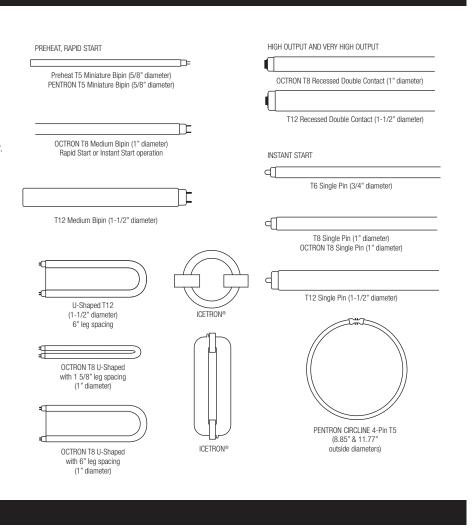
FLUORESCENT LAMPS

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 (21/2 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 47³/₄ 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 1% 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.

-PENTRON T5 and T5H0 SEAMLESS (5/8" diameter)

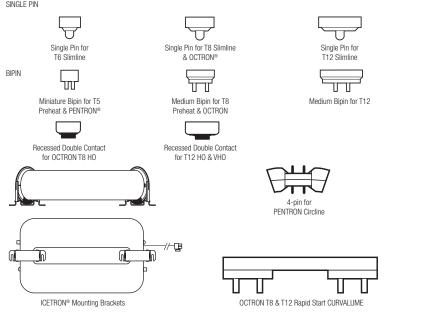


BASES

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 contacts, one

on each lamp end and have single pin bases.

SINGLE PIN



Т

F

HOW TO READ PRODUCT INFORMATION – FLUORESCENT															
Nominal Bult Wattage Shap			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)	ℓ,,, 3, 12,13,17,19	
				22484	F028/841/XPPLUS/SS/EC03	30	24000	46000	46000	52000	4100	85	2675 (2515)	ℓ, ,, 3, 12,13,17,19	
			22485 F028/850/XPPLUS/SS/EC03 30 24000 46000 52000 5000 81 2675 (2515) *(
Nominal Wa	nal 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 = 8_{18} inch = 1 inch. Please see page 80 for bulb illustrations.															
Base		Ple	Please see page 80 for base illustrations.												
Nominal Ler	ıgth	lar ler	np, CU 1gth. C	IRVALUME® URVALUME	of linear fluorescent lamps is typical and Circline lamps are exceptions. I lamps are measured from the face ater. Values are in inches.	The no	ominal len	gth given t	for PENTF	ON linear	lamps is	the cl	osest familiar nomi		
MOL		Ма	aximun	n overall le	ngth. The length of the lamp measur	ed in i	nches.								
Symbols & Footnotes					pootnotes that apply to a specific pro- pascent section.	duct w	ill appear	in this spa	ice. The e	xplanation	s of the s	symbol	ls and footnotes are	e at	
Ordering Abbreviatior	1	A	text de	scription of	the lamp. Please see below for sev	eral ex	amples ar	nd explana	tions of s	ome of the	e codes.				
ССТ		Сс	rrelate	d Color Ter	nperature. The degree of "whiteness	" of th	e light. Ex	pressed in	ı Kelvins (K). Please	see page	e 114 ⁻	for more informatic	on.	
CRI		Color Rendering Index. A numbering system for rating the relative color rendering quality of a light source compared to a standard.													
Initial & Mean Lume	ns	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

F032/835XP/EC0	F34CWX/SS	FP54/830/H0/EC0	F96T12/CWX/SS/UPC
F Fluorescent 0 OCTRON® 32 Nominal lamp wattage 8 85 CRI 35 3500K CCT XP® EXtended Performance EC0® ECOLOGIC® - TCLP passing lamp	 F Fluorescent 34 Nominal lamp wattage CWX Cool White Deluxe Phosphor SS SUPERSAVER[®] – reduced wattage lamp 	FFluorescentPPENTRON®54Nominal lamp wattage885 CRI303000K CCTHOHigh OutputECO® ECOLOGIC® –TCLP passing lamp	 F Fluorescent 96 96" nominal length T Tubular Shape Bulb 12 Bulb diameter; 1% inch = 1½ inches CWX Cool White Deluxe phosphor SS SUPERSAVER – reduced wattage lamp UPC UPC Label
Manage in accord See <u>www.lamprecycl</u>			·

