

4-pin Compact Fluorescent (CFL) Bulbs

More energy efficient than incandescent lightbulbs, halogen lamps, or 2-pin CFLs.

Run on energy efficient electronic ballasts.

Available in a variety of color temperatures. (The list below includes 4000K standard).

SF City staff are required to buy products below which meet these criteria:

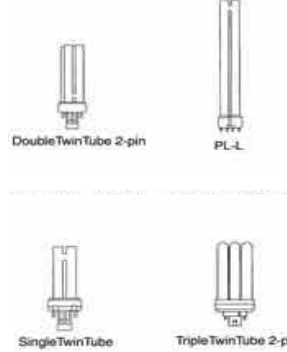
12,000+ hours rated life.

2+ year minimum warranty.

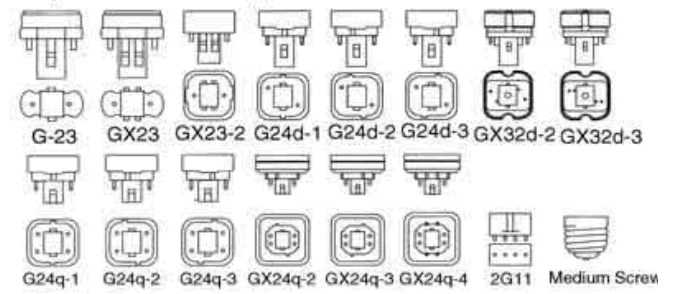
Maximum 5.0 mg mercury.

82+ Color Rendering Index for energy efficiency.

Bulb shapes:



Base types:



Basic info				Buy it (Replacing a bulb? You don't have to use the same brand. Ask vendors if products below can be used.)	Hours it might last	Brightness		Toxicity	Sample Ordering Code
Manufacturer	Product line	Wattage	Base Type	For SF City depts.: contact approved vendors below. Then check prices here.	Rated Life (when tested on instant start ballasts with 3-hour starts)	Lumens: Initial (Brightness when first installed)*	Energy efficiency (Brightness/ lumens per watt (higher = more efficient))	Maximum mercury	
GE	Double Biax	13-watt	G24q-1	nsmith@omegapacific.com, 415-642-2195	17,000 hours	900	69.2	3.0 mg	F13DBX/841/ECO4P
		18-watt	G24q-2		17,000 hours	1250	69.4	3.0 mg	F18DBX/841/ECO4P
		26-watt	G24q-3		17,000 hours	1800	69.2	3.0 mg	F26DBX/841/ECO4P
	High Lumen Biax	18-watt	2G11		20,000 hours	1130	62.8	4.0 mg	F18BXSPX41RS10PK
		25-watt	2G11		20,000 hours	2400	96.0	4.0 mg	F40/25BX840/IS/WM
		27-watt	2G11		12,000 hours	1620	60.0	4.0 mg	F27BXSPX41RS10PK
		39-watt	2G11		12,000 hours	2510	64.4	4.0 mg	F39BXSPX41RS10PK
		