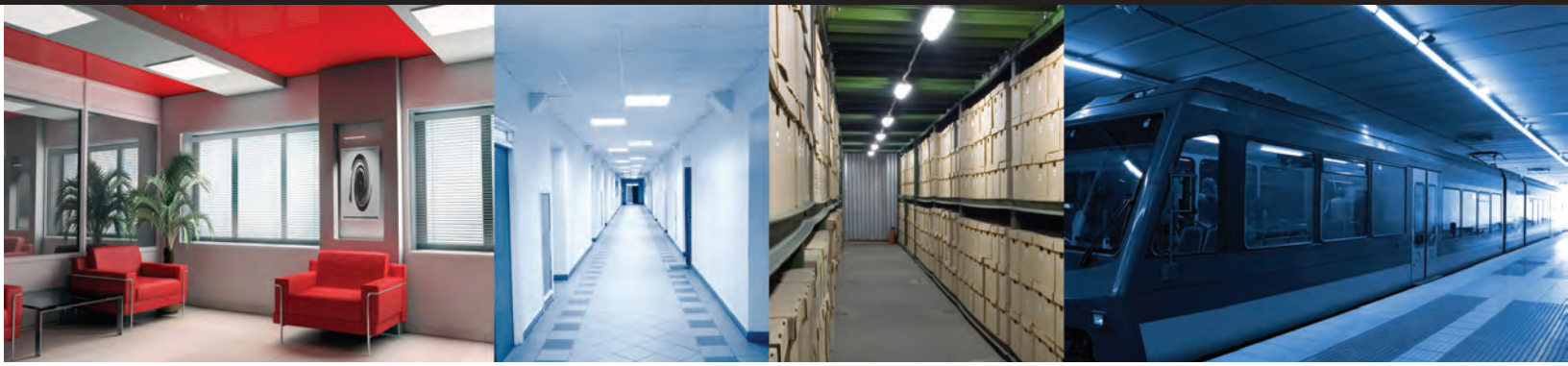


linear fluorescent



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how to read a table

BULB Designations indicate tube diameter. Illustrations can be found on page 48 and at the top of each page.

WATTS Indicates the power consumed by the lamp during operation.

PRODUCT CODE Abbreviated product description can also be used for ordering. A key to abbreviations can be found on page 53.

PACKAGE QUANTITY Indicates minimum sell quantity and smallest shipping carton.

COLOR TEMP. A term used to describe the color of a light source and is expressed in degrees Kelvin (K).

MEAN LUMENS The lamp's average light output at 40% of rated life.

AVERAGE LIFE Average rated life expressed in hours.

Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
ProLume® T-8 Rapid Start - Medium Bi-Pin Eco-Shield®												
T8	28	109364	▼ \$,1	F28T8/835/ECO	835 Phosphor	25	3500	86	2800	2660	24000	48"
	28	109366	▼ \$,1	F28T8/841/ECO	841 Phosphor	25	4100	86	2800	2660	24000	48"
	28	109368	▼ \$,1	F28T8/850/ECO	850 Phosphor	25	5000	86	2800	2660	24000	48"
	32	109412	▼ (E) \$,1	F32T8/730/ECO	730 Phosphor	25	3000	78	2850	2700	24000	48"
	32	30150	▼ (E) † \$,1	F32T8/730/ECO/IC	730 Phosphor	25	3000	78	2850	2700	24000	48"
	32	109414	▼ (E) \$,1	F32T8/735/ECO	735 Phosphor	25	3500	78	2850	2700	24000	48"
	32	30151	▼ (E) † \$,1	F32T8/735/ECO/IC	735 Phosphor	25	3500	78	2850	2700	24000	48"
	32	109416	▼ (E) \$,1	F32T8/741/ECO	741 Phosphor	25	4100	78	2850	2700	24000	48"

PRODUCT NUMBER Use this product number when placing an order.

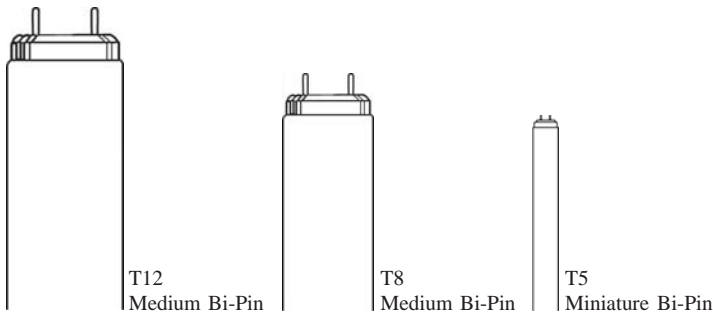
FOOTNOTES & SYMBOLS Related footnotes can be found on page 53.

DESCRIPTION Color description or other important information.

CRI An international scale from 0 to 100 that indicates the relative color rendering value of a light source. The Color rendering index expresses the degree to which colors will look "natural" under a given light source.

INITIAL LUMENS The lamp's average light output after the initial 100 hours of operation.

NOM. LENGTH A measurement for Fluorescent lamp length based on the length of the lamp plus an allowance for the luminaire's lamp holders.



Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
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ProLume® Preheat - Miniature Bi-Pin

T5	4	9213	1,7	F4T5CW	Cool White	10/1000	4100	65	100	95	6000	6"
	6	9200	1,7	F6T5CW	Cool White	10/500	4100	65	200	190	6000	9"
	8	9201	1,7	F8T5CW	Cool White	10/500	4100	65	280	265	6000	12"
	8	9215	1,7	F8T5DL	Daylight	10/500	6500	75	330	310	6000	12"
	8	9210	1,7	F8T5WW	Warm White	10/500	3000	53	400	380	6000	12"
	8	9206	1,7	F8T5BLB	Blacklight Blue	10/500	-	-	-	-	6000	12"
	13	9231	1,7	F13T5CW	Cool White	10/200	4100	65	620	585	6000	21"
	13	9232	1,7	F13T5WW	Warm White	10/200	3000	53	870	825	6000	21"

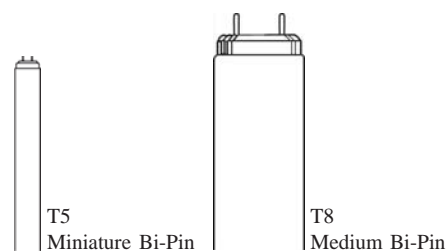
ProLume® Preheat - Medium Bi-Pin

T8	14	109370	1	F14T8CW	Cool White	25	4100	62	650	550	8000	14"
	15	9202	1	F15T8CW	Cool White	30	4100	62	770	690	8000	17"
	15	109212	1	F15T8DL	Daylight	30	6500	74	770	690	8000	17"
	15	109208	1	F15T8WW	Warm White	30	3000	53	845	750	8000	17"
	30	9225	1	F30T8CW	Cool White	30	4100	62	2100	1900	9000	35"
T12	14	9228	1	F14T12CW	Cool White	30	4100	62	480	432	9000	14"
	15	9212	1	F15T12CW	Cool White	30	4100	62	650	570	9000	17"
	20	9203	1	F20T12CW	Cool White	30	4100	62	1150	1000	8000	24"
	20	9235	1	F20T12DL	Daylight	30	6500	74	1100	960	8000	24"
	20	9227	1	F20T12WW	Warm White	30	3000	52	1200	1080	8000	24"
	20	109612	x,1	F20T12/ULTRA50	Ultra50	30	5000	86	1300	1170	10000	24"