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C

OCTRO	CTRON [®] 800 XV [®] 8-Foot SUPERSAVER [®] 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)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
50	T8	96	94.00	Single Pin	21426	F096/50W/835/XV/SS/EC0	24	24000	36000	3500	83	5100 (4795)	, 1 2,13,17,
					21425	F096/50W/841/XV/SS/EC0	24	24000	36000	4100	83	5100 (4795)	, / , 1 2,13,17
54	T8	96	94.00	Single Pin	21423	F096/54W/835/XV/SS/EC0	24	24000	36000	3500	83	5400 (5075)	(E), //, (, 3,5, 12, 13, 17
					21424	F096/54W/841/XV/SS/EC0	24	24000	36000	4100	83	5400 (5075)	€, / , ≜ ,3,5, 12,13,17

OCTRON 800 8-Foot 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)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
59	T8	96	94.00	Single Pin	22147	F096/830/EC0	24	18000	24000	3000	82	5900 (5430)	€, / , ≜ , 3,12,13,17
					22148	F096/835/EC0	24	18000	24000	3500	82	5900 (5430)	€, ∕ , ≜ , 3,12,13,17
					22149	F096/841/EC0	24	18000	24000	4100	82	5900 (5430)	€, / , ≜ , 3,12,13,17
					22173	F096/850/EC0	24	18000	24000	5000	80	5900 (5430)	€, / , ≜ , 3,12,13,17

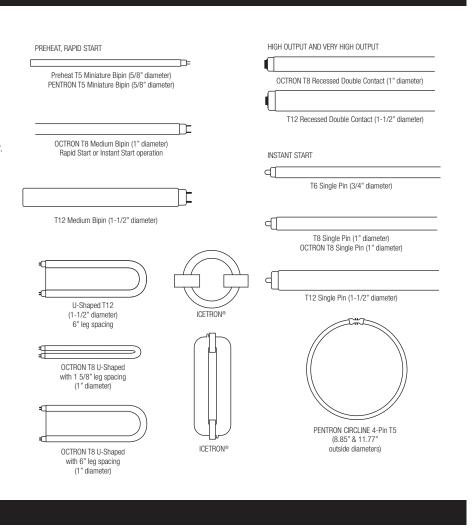
OCTRON 800 8-Foot HO ECOLOGIC Lamps

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)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
86	T8	96	93.91	Recessed Dbl Contact	22204	F096/735/H0/EC0	24	18000	27000	3500	78	8000 (7520)	€, ⊄ , ≜ , 3,12,13,17,36
					22206	F096/835/H0/EC0	24	18000	27000	3500	85	8200 (7710)	€, ⊄ , ≜ , 3,12,13,17,36
					22205	F096/741/H0/EC0	24	18000	27000	4100	78	8000 (7520)	€, / , ≜ , 3,12,13,17,36
					22207	F096/841/H0/EC0	24	18000	27000	4100	85	8200 (7710)	€ , ⊄ , ≜ , 3,12,13,17,36

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 (21/2 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 47³/₄ 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 1% 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.

-PENTRON T5 and T5H0 SEAMLESS (5/8" diameter)

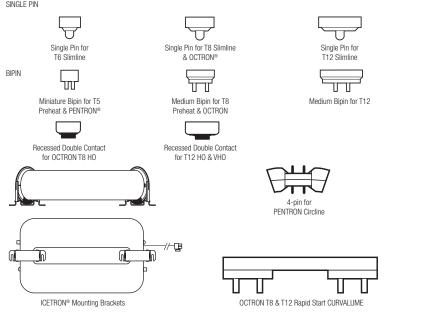


BASES

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on each lamp end and have single pin bases.

