

Fluorescent Lamps

High Output T8 Lamps, U-Bent T12 Lamps, Rapid Start T12 Lamps

Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Average Life		Approx. Initial Lumens (203,204)	Design Lumens (208)	CRI
							3 Hr. Start (202)	12 Hr. Start (241)			

PLUS High Output (HO) T8 8-Foot Fluorescent Lamps

T8 Recessed D.C.; Featuring ALTO Lamp Technology, Use on proper Programmed Start Ballasts Only*

86	23687-7	□ ⊕ ●	F96T8/TL835/HO/PLUS/ALTO	25	TL 835, 3500K	96	24,000	30,000	8200	7625	85
	23688-5	□ ⊕ ●	F96T8/TL841/HO/PLUS/ALTO	25	TL 841, 4100K	96	24,000	30,000	8200	7625	85
	23689-3	□ ⊕ ●	F96T8/TL850/HO/PLUS/ALTO	25	TL 850 5000K	96	24,000	30,000	8100	7550	82

* Per ANSI C78.81, this lamp is designed for programmed start operation with high frequency operating currents of 400mA (nominally) to achieve the rated lumens and life

Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Avg. Life (Hrs.) (202)	Approx. Initial Lumens (203,204)	Design Lumens (208)	CRI
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High Output (HO) T8 Fluorescent Lamps—4 foot

T8 Recessed D.C.; Featuring ALTO Lamp Technology, Use on proper Programmed Start Ballasts Only*

44	23679-4	□ ●	F48T8/TL841/HO/ALTO	25	TL 841, 4100K	48	18,000	4000	3600	85
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* Per ANSI C78.81, this lamp is designed for programmed start operation with high frequency operating currents of 400mA (nominally) to achieve the rated lumens and life

Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Avg. Life (Hrs.) (202)	Approx. Initial Lumens (203,204)	Design Lumens (208)	CRI
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U-Bent T12 Fluorescent Lamps

T12 Medium Bipin

40	42309-5		FB40/T12/NX/6	12	Neutral Deluxe, 3500K	22 $\frac{1}{2}$	18,000	2300	1955	90
	42308-7		FB40/T12/CWSupreme/6	12	Cool White Supreme, 4100K	22 $\frac{1}{2}$	18,000	2300	1955	90
	21993-1		FB40/DX/6	12	Daylight Deluxe, 6500K	22 $\frac{1}{2}$	18,000	2250	1950	90

Watts	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Qty.	Description	Nom. Length (In.)	Rated Avg. Life (Hrs.) (202)	Approx. Initial Lumens (203,204)	Design Lumens (208)	CRI
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Rapid Start T12 Fluorescent Lamps

T12 Medium Bipin

30	37649-1	●	F30T12/D/RS/ALTO	30	Daylight, 6500K	36	18,000	1950	1700	73
	27242-7	●	F30T12/CW/RS/ALTO	30	Cool White, 4100K	36	18,000	2250	1900	59
	13221-7	●	F30T12/WW/RS/ALTO	30	Warm White, 3000K	36	18,000	2300	1950	49
40	42318-6		F40T12/NX/ALTO	30	Neutral Deluxe, 3500K	48	20,000	2550	2200	88
	42388-9		F40T12/CWSupreme/ALTO	30	Cool White Supreme, 4100K	48	20,000	2600	2250	89
	42312-9		F40T12/CWSupreme/PLUS/ALTO	30	Cool White Supreme, 4100K	48	24,000	2550	2220	89
	42389-7		F40T12/C50Supreme/ALTO	30	Color Tone 50 Supreme, 5000K	48	20,000	2500	2175	90
	27359-9		F40/DX/ALTO	30	Daylight Deluxe, 6500K	48	20,000	2325	2025	90
	39228-2		F40/PLANT	6	Plant Light, Sleeved	48	20,000	1600	1360	—

For the most current product information, go to the e-catalog on www.philips.com
Fluorescent symbols and footnotes located on page 42



T8 Recessed DC

T12 Medium Bipin

T12 U-Bent
Medium Bipin