ProLume® T-5 Programmed Start - Miniature Bi-Pin Eco-Shield®
















T5	14	35006	♥ † \$,1,7	F14T5/830/ECO	830 Phosphor	25	3000	85	1350	1280	20000	22"
	14	105440	♥ \$,1,7	F14T5/835/ECO	835 Phosphor	25	3500	85	1350	1280	20000	22"
	14	105420	♥ \$,1,7	F14T5/841/ECO	841 Phosphor	25	4100	85	1350	1280	20000	22"
	21	105400	♥ \$,1,7	F21T5/830/ECO	830 Phosphor	25	3000	85	2100	2000	20000	34"
	21	105460	♥ \$,1,7	F21T5/835/ECO	835 Phosphor	25	3500	85	2100	2000	20000	34"
	21	105480	♥ \$,1,7	F21T5/841/ECO	841 Phosphor	25	4100	85	2100	2000	20000	34"
	24	105580	♥ \$,1,7	F24T5/835/HO/ECO	835 Phosphor High Output	25	3500	85	2000	1900	20000	22"
	24	105600	♥ \$,1,7	F24T5/841/HO/ECO	841 Phosphor High Output	25	4100	85	2000	1900	20000	22"
	28	105402	♥ (E) \$,1,7	F28T5/830/ECO	830 Phosphor	25	3000	85	2900	2750	20000	46"
	28	35041	♥ (E) † \$,1,7	F28T5/830/ECO/IC	830 Phosphor	25	3000	85	2900	2750	24000	46"
	28	105500	♥ (E) \$,1,7	F28T5/835/ECO	835 Phosphor	25	3500	85	2900	2750	20000	46"
	28	35042	♥ (E) † \$,1,7	F28T5/835/ECO/IC	835 Phosphor	25	3500	85	2900	2750	24000	46"
	28	105520	♥ (E) \$,1,7	F28T5/841/ECO	841 Phosphor	25	4100	85	2900	2750	20000	46"

(E) Means this lamp meets Federal Minimum Efficiency standards.
Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.
























Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
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ProLume® T-5 Programmed Start - Miniature Bi-Pin Eco-Shield® (cont'd)

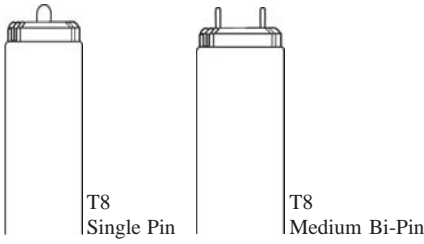
T5	28	35043	 (E)† \$,1,7	F28T5/841/ECO/IC	841 Phosphor	25	4100	85	2900	2750	24000	46"
	28	35044	 (E)† \$,1,7	F28T5/850/ECO/IC	850 Phosphor	25	5000	85	2900	2750	24000	46"
	35	105540	 \$,1,7	F35T5/835/ECO	835 Phosphor	25	3500	85	3650	3460	20000	58"
	35	105560	 \$,1,7	F35T5/841/ECO	841 Phosphor	25	4100	85	3650	3460	20000	58"
	39	105404	 \$,1,7	F39T5/830/HO/ECO	830 Phosphor High Output	25	3000	85	3500	3325	20000	34"
	39	105620	 \$,1,7	F39T5/835/HO/ECO	835 Phosphor High Output	25	3500	85	3500	3325	20000	34"
	39	105640	 \$,1,7	F39T5/841/HO/ECO	841 Phosphor High Output	25	4100	85	3500	3325	20000	34"
	54	105406	 (E) \$,1,7	F54T5/830/HO/ECO	830 Phosphor High Output	25	3000	85	5000	4750	20000	46"
	54	35081	 (E)† \$,1,7	F54T5/830/HO/ECO/IC	830 Phosphor High Output	25	3000	85	5000	4850	24000	46"
	54	105660	 (E) \$,1,7	F54T5/835/HO/ECO	835 Phosphor High Output	25	3500	85	5000	4750	20000	46"
	54	35082	 (E)† \$,1,7	F54T5/835/HO/ECO/IC	835 Phosphor High Output	25	3500	85	5000	4850	24000	46"
	54	105680	 (E) \$,1,7	F54T5/841/HO/ECO	841 Phosphor High Output	25	4100	85	5000	4750	20000	46"
	54	35083	 (E)† \$,1,7	F54T5/841/HO/ECO/IC	841 Phosphor High Output	25	4100	85	5000	4850	24000	46"
	54	105700	 (E) \$,1,7	F54T5/850/HO/ECO	850 Phosphor High Output	25	5000	85	5000	4750	20000	46"
	54	35083	 (E)† \$,1,7	F54T5/850/HO/ECO/IC	850 Phosphor High Output	25	5000	85	5000	4850	24000	46"

ProLume® T-8 Rapid Start - Medium Bi-Pin Eco-Shield®

T8	17	109320	 \$,1	F17T8/730/ECO	730 Phosphor	25	3000	78	1325	1260	24000	24"
	17	30101	 † \$,1	F17T8/730/ECO/IC	730 Phosphor	25	3000	78	1350	1280	24000	24"
	17	109322	 \$,1	F17T8/735/ECO	735 Phosphor	25	3500	78	1325	1260	24000	24"
	17	30102	 † \$,1	F17T8/735/ECO/IC	735 Phosphor	25	3500	78	1350	1280	24000	24"
	17	109324	 \$,1	F17T8/741/ECO	741 Phosphor	25	4100	78	1325	1260	24000	24"
	17	30103	 † \$,1	F17T8/741/ECO/IC	741 Phosphor	25	4100	78	1350	1280	24000	24"
	17	109326	 \$,1	F17T8/750/ECO	750 Phosphor	25	5000	78	1325	1260	24000	24"
	17	30104	 † \$,1	F17T8/750/ECO/IC	750 Phosphor	25	5000	78	1350	1280	24000	24"
	17	109800	 \$,1	F17T8/830/ECO	830 Phosphor	25	3000	86	1400	1330	24000	24"
	17	109802	 \$,1	F17T8/835/ECO	835 Phosphor	25	3500	86	1400	1330	24000	24"
	17	109804	 \$,1	F17T8/841/ECO	841 Phosphor	25	4100	86	1400	1330	24000	24"
	17	109822	 \$,1	F17T8/850/ECO	850 Phosphor	25	5000	86	1400	1330	24000	24"
	25	109340	 \$,1	F25T8/730/ECO	730 Phosphor	25	3000	78	2125	2050	24000	36"
	25	109342	 \$,1	F25T8/735/ECO	735 Phosphor	25	3500	78	2125	2025	24000	36"
	25	30107	 † \$,1	F25T8/735/ECO/IC	735 Phosphor	25	3500	78	2150	2050	24000	36"
	25	109344	 \$,1	F25T8/741/ECO	741 Phosphor	25	4100	78	2125	2025	24000	36"
	25	30108	 † \$,1	F25T8/741/ECO/IC	741 Phosphor	25	4100	78	2150	2050	24000	36"
	25	109346	 \$,1	F25T8/750/ECO	750 Phosphor	25	5000	78	2125	2025	24000	36"
	25	109806	 \$,1	F25T8/830/ECO	830 Phosphor	25	3000	86	2250	2140	24000	36"
	25	109808	 \$,1	F25T8/835/ECO	835 Phosphor	25	3500	86	2250	2140	24000	36"
	25	109810	 \$,1	F25T8/841/ECO	841 Phosphor	25	4100	86	2250	2140	24000	36"

(E) Means this lamp meets Federal Minimum Efficiency standards.

Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.