SINGLE PIN



Т

F

HOW TO READ PRODUCT INFORMATION – FLUORESCENT															
Nominal Bult Wattage Shap			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)	ℓ,,, 3, 12,13,17,19	
				22484	F028/841/XPPLUS/SS/EC03	30	24000	46000	46000	52000	4100	85	2675 (2515)	ℓ, ,, 3, 12,13,17,19	
			22485 F028/850/XPPLUS/SS/EC03 30 24000 46000 52000 5000 81 2675 (2515) *(
Nominal Wa	nal Wattage Named wattage on reference ballast. Actual wattage depends on ballast.														
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Base		Ple	Please see page 80 for base illustrations.												
Nominal Ler	ıgth	lar ler	np, CU 1gth. C	IRVALUME® URVALUME	of linear fluorescent lamps is typical and Circline lamps are exceptions. I lamps are measured from the face ater. Values are in inches.	The no	ominal len	gth given t	for PENTF	ON linear	lamps is	the cl	osest familiar nomi		
MOL		Ма	aximun	n overall le	ngth. The length of the lamp measur	ed in i	nches.								
Symbols & Footnotes					pootnotes that apply to a specific pro- pascent section.	duct w	ill appear	in this spa	ice. The e	xplanation	s of the s	symbol	ls and footnotes are	e at	
Ordering Abbreviatior	1	A	text de	scription of	the lamp. Please see below for sev	eral ex	amples ar	nd explana	tions of s	ome of the	e codes.				
ССТ		Сс	rrelate	d Color Ter	nperature. The degree of "whiteness	" of th	e light. Ex	pressed in	ı Kelvins (K). Please	see page	e 114 ⁻	for more informatic	on.	
CRI		Color Rendering Index. A numbering system for rating the relative color rendering quality of a light source compared to a standard.													
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HOW TO READ ORDERING ABBREVIATIONS

F032/835XP/EC0	F34CWX/SS	FP54/830/H0/EC0	F96T12/CWX/SS/UPC
F Fluorescent 0 OCTRON® 32 Nominal lamp wattage 8 85 CRI 35 3500K CCT XP® EXtended Performance EC0® ECOLOGIC® - TCLP passing lamp	 F Fluorescent 34 Nominal lamp wattage CWX Cool White Deluxe Phosphor SS SUPERSAVER[®] – reduced wattage lamp 	FFluorescentPPENTRON®54Nominal lamp wattage885 CRI303000K CCTHOHigh OutputECO® ECOLOGIC® –TCLP passing lamp	 F Fluorescent 96 96" nominal length T Tubular Shape Bulb 12 Bulb diameter; 1% inch = 1½ inches CWX Cool White Deluxe phosphor SS SUPERSAVER – reduced wattage lamp UPC UPC Label
Manage in accord See <u>www.lamprecycl</u>			·

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C

OCTRO	CTRON [®] 800 XV [®] 8-Foot SUPERSAVER [®] 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)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
50	T8	96	94.00	Single Pin	21426	F096/50W/835/XV/SS/EC0	24	24000	36000	3500	83	5100 (4795)	, 1 2,13,17,
					21425	F096/50W/841/XV/SS/EC0	24	24000	36000	4100	83	5100 (4795)	, / , 1 2,13,17
54	T8	96	94.00	Single Pin	21423	F096/54W/835/XV/SS/EC0	24	24000	36000	3500	83	5400 (5075)	(E), //, (, 3,5, 12, 13, 17
					21424	F096/54W/841/XV/SS/EC0	24	24000	36000	4100	83	5400 (5075)	(E), //, ,3,5, 12,13,17

OCTRON 800 8-Foot 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)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
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					22148	F096/835/EC0	24	18000	24000	3500	82	5900 (5430)	€, ∕ , ≜ , 3,12,13,17
					22149	F096/841/EC0	24	18000	24000	4100	82	5900 (5430)	€, / , ≜ , 3,12,13,17
					22173	F096/850/EC0	24	18000	24000	5000	80	5900 (5430)	€, / , ≜ , 3,12,13,17

OCTRON 800 8-Foot HO 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)	CCT (K)	CRI	Lumens Initial (Mean) at 25°C/77°F	Notes
86	T8	96	93.91	Recessed Dbl Contact	22204	F096/735/H0/EC0	24	18000	27000	3500	78	8000 (7520)	€, ⊄ , ≜ , 3,12,13,17,36
					22206	F096/835/H0/EC0	24	18000	27000	3500	85	8200 (7710)	€, ⊄ , ≜ , 3,12,13,17,36
					22205	F096/741/H0/EC0	24	18000	27000	4100	78	8000 (7520)	€, / , ≜ , 3,12,13,17,36
					22207	F096/841/H0/EC0	24	18000	27000	4100	85	8200 (7710)	€ , ⊄ , ≜ , 3,12,13,17,36