34 CWX SS	Fluorescent Nominal lamp wattage Cool White Deluxe Phosphor SUPERSAVER® – reduced wattage lamp	F P 54 8 30 H0	Fluorescent PENTRON® Nominal lamp wattage 85 CRI 3000K CCT High Output	SS	Fluorescent 96" nominal length Tubular Shape Bulb Bulb diameter; 1% inch = 1½ inches Cool White Deluxe phosphor SUPERSAVER – reduced wattage lamp		
EC	0® ECOLOGIC® – TCLP passing lamp			ECO [©]	© ECOLOGIC® — TCLP passing lamp	UPC	UPC Label		

LAMP DISPOSAL LABELING

The following information appears on the packages of fluorescent lamps.



LAMP CONTAINS MERCURY

Manage in accordance with disposal laws See www.lamprecycle.org or 1-866-666-6850

For weight and measurement information, please visit www.sylvania.com

OCTRON® 800 XP® ECOLOGIC® Lamps

Nominal Wattage	Bulb Shape	Nom. Length (in)	MOL (in)	Base	Product Number	Ordering Abbreviation	Pkg Qty	Average Rated Life @3hrs/ start IS (hrs)	Average Rated Life @12hrs/ start IS (hrs)	Average Rated Life @3hrs/ start PRS (hrs)	Average Rated Life @12hrs/ start PRS (hrs)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
17	Т8	24	23.78	Med Bipin	21587	F017/827/XP/EC03	30	24000	40000	40000	42000	2700	85	1375 (1290)	€ , <u></u> ,3,12, 13,17,19
					21785	F017/830/XP/EC03	30	24000	40000	40000	42000	3000	85	1375 (1290	€ , ≜ ,3,12, 13,17,19
					21778	F017/835/XP/EC03	30	24000	40000	40000	42000	3500	85	1375 (1290	ℓ , <u></u> ,,3,12, 13,17,19
					21907	F017/841/XP/EC03	30	24000	40000	40000	42000	4100	85	1375 (1290	€ , ,3,12, 13,17,19
					22193	F017/850/XP/EC03	30	24000	40000	40000	42000	5000	85	1375 (1290	ℓ , <u>♣</u> ,3,12, 13,17,19
					21718	F017/865/XP/EC0	30	24000	40000	40000	42000	6500	85	1250 (1175)	€ , ,3,12, 13,17,19
25	Т8	36	35.78	Med Bipin	21910	F025/830/XP/EC03	30	24000	40000	40000	42000	3000	85	2175 (2045)	∕ , <u>♣</u> ,3,12, 13,17,19
					21776	F025/835/XP/EC03	30	24000	40000	40000	42000	3500	85	2175 (2045)	/ , ≜ ,3,12, 13,17,19
					21774	F025/841/XP/EC03	30	24000	40000	40000	42000	4100	85	2175 (2045)	€ , ,3,12, 13,17,19
					22194	F025/850/XP/EC03	30	24000	40000	40000	42000	5000	85	2175 (2045)	/ , ≜ ,3,12, 13,17,19
					21719	F025/865/XP/EC0	30	24000	40000	40000	42000	6500	85	2025 (1905)	/ , ≜ ,3,12, 13,17,19
32	Т8	48	47.78	Med Bipin	22039	F032/827/XP/EC03	30	24000	40000	40000	42000	2700	85	3000 (2820)	E , / , ≜ ,3, 12,13,17,19
					21759	F032/830/XP/EC03	30	24000	40000	40000	42000	3000	85	3000 (2820)	(E) , (2 , 13, 17, 19
					21763	F032/835/XP/EC03	30	24000	40000	40000	42000	3500	85	3000 (2820)	(E) , / , 1 ,3, 12,13,17,19
					21767	F032/841/XP/EC03	30	24000	40000	40000	42000	4100	85	3000 (2820)	E , / , ≜ ,3, 12,13,17,19
					22026	F032/850/XP/EC03	30	24000	40000	40000	42000	5000	85	3000 (2820)	E , / , ≜ ,3, 12,13,17,19
					21720	F032/865/XP/EC0	30	24000	40000	40000	42000	6500	85	2900 (2725)	E , € , ♣ ,3, 12,13,17,19
					22594	F032/SKYWHITE/XP/EC03	30	24000	40000	40000	42000	8000	85	2650 (2490)	, <u>**</u> ,, <u>**</u> , 3,12,13,17,19
40	Т8	60	59.61	Med Bipin	21912	F040/830/XP/EC03	30	24000	40000	40000	42000	3000	85	3750 (3525)	ℓ , <u>♣</u> ,3,12, 13,17,19
					21911	F040/835/XP/EC03	30	24000	40000	40000	42000	3500	85	3750 (3525)	€ , ≜ ,3,12, 13,17,19
					21916	F040/841/XP/EC03	30	24000	40000	40000	42000	4100	85	3750 (3525)	€ , <u></u> ,3,12, 13,17,19
					21721	F040/865/XP/EC03	30	24000	40000	40000	42000	6500	85	3650 (3430)	€ , <u>♣</u> ,3,12, 13,17,19