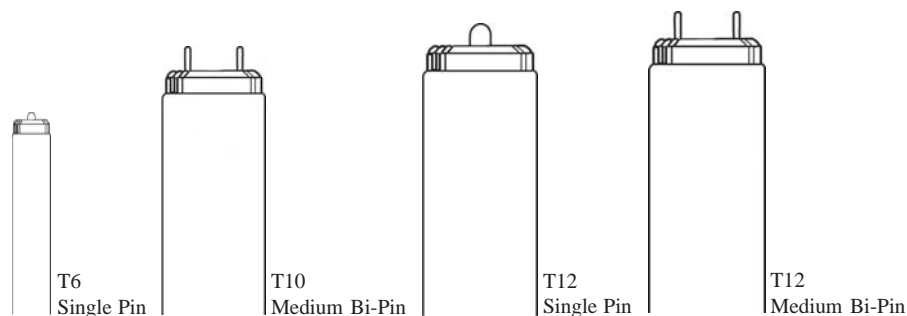


Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
ProLume® T-8 Rapid Start - Medium Bi-Pin Eco-Shield® (cont'd)												
T8	28	109364	♥ \$,1	F28T8/835/ECO	835 Phosphor	25	3500	86	2800	2660	24000	48"
	28	109366	♥ \$,1	F28T8/841/ECO	841 Phosphor	25	4100	86	2800	2660	24000	48"
	28	109368	♥ \$,1	F28T8/850/ECO	850 Phosphor	25	5000	86	2800	2660	24000	48"
	32	109412	♥ (E) \$,1	F32T8/730/ECO	730 Phosphor	25	3000	78	2850	2700	24000	48"
	32	30150	♥ (E) † \$,1	F32T8/730/ECO/IC	730 Phosphor	25	3000	78	2850	2700	24000	48"
	32	109414	♥ (E) \$,1	F32T8/735/ECO	735 Phosphor	25	3500	78	2850	2700	24000	48"
	32	30151	♥ (E) † \$,1	F32T8/735/ECO/IC	735 Phosphor	25	3500	78	2850	2700	24000	48"
	32	109416	♥ (E) \$,1	F32T8/741/ECO	741 Phosphor	25	4100	78	2850	2700	24000	48"
	32	30152	♥ (E) † \$,1	F32T8/741/ECO/IC	741 Phosphor	25	4100	78	2850	2700	24000	48"
	32	109418	♥ (E) \$,1	F32T8/750/ECO	750 Phosphor	25	5000	78	2850	2700	24000	48"
	32	30153	♥ (E) † \$,1	F32T8/750/ECO/IC	750 Phosphor	25	5000	78	2850	2700	24000	48"
	32	109424	♥ (E) \$,1	F32T8/765/ECO	765 Phosphor	25	6500	78	2850	2700	24000	48"
	32	30154	♥ (E) † \$,1	F32T8/765/ECO/IC	765 Phosphor	25	6500	78	2850	2700	24000	48"
	32	109398	♥ (E) \$,1	F32T8/830/ECO	830 Phosphor	25	3000	86	3050	2900	24000	48"
	32	35150	♥ (E) † \$,1	F32T8/830/ECO/IC	830 Phosphor	25	3000	86	3050	2900	24000	48"
	32	35155	♥ (E) † \$,1	F32T8/830/ECO/HL	830 Phosphor High Lumen	25	3000	86	3150	3000	24000	48"
	32	109400	♥ (E) \$,1	F32T8/835/ECO	835 Phosphor	25	3500	86	3050	2900	24000	48"
	32	35151	♥ (E) † \$,1	F32T8/835/ECO/IC	835 Phosphor	25	3500	86	3050	2900	24000	48"
	32	35156	♥ (E) † \$,1	F32T8/835/ECO/HL	835 Phosphor High Lumen	25	3500	86	3150	3000	24000	48"
	32	109402	♥ (E) \$,1	F32T8/841/ECO	841 Phosphor	25	4100	86	3050	2900	24000	48"
	32	35152	♥ (E) † \$,1	F32T8/841/ECO/IC	841 Phosphor	25	4100	86	3050	2900	24000	48"
	32	35157	♥ (E) † \$,1	F32T8/841/ECO/HL	841 Phosphor High Lumen	25	4100	86	3150	3000	24000	48"
	32	109404	♥ (E) \$,1	F32T8/850/ECO	850 Phosphor	25	5000	86	3050	2900	24000	48"
	32	35153	♥ (E) † \$,1	F32T8/850/ECO/IC	850 Phosphor	25	5000	86	3050	2900	24000	48"
	32	35158	♥ (E) † \$,1	F32T8/850/ECO/HL	850 Phosphor High Lumen	25	5000	86	3150	3000	24000	48"
	32	109428	♥ (E) \$,1	F32T8/865/ECO	865 Phosphor	25	6500	86	3050	2900	24000	48"
	32	35154	♥ (E) † \$,1	F32T8/865/ECO/IC	865 Phosphor	25	6500	86	3050	2900	24000	48"
	32	109360	♥ (E) \$,1	F32T8/ULTRA950	950 Phosphor Ultra950™	25	5000	98	2000	1900	24000	48"
	32	37200	1	F32T8BLB	Blacklight-Blue	12	-	-	-	-	20000	48"
	40	815951	\$,1	F40T8/735/M	735 Phosphor Major	30	3500	75	3600	1900	24000	60"
	40	815952	\$,1	F40T8/741/M	741 Phosphor Major	30	4100	75	3600	1900	24000	60"
	58	109374	1	F58T8/840	840 Phosphor	25	4000	85	5300	5000	15000	60"
	70	839452	1	F70T8/840/M	840 Phosphor Major	25	4000	85	6300	5985	20000	72"

T-8 Rapid Start - Single Pin

T8	59	823411	(E) \$,1	F96T8/735/M	735 Phosphor Major	24	3500	78	5800	5500	15000	96"
	59	823412	(E) \$,1	F96T8/741/M	741 Phosphor Major	24	4100	78	5800	5500	15000	96"
	59	205773	(E) \$,1	F96T8/850/M	850 Phosphor Major	24	5000	86	5950	5500	15000	96"

(E) Means this lamp meets Federal Minimum Efficiency standards.
Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.



Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
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T-10 Rapid Start - Medium Bi-Pin

T10	40	131540	Ⓔ 1	F40T10/SS/SG	Full Spectrum USA	25	5900	90	3425	3250	20000	48"
	40	131524	Ⓔ 1	F40T10/TRI41	841 Phosphor USA	25	4100	86	3625	3440	20000	48"
	40	109600	Ⓔ 1	F40T10/ULTRA50	850 Phosphor ProLume® Ultra50™	30	5000	86	3600	3420	20000	48"
	40	109602	Ⓔ H,1	F40T10/955	955 Phosphor ProLume®	25	5550	92	3600	3420	20000	48"

T-12 Rapid Start - Medium Bi-Pin

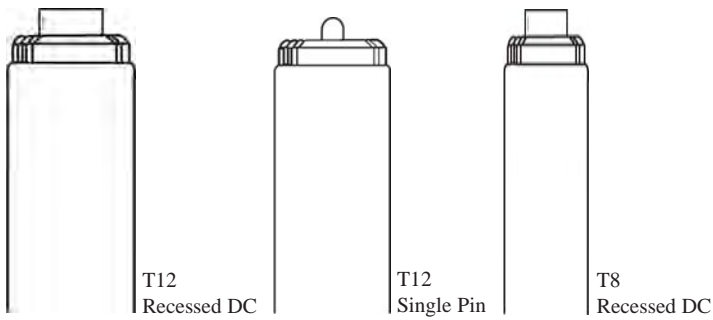
T12	30	9204	1	F30T12CW	Cool White ProLume®	30	4100	62	2100	1830	8000	36"
	30	9236	1	F30T12DL	Daylight ProLume®	30	6500	74	1900	1650	8000	36"
	30	313742	1	F30T12WW	Warm White Major	30	3000	53	2300	2000	18000	36"
	34	40212	Ⓜ \$,1	F34CWES/ECO	Cool White ProLume® Eco-Shield® ES	30	4100	62	2650	2300	20000	48"
	34	256867	Ⓜ \$,1	F34WWES/M	Warm White Low Mercury ES Major	30	3000	53	2700	2350	20000	48"
	40	230474	Ⓔ 1	F40AB	Arctic Brite USA	30	5100	82	2400	2275	20000	48"
	40	109480	1	F40/350BL	Blacklight ProLume®	6	-	-	-	-	20000	48"
	40	109490	1	F40BLB	Blacklight-Blue ProLume®	6	-	-	-	-	20000	48"
	40	109430	Ⓔ 1	F40CWX	Cool White Deluxe ProLume®	30	4200	90	2200	1980	20000	48"
	40	109420	Ⓔ 1	F40DX	Daylight Deluxe ProLume®	30	6500	85	2650	2500	20000	48"
	40	313130	Ⓔ 1	F40NL	Natural Light USA	30	5600	91	2150	2025	20000	48"
	40	346817	Ⓔ 1	F40SL	Full Spectrum USA	30	5900	90	2430	2300	20000	48"
	40	815075	Ⓔ 1	F40/730/ECO	730 Phosphor Low Mercury Major	30	3000	70	3250	2950	20000	48"
	40	109442	Ⓔ 1	F40/735	735 Phosphor ProLume®	30	3500	75	3050	2775	20000	48"
	40	109444	Ⓔ 1	F40/741	741 Phosphor ProLume®	30	4100	75	3050	2775	20000	48"
	40	109440	Ⓔ 1	F40/950	950 Phosphor ProLume®	30	5000	92	2200	1980	20000	48"
	40	109614	Ⓔ 1	F40/ULTRA50	850 Phosphor ProLume® Ultra50™	30	5000	86	3450	3275	20000	48"

Slimline Instant Start - Single Pin

T6	25	824266	1	F42T6CW/M	Cool White Major	24	4100	62	1750	1665	7500	42"
	40	826466	1	F64T6CW/M	Cool White Major	24	4100	62	2800	2650	7500	64"
T12	39	363218	1	F48CW/M	Cool White Low Mercury Major	15	4100	62	2950	2800	9000	48"
	39	387019	1	F48DL/M	Daylight Low Mercury Major	15	6500	79	2500	2375	9000	48"
	50	826001	1	F60CW/M	Cool White Major	30	4100	62	3600	3420	12000	60"
	50	823076	1	F60DL/M	Daylight Major	30	6500	75	3000	2850	12000	60"
	50	355768	1	F64CW/M	Cool White Major	30	4100	62	3900	3700	12000	64"
	50	355776	1	F64DL/M	Daylight Major	30	6500	76	3300	3125	12000	64"
	56	369892	1	F72CW/M	Cool White Low Mercury Major	15	4100	62	4450	4225	12000	72"
	56	369850	1	F72DL/M	Daylight Low Mercury Major	15	6500	79	3800	3600	12000	72"
	70	813764	1	F84CW/M	Cool White Major	15	4100	62	5300	5025	12000	84"
	75	231548	Ⓔ 1	F96AB	Arctic Brite USA	15	5100	82	4775	4525	12000	96"
	60	402440	Ⓜ \$,1	F96CWES/ECO	Cool White ProLume® Eco-Shield®	15	4150	62	5400	5125	12000	96"
	75	109422	Ⓜ Ⓔ 1	F96DX/ECO	Daylight Deluxe ProLume® Eco-Shield®	15	6500	84	4500	4275	26000	96"

Ⓔ Means this lamp meets Federal Minimum Efficiency standards.

Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.



Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
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Slimline Instant Start - Single Pin (cont'd)

(T12	75	350157	Ⓔ 1	F96SL	Full Spectrum USA	15	5900	90	4340	4125	12000	96"
	75	814067	Ⓔ 1	F96/735/M	735 Phosphor Major	15	3500	73	6110	5800	12000	96"
	75	298018	Ⓔ 1	F96/T50	Triten 50 USA	15	5000	85	6500	6175	12000	96"

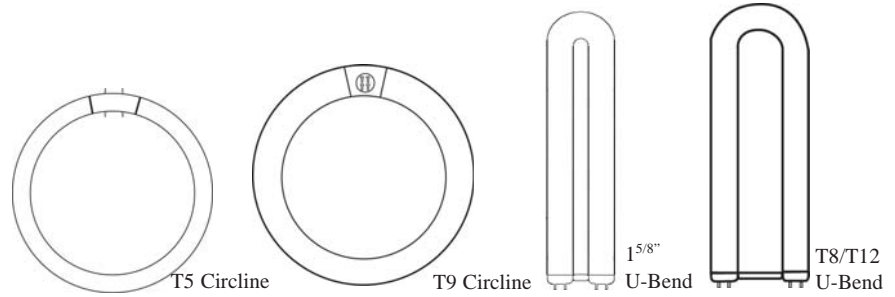
High Output (800mA) - Recessed DC Base

T8	86	812537	Ⓔ \$,1,4,5	F96T8/735HO/M	735 Phosphor High Output Major	24	3500	78	8000	7600	18000	96"
	86	812538	Ⓔ \$,1,4,5	F96T8/741HO/M	741 Phosphor High Output Major	24	4100	78	8000	7600	18000	96"
T12	35	262790	1,4,5	F24T12CWHO/M	Cool White High Output Major	30	4100	62	1650	1575	9000	24"
	35	262741	1,4,5	F24T12DLHO/M	Daylight High Output Major	30	6500	79	1400	1325	9000	24"
	40	226464	1,4,5	F30T12CWHO/M	Cool White High Output Major	30	4100	62	2290	2175	9000	30"
	40	343343	1,4,5	F30T12DLHO/M	Daylight High Output Major	30	6500	79	1920	1825	9000	30"
	50	262865	1,4,5	F36T12CWHO/M	Cool White High Output Major	30	4100	62	2800	2650	9000	36"
	50	262907	1,4,5	F36T12DLHO/M	Daylight High Output Major	30	6500	79	2500	2375	9000	36"
	55	810559	1,4,5	F42CWHO/M	Cool White High Output Major	30	4100	62	3400	3225	9000	42"
	55	810560	1,4,5	F42DLHO/M	Daylight High Output Major	30	6500	79	3000	2850	9000	42"
	60	369785	1,4,5	F48CWHO/M	Cool White High Output Low Mercury Major	15	4100	62	4050	3850	12000	48"
	60	369843	1,4,5	F48DLHO/M	Daylight High Output Low Mercury Major	15	6500	79	3400	3225	12000	48"
	75	251260	1,4,5	F60CWHO/M	Cool White High Output Major	30	4100	62	5200	4950	12000	60"
	75	825120	1,4,5	F60DLHO/M	Daylight High Output Major	30	6500	76	4600	4375	12000	60"
	80	823083	1,4,5	F64CWHO/M	Cool White High Output Major	15	4100	60	5600	5325	12000	64"
	80	823087	1,4,5	F64DLHO/M	Daylight High Output Major	15	6500	75	4750	4500	12000	64"
	85	366518	1,4,5	F72CWHO/M	Cool White High Output Low Mercury Major	15	4100	62	6350	6035	12000	72"
	85	366534	1,4,5	F72DLHO/M	Daylight High Output Low Mercury Major	15	6500	79	5600	5325	12000	72"
	100	813766	1,4,5	F84CWHO/M	Cool White High Output Major	15	4100	62	7800	7400	12000	84"
	100	813767	1,4,5	F84DLHO/M	Daylight High Output Major	15	6500	76	6700	6375	12000	84"
	110	392639	Ⓔ 1,4,5	F96ABHO	Artic Brite High Output USA	15	5100	82	6885	6550	12000	96"
	110	402600	♥ 1,4,5,6	F96CWHOO/ECO	Cool White High Output ProLume® Eco-Shield®	15	4150	62	8800	8350	12000	96"
	95	402640	♥ Ⓔ \$,1,4,5	F96CWHOES/ECO	Cool White High Output ES ProLume® Eco-Shield®	15	4150	62	8000	7600	12000	96"
	110	381774	1,4,5,6	F96DLHOO/A	Daylight High Output Low Mercury Major	15	6500	79	7800	7400	12000	96"
	110	274233	Ⓔ 1,4,5	F96T50HO	Triten 50 High Output USA	15	5000	85	9675	9200	12000	96"

Very High Output (1500mA) - Recessed DC Base

T12	110	810751	1,4,5	F48CWWHOM	Cool White Very High Output Major	24	4100	60	6200	5900	10000	48"
	160	813760	1,4,5	F72CWWHOM	Cool White Very High Output Major	15	4100	62	7850	7450	10000	72"
	215	342345	1,4,5	F96CWWHOM	Cool White Very High Output Major	15	4100	62	13500	10125	10000	96"

Ⓔ Means this lamp meets Federal Minimum Efficiency standards. Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.



Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
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ProLume® U-Bend Rapid Start - Medium Bi-Pin Base

T8	31	30301	Ⓜⓔ†\$,1,3	FB31/830/ECO	830 Phosphor 1-5/8" Eco-Shield®	12	3000	85	2750	2600	24000	22.5"
	31	30302	Ⓜⓔ†\$,1,3	FB31/835/ECO	835 Phosphor 1-5/8" Eco-Shield®	12	3500	85	2750	2600	24000	22.5"
	31	30303	Ⓜⓔ†\$,1,3	FB31/841/ECO	841 Phosphor 1-5/8" Eco-Shield®	12	4100	85	2750	2600	24000	22.5"
	31	30304	Ⓜⓔ\$,1,3	FB31/850/ECO	850 Phosphor 1-5/8" Eco-Shield®	12	5000	85	2750	2600	24000	22.5"
	32	109500	Ⓜⓔ\$,1,3	FB32/730/6/ECO	730 Phosphor 6" Eco-Shield®	20	3000	75	2650	2520	24000	22.5"
	32	30351	Ⓜⓔ†\$,1,3	FB32/730/6/ECO/IC	730 Phosphor 6" Eco-Shield®	20	3000	75	2750	2600	24000	22.5"
	32	109502	Ⓜⓔ\$,1,3	FB32/735/6/ECO	735 Phosphor 6" Eco-Shield®	20	3500	75	2650	2520	24000	22.5"
	32	30352	Ⓜⓔ†\$,1,3	FB32/735/6/ECO/IC	735 Phosphor 6" Eco-Shield®	20	3500	75	2750	2600	24000	22.5"
	32	109504	Ⓜⓔ\$,1,3	FB32/741/6/ECO	741 Phosphor 6" Eco-Shield®	20	4100	75	2650	2520	24000	22.5"
	32	30353	Ⓜⓔ†\$,1,3	FB32/741/6/ECO/IC	741 Phosphor 6" Eco-Shield®	20	4100	75	2750	2600	24000	22.5"
	32	109506	Ⓜⓔ\$,1,3	FB32/750/6/ECO	750 Phosphor 6" Eco-Shield®	20	5000	75	2650	2520	24000	22.5"
	32	30354	Ⓜⓔ†\$,1,3	FB32/750/6/ECO/IC	750 Phosphor 6" Eco-Shield®	20	5000	75	2750	2600	24000	22.5"
	32	109812	Ⓜⓔ\$,1,3	FB32/830/6/ECO	830 Phosphor 6" Eco-Shield®	20	3000	85	2900	2750	24000	22.5"
	32	109814	Ⓜⓔ\$,1,3	FB32/835/6/ECO	835 Phosphor 6" Eco-Shield®	20	3500	85	2900	2750	24000	22.5"
	32	35302	Ⓜⓔ†\$,1,3	FB32/835/6/ECO/IC	835 Phosphor 6" Eco-Shield®	20	3500	85	2900	2750	24000	22.5"
	32	109816	Ⓜⓔ\$,1,3	FB32/841/6/ECO	841 Phosphor 6" Eco-Shield®	20	4100	85	2900	2750	24000	22.5"
	32	35303	Ⓜⓔ†\$,1,3	FB32/841/6/ECO/IC	841 Phosphor 6" Eco-Shield®	20	4100	85	2900	2750	24000	22.5"
	32	109818	Ⓜⓔ\$,1,3	FB32/850/6/ECO	850 Phosphor 6" Eco-Shield®	20	5000	85	2900	2750	24000	22.5"
T12	34	812199	\$,1,3	FB34CWU3ES/M	Cool White 3-5/8" Major	12	4100	60	2200	2100	14000	22.5"
	34	378638	\$,1,3	FB34CWU6ES/M	Cool White 6" Major	12	4100	62	2400	2050	18000	22.5"
	34	60818	\$,1,3	FB34CWU6ES/SG	Cool White 6" USA	12	4100	62	2400	2050	18000	22.5"
	40	230375	ⓔ1,3	FB40ABU6	Arctic Brite 6" USA	12	5100	82	2285	2175	14000	22.5"
	40	219931	ⓔ1,3	FB40DX/6/M	Daylight 6" Major	12	6500	84	2250	2125	18000	22.5"
	40	445940	ⓔ1,3	FB40SLU6	Full Spectrum 6" USA	12	5900	90	1980	1875	14000	22.5"
	40	378588	ⓔ1,3	FB40/TRI50	Triten50 6" USA	12	5000	84	3150	3000	14000	22.5"

ProLume® Circline Rapid Start G10q

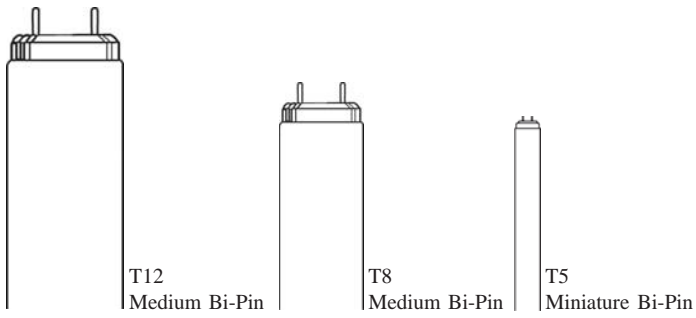
T9	22	109040	1	FC8T9CW	Cool White	12	4100	62	1150	1050	10000	8"
	22	37503	†,1	FC8T9DL	Daylight	12	6500	75	1150	1050	10000	8"
	30	37504	†,1	FC9T9/830	830 Phosphor	12	3000	86	1800	1700	10000	9"
	32	109050	1	FC12T9CW	Cool White	12	4100	62	2100	2000	10000	12"
	40	109060	1	FC16T9CW	Cool white	12	4100	62	2900	2700	10000	16"

ProLume® Circline Programmed Start 2GX13

T5	22	109080	\$,2,7	FC22T5/835	835 Phosphor	12	3500	82	1900	1800	10000	9"
	22	109082	\$,2,7	FC22T5/841	841 Phosphor	12	4100	82	1900	1800	10000	9"
	40	109084	\$,2,7	FC40T5/835	835 Phosphor	20	3500	82	3350	3150	10000	12"
	40	109086	\$,2,7	FC40T5/841	841 Phosphor	20	4100	82	3350	3150	10000	12"

ⓔ Means this lamp meets Federal Minimum Efficiency standards.

Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.



Bulb	Watts	Product Number	Footnotes	Product Code	Description	Pkg Qty	Color Temp.	CRI	Initial Lumens	Mean Lumens	Avg. Life	Nom. Length
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ProLume® Appliance - Medium Bi-Pin Base

T8	18	109234	1	F18T8CW/K24	Cool White 24" ProLume®	25	4100	62	1175	1125	7500	24"
	18	810702	1	F18T8CW/K26	Cool White 26" Major	24	4100	62	1280	1225	7500	26"
	18	817704	1	F18T8CW/K28	Cool White 28" Major	24	4100	62	1360	1300	7500	28"
	18	810349	1	F18T8CW/K30	Cool White 30" Major	24	4100	62	1400	1325	7500	30"
T12	25	810280	1	F25T12CW/28	Cool White 28" Major	6	4100	62	1670	1575	7500	28"
	25	838201	1	F25T12CW/33	Cool White 33" Major	6	4100	62	1850	1750	7500	33"

ProLume® Blacklight & Blacklight-Blue

T5	8	9206	1	F8T5BLB	Blacklight-Blue	10/500	-	-	-	-	5000	12"
T8	32	37200	†,1	F32T8BLB	Blacklight-Blue	12	-	-	-	-	20000	48"
T12	40	109490	1	F40BLB	Blacklight-Blue	6	-	-	-	-	20000	48"
	40	109480	1	F40/350BL	Blacklight	6	-	-	-	-	20000	48"

ⓔ Means this lamp meets Federal Minimum Efficiency standards.
Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.

Product Number	Product Code	Description	Voltage	Start Type	Pkg Qty
ProLume® Ballasts					
Electronic					
50150	E1CR22RS/120/PT	FC22 1 Circline Lamp	120	Rapid Start	1/100
50146	E1CR32RS/120/PT	FC32 1 Circline Lamp	120	Rapid Start	1/100
50102	E108RS/120	F8T5 1 Lamp	120	Rapid Start	1/60
50104	E114RS/120	F13T5 1 Lamp	120	Rapid Start	1/60
50108	E120RS/120	F20T12 1 Lamp	120	Rapid Start	1/20
50106	E126RS/120	F13T8 1 Lamp	120	Rapid Start	1/50
50138	E139HO/RS/120	F39T5 HO 1 Lamp	120	Rapid Start	1/50
50140	E154HO/RS/120	F54T5 HO 1 Lamp	120	Rapid Start	1/50
50148	E2CR72RS/120/PT	FC32 & FC40 2 Circline Lamp	120	Rapid Start	1/50
50110	E220RS/120	F20T12 2 Lamp	120	Rapid Start	1/20
50118	E232IS/120/R/SL	F32T8 2 Lamp Residential	120	Instant Start	10
50158	E432IS/120/R/SL	F32T8 4 Lamp Residential	120	Instant Start	10
ProFormance Electronic					
50112	EP132IS/MV/SL	F32T8 1 Lamp	120-277	Instant Start	10
50162	EP2110RS/120	F96T12 HO 2 Lamp	120	Rapid Start	6
50164	EP2110RS/MV	F96T12 HO 2 Lamp	120-277	Rapid Start	6
50114	EP232IS/120/SL	F32T8 2 Lamp	120	Instant Start	10
50116	EP232IS/MV/SL	F32T8 2 Lamp	120-277	Instant Start	10
50115	EP232IS/H/MV/SL	F32T8 2 Lamp HBF	120-277	Instant Start	10
50152	EP232IS/L/MV/SL	F32T8 2 Lamp LBF	120-277	Instant Start	10
50142	EP239HO/PS/MV	F39T5 HO 2 Lamp	120-277	Programmed Start	1/20
50128	EP240RS/120	F40T12 2 Lamp	120	Rapid Start	10
50160	EP240RS/MV	F40T12 2 Lamp	120-277	Rapid Start	10
50144	EP254HO/PS/MV	F54T5 HO 2 Lamp	120-277	Programmed Start	1/20
50136	EP259IS/MV	F96T8 2 Lamp	120-277	Instant Start	10
50132	EP260IS/120	F96T12 ES 2 Lamp	120	Instant Start	10
50134	EP260IS/277	F96T12 ES 2 Lamp	277	Instant Start	10
50130	EP275IS/MV	F96T12 2 Lamp	120-277	Instant Start	6
50120	EP332IS/120/SL	F32T8 3 Lamp	120	Instant Start	10
50122	EP332IS/MV/SL	F32T8 3 Lamp	120-277	Instant Start	10
50121	EP332IS/H/MV/SL	F32T8 3 Lamp HBF	120-277	Instant Start	10
50154	EP332IS/L/MV/SL	F32T8 3 Lamp LBF	120-277	Instant Start	10
50124	EP432IS/120/SL	F32T8 4 Lamp	120	Instant Start	10
50126	EP432IS/MV/SL	F32T8 4 Lamp	120-277	Instant Start	10
50156	EP432IS/L/MV/SL	F32T8 4 Lamp LBF	120-277	Instant Start	10

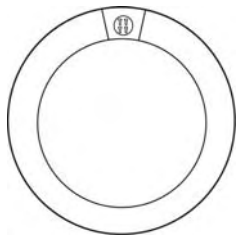
ProLume ProFormance ballasts provide high power factor and low THD of less than 10%.

Ⓔ Means this lamp meets Federal Minimum Efficiency standards.
 Linear Fluorescent symbols, footnotes and abbreviations are located on page 53.

Product Number	Product Code	Description	Voltage	Start Type	Pkg Qty
ProLume® Ballasts					
Electromagnetic					
51102	M140RS/120	F40T12 1 Lamp	120	Rapid Start	10
51104	M234RS/120	F40T12/ES 2 Lamp	120	Rapid Start	10
51106	M240RS/120	F40T12 2 Lamp	120	Rapid Start	10
51108	M240RS/277	F40T12 2 Lamp	277	Rapid Start	10
51114	M296HO/RS/120	F96T12/HO 2 Lamp	120	Rapid Start	4
51116	M296HO/RS/277	F96T12/HO 2 Lamp	277	Rapid Start	4
51110	M296IS/120	F96T12 2 Lamp	120	Instant Start	6
51112	M296IS/277	F96T12 2 Lamp	277	Instant Start	6
Plastic Sign					
57102	MSB/0412/12	Sign Ballast 1-2 Lamp 4-12'	120	Rapid Start	1/4
57104	MSB/0620/24	Sign Ballast 2-4 Lamp 6-20'	120	Rapid Start	1/4
57106	MSB/1224/24	Sign Ballast 2-4 Lamp 12-24'	120	Rapid Start	1
57110	MSB/1240/46	Sign Ballast 4-6 Lamp 12-40'	120	Rapid Start	1
57108	MSB/2040/24	Sign Ballast 2-4 Lamp 20-40'	120	Rapid Start	1
57112	MSB/2448/46	Sign Ballast 4-6 Lamp 24-48'	120	Rapid Start	1

Bulb and Base Identification Guide

BULB SHAPES



Circline



T5



T6



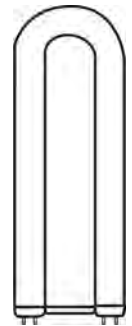
T8



T10

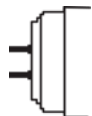


T12



U-Bend

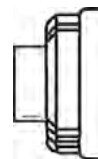
BASE TYPES



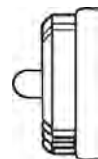
**Miniature
Bi-Pin**



**Medium
Bi-Pin**



Recessed DC



Single Pin

HALCO	G.E.	PHILIPS	OSRAM/SYLVANIA
Preheat Lamps			
F18T8CW/K24	F24"T8CW/4	F18T8/CW/24	F18T8CW/K24
F18T8CW/K26	F26"T8CW/4	F16T8/CW/26	F18T8CW/K26
F18T8CW/K28	F28"T8CW/4	F17T8/CW/28	F18T8CW/K28
F18T8CW/K30	F30"T8CW/4	F18T8/CW/30/ALTO	F18T8CW/K30
F20T12/ULTRA50	-	F20T12/50U	-
F25T12CW/28	F25T12/CW/28	F25T12/CW/28	F25T12/CW/28
F25T12CW/33	F25T12/CW/33	-	F25T12/CW/33
Ultra Efficient T-5			
F14T5/830/ECO	F14W/T5/830/ECO	F14T5/830/ALTO	FP14/830
F14T5/835/ECO	F14W/T5/835/ECO	F14T5/835/ALTO	FP14/835
F14T5/841/ECO	F14W/T5/841/ECO	F14T5/841/ALTO	FP14/841
F21T5/830/ECO	F21W/T5/830/ECO	F21T5/830/ALTO	FP21/830
F21T5/835/ECO	F21W/T5/835/ECO	F21T5/835/ALTO	FP21/835
F21T5/841/ECO	F21W/T5/841/ECO	F21T5/841/ALTO	FP21/841
F28T5/830/ECO	F28W/T5/830/ECO	F28T5/830/ALTO	FP28/830
F28T5/835/ECO	F28W/T5/835/ECO	F28T5/835/ALTO	FP28/835
F28T5/841/ECO	F28W/T5/841/ECO	F28T5/841/ALTO	FP28/841
F28T8/850/ECO	F28W/T5/850/ECO	-	-
F35T5/835/ECO	F35W/T5/835/ECO	F35T5/835	FP35/835
F35T5/841/ECO	F35W/T5/841/ECO	F35T5/841	FP35/841
Ultra Efficient T-5 High Output			
F24T5/835/HO/ECO	F24W/T5/835/ECO	F24T5/835/HO/ALTO	FP24/835/HO
F24T5/841/HO/ECO	F24W/T5/841/ECO	F24T5/841/HO/ALTO	FP24/841/HO
F39T5/830/HO/ECO	F39W/T5/830/ECO	F39T5/830/HO/ALTO	FP39/830/HO
F39T5/835/HO/ECO	F39W/T5/835/ECO	F39T5/835/HO/ALTO	FP39/835/HO
F39T5/841/HO/ECO	F39W/T5/841/ECO	F39T5/841/HO/ALTO	FP39/841/HO
F54T5/830/HO/ECO	F54W/T5/830/ECO	F54T5/830/HO/ALTO	FP54/830/HO
F54T5/835/HO/ECO	F54W/T5/835/ECO	F54T5/835/HO/ALTO	FP54/835/HO
F54T5/841/HO/ECO	F54W/T5/841/ECO	F54T5/841/HO/ALTO	FP54/841/HO
F54T5/850/HO/ECO	F54W/T5/850/ECO	F54T5/850/HO/ALTO	-
T-5 Ultra Efficient Circline			
FC22T5/835	-	TL5C 22W/835	FPC22/835
FC22T5/841	-	TL5C 22W/840	FPC22/841
FC40T5/835	-	TL5C 40W/835	FPC40/835
FC40T5/841	-	TL5C 40W/840	FPC40/841

Cross Reference Guide

HALCO	G.E.	PHILIPS	OSRAM/SYLVANIA
T-8 Rapid Start			
F17T8/730/ECO	F17T8/SP30/ECO	F17T8/TL730/ALTO	FO17/730/ECO
F17T8/735/ECO	F17T8/SP35/ECO	F17T8/TL735/ALTO	FO17/735/ECO
F17T8/741/ECO	F17T8/SP41/ECO	F17T8/TL741/ALTO	FO17/741/ECO
F17T8/750/ECO	-	-	-
F17T8/830/ECO	F17T8/SPX30/ECO	F17T8/TL830/ALTO	FO17/830/ECO
F17T8/835/ECO	F17T8/SPX35/ECO	F17T8/TL835/ALTO	FO17/835/ECO
F17T8/841/ECO	F17T8/SPX41/ECO	F17T8/TL841/ALTO	FO17/841/ECO
F17T8/850/ECO	-	F17T8/TL850/ALTO	-
F25T8/730/ECO	F25T8/SP30/ECO	F25T8/TL730/ALTO	FO25/730/ECO
F25T8/735/ECO	F25T8/SP35/ECO	F25T8/TL735/ALTO	FO25/735/ECO
F25T8/741/ECO	F25T8/SP41/ECO	F25T8/TL741/ALTO	FO25/741/ECO
F25T8/750/ECO	-	-	-
F25T8/830/ECO	F25T8/SPX30/ECO	F25T8/TL830/ALTO	FO25/830/ECO
F25T8/835/ECO	F25T8/SPX35/ECO	F25T8/TL835/ALTO	FO25/835/ECO
F25T8/841/ECO	F25T8/SPX41/ECO	F25T8/TL841/ALTO	FO25/841/ECO
F28T8/835/ECO	F28T8/SP35/UMX/ECO	F32T8/ADV835/EW/LL/ALTO	FO28/835/XP/SS/ECO
F28T8/841/ECO	F28T8/SP41/UMX/ECO	F32T8/ADV841/EW/LL/ALTO	FO28/841/XP/SS/ECO
F28T8/850/ECO	F28T8/SP50/UMX/ECO	F32T8/ADV850/EW/LL/ALTO	-
F32T8/730/ECO	F32T8/SP30/ECO	F32T8/TL730/ALTO	FO32/730/ECO
F32T8/735/ECO	F32T8/SP35/ECO	F32T8/TL735/ALTO	FO32/735/ECO
F32T8/741/ECO	F32T8/SP41/ECO	F32T8/TL741/ALTO	FO32/741/ECO
F32T8/750/ECO	F32T9/SP50/ECO	F32T8/TL750/ALTO	FO32/750/ECO
F32T8/765/ECO	F32T8/SP65/ECO	-	FO32/765/ECO
F32T8/830/ECO	F32T8/SPX30/ECO	F32T8/TL830/ALTO	FO32/830/ECO
F32T8/830/ECO/HL	F32T8/XL/SPX30/HL/ECO	F32T8/ADV/830/ALTO	-
F32T8/835/ECO	F32T8/SPX35/ECO	F32T8/TL835/ALTO	FO32/835/ECO
F32T8/835/ECO/HL	F32T8/XL/SPX35/HL/ECO	F32T8/ADV835/ALTO	-
F32T8/841/ECO	F32T8/SPX41/ECO	F32T8/TL841/ALTO	FO32/841/ECO
F32T8/841/ECO/HL	F32T8/XL/SPX41/HL/ECO	F32T8/ADV841/ALTO	-
F32T8/850/ECO	F32T8/SPX50/ECO	F32T8/TL850/ALTO	FO32/850/ECO
F32T8/850/ECO/HL	F32T8/XL/SPX50/HL/ECO	F32T8/ADV850/ALTO	-
F32T8/865/ECO	-	-	-
F32T8BLB	-	-	-
F32T8/ULTRA950	-	F32T8/TL950	FO32/950/48in
F40T8/735/M	F40T8/SP35	F40T8/TL735/ALTO	FO40/735/ECO
F40T8/741/M	F40T8/SP41	F40T8/TL741/ALTO	FO40/741/ECO
F58T8/840	F58T8/841PLYXLR	-	-
F70T8/840/M	F70T8/840PLYXLR	-	-

HALCO	GE.	PHILIPS	OSRAM/SYLVANIA
T-10 Rapid Start			
F40T10/955	-	-	-
F40T10/ULTRA50	-	-	-
T-12 Rapid Start			
F34CWES/ECO	F34CW/RS/MM/ECO	F34CW/RS/EW/ALTO	F34CW/SS/ECO
F40CWX	-	F40/CWX	F40CWX
F40DX	F40/DX/ECO	F40/DX/ALTO	F40/DX
F40/ULTRA50	F40/SPX50	F40T12/850/ALTO	-
F40/350BL	F40BL	F40T12/Blacklight	F40/350BL
F40/730	F40/SP30/ECO	-	F40/D30/ECO
F40/735	F40/SP35/ECO	-	F40/D35/ECO
F40/741	F40/SP41/ECO	-	F40/D41/ECO
F40/950	F40/C50/ECO	F40/C50	F40DSGN50
F40BLB	F40BLB	-	F40/BLB/RP
Instant Start - Slimline			
F96T8/735/M	F96T8/SP35	F96T8/TL735/PLUS/ALTO	FO96/735/ECO
F96T8/741/M	F96T8/SP41	F96T8/TL741/PLUS/ALTO	FO96/741/ECO
F96T8/850/M	F96T8/SPX50	F96T8/TL850/PLUS/ALTO	FO96/850/ECO
F96CWES/ECO	F96T12/CW/MM/ECO	F96T12/CW/EW/ALTO	F96T12/CW/SS/ECO
F96DX/ECO	F96T12/DX	F96T12/DX/ALTO	F96T12/DX/SS
F96T50	F96T12/SPX50	F96T12/50U/ALTO	-
Rapid Start High Output & Very High Output			
F48CWVHO/M	F48T12/CW/1500	F48T12CW/VHO-O	F48T12/CW/VHO
F72CWVHO/M	F72T12/CW/1500	F72T12/CW/VHO-O	F72T12/CW/VHO
F96CWHOES/ECO	F96T12/CW/HO/MM/ECO	F96T12/CW/HO/EW/ALTO	F96T12/CW/HO/SS/ECO
F96CWHOO/ECO	-	F96T12/CW/HO-O/ALTO	F96T12/CW/HO/CT/ECO
F96CWVHO/M	F96T12/CW/1500	F96T12/CW/VHO-O	F96T12/CW/VHO

Cross Reference Guide

HALCO	G.E.	PHILIPS	OSRAM/SYLVANIA
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U-Bend Fluorescent

FB32/730/6/ECO	F32T8/SP30/U/6	FB32T8/TL730/6/ALTO	FBO32/730/6/ECO
FB32/735/6/ECO	F32T8/SP35/U/6	FB32T8/TL735/6/ALTO	FBO32/735/6/ECO
FB32/741/6/ECO	F32T8/SP41/U/6	FB32T8/TL741/6/ALTO	FBO32/741/6/ECO
FB32/750/6/ECO	-	FB32T8/TL750/6/ALTO	FBO32/750/6/ECO
FB32/830/6/ECO	F32T8/SPX30/U/6	FB32T8/TL830/6/ALTO	FBO32/830/6/ECO
FB32/835/6/ECO	F32T8/SPX35/U/6	FB32T8/TL835/6/ALTO	FBO32/835/6/ECO
FB32/841/6/ECO	F32T8/SPX41/U/6	FB32T8/TL841/6/ALTO	FBO32/841/6/ECO
FB32/850/6/ECO	F32T8/SPX50/U/6	FB32T8/TL850/6/ALTO	-
FB31/830/ECO	F31T8/SPX30/U	-	FBO31/830
FB31/835/ECO	F31T8/SPX35/U	-	FBO31/835
FB31/841/ECO	F31T8/SPX41/U	-	FBO31/841
FB31/850/ECO	-	-	-
FB34CWU6ES/SG	F35CW/U/6/MM	FB34CW/6/EW/ALTO	FB34/CW/6/SS
FB34WWU6/ES	F35WW/U/6/MM	FB34WW/6/EW/ALTO	FB34/WW/6/SS
FB34CWU3ES/M	F35CW/U/3/MM	FB34CW/3/EW	-

Brand Name Cross Reference

T5	T5	Silhouette™	Pentron®
T8	T8	TL70/TL80™	Octron®
730	SP30	SPEC30 or 730	D30 or 730
830	SPX30	30U or 830	D830
950	C50	C50	DSGN50
ES (Energy Saver)	WM (Watt-Miser®)	EW (Econo-Watt®)	SS (Supersaver®)
Eco-Shield®	ECOLUX®	ALTO®	ECOLOGIC®
ULTRA50	SPX50	50U	850
U-Bend	Mod-U-Line®	U-Bent	Curvalume®

Symbols, Footnotes and Abbreviations

SYMBOLS		ABBREVIATIONS	
H	Exclusive to Halco Lighting.	/850	Suffix used to indicate lamps with CRI of 80+ and color temperature of 5000K.
†	New product introduced within the past year.	/865	Suffix used to indicate lamps with CRI of 80+ and color temperature of 6500K.
\$	Energy saving product.	/950	Suffix used to indicate lamps with CRI of 90+ and color temperature of 5000K.
(E)	This lamp meets Federal Minimum Efficiency standards.	/955	Suffix used to indicate lamps with CRI of 90+ and color temperature of 5550K.
	ProLume® Eco-Shield® Low-Mercury Fluorescent lamps pass the Federal TCLP for hazardous wastes.	AB	Code abbreviation for Artic Brite lamps.
x	Product will be discontinued when inventory is depleted.	BL	Code abbreviation for Blacklight lamps.
FOOTNOTES		BLB	Code abbreviation for Blacklight-Blue lamps.
1	Average life under specified test conditions with lamps turned off and restarted every three hours. Lamp life is longer if lamps are started less frequently.	CR	Code abbreviation for ProLume® electronic ballasts for circline lamps.
2	Commercial average life under specified test conditions with lamps turned off and restarted every twelve hours. Lamp life is longer if lamps are started less frequently.	CW	Code abbreviation for Cool White lamps.
3	Nominal length is measured from face of base to maximum distant outside point of U-Bend. Leg spacing measured center to center is approximately 6" for /6 product, 3-5/8" for /3 product and 1-5/8" for FB31 product.	CWX	Code abbreviation for ProLume® Cool White Deluxe lamps.
4	Initial lumens are based on 800mA. operation. For 1000mA. operation, lumens are approximately 10% higher and watts approximately 15% higher.	DL	Code abbreviation for Daylight lamps.
5	This energy saving lamp is only recommended for use on high power factor lead, indoor ballasts that meet ANSI standards. The lamp is not recommended for use in drafty areas or locations where the ambient temperature drops below 60°F, except as noted. Do not operate on low power factor ballasts, reduced light or reduced current ballasts, dimming ballasts or emergency system inverter ballasts.	DX	Code abbreviation for Daylight lamps.
6	Meets the National Energy Policy Act (EPACT) of 1992 exemption for outdoor or cold temperature applications only.	E	Code abbreviation for ProLume® electronic ballasts.
7	Lamp designed for use with Programmed Start ballast. Lamp operates at 170mA. Minimum starting temperature is -15°F, with peak operating temperature at 95°F.	/ECO	Suffix used to indicate Eco-Shield® TCLP Compliant lamps.
ABBREVIATIONS		EP	Code abbreviation for ProLume® ProFormance® electronic ballasts.
3	Code abbreviation for 3-5/8" U-Bend lamps.	/ES	Suffix used to indicate Energy Saving Fluorescent lamps.
6	Code abbreviation for 6" U-Bend lamps.	FB	Code abbreviation for Fluorescent U-Bend lamps.
/120	Suffix used to indicate 120 volt ballasts.	FC	Code abbreviation for Fluorescent Circline lamps.
/277	Suffix used to indicate 277 volt ballasts.	/HL	Suffix used to indicate High Lumen lamps.
/730	Suffix used to indicate lamps with CRI of 70+ and color temperature of 3000K.	/HO	Suffix used to indicate High Output lamps.
/735	Suffix used to indicate lamps with CRI of 70+ and color temperature of 3500K.	HOES	Code abbreviation for High Output Energy Saver lamps.
/741	Suffix used to indicate lamps with CRI of 70+ and color temperature of 4100K.	HOO	Suffix used to indicate High Output lamps for outdoor or low temperature operation.
/750	Suffix used to indicate lamps with CRI of 70+ and color temperature of 5000K.	/IC	Suffix used to indicate ProLume® Industrial/Commercial service lamps.
/765	Suffix used to indicate lamps with CRI of 70+ and color temperature of 6500K.	IS	Code abbreviation for Instant Start ballasts and lamps.
/830	Suffix used to indicate lamps with CRI of 80+ and color temperature of 3000K.	/M	Suffix used to indicate Major brand Fluorescent lamps (GE, Philips, Osram/Sylvania).
/835	Suffix used to indicate lamps with CRI of 80+ and color temperature of 3500K.	M	Code abbreviation for ProLume® electromagnetic ballasts.
/841	Suffix used to indicate lamps with CRI of 80+ and color temperature of 4100K.	MSB	Code abbreviation for ProLume® electromagnetic plastic sign ballasts.
		/MV	Suffix used to indicate Multi-Volt (120-277) ballasts.
		NL	Code abbreviation for Natural Light lamps.
		PH	Code abbreviation for Preheat Start ballasts.
		PS	Code abbreviation for Programmed Start ballasts.
		/PT	Suffix used to indicate ballast with pigtail wires.
		/R	Suffix used to indicate ballast designed for residential use.
		RS	Code abbreviation for Rapid Start ballasts.
		SL	Code abbreviation for Full Spectrum lamps.
		/SL	Suffix used to indicate ballast with slim case design.
		T50	Code abbreviation for Titen50 lamps.
		VHO	Suffix used to indicate Very High Output lamps.
		WW	Code abbreviation for Warm White lamps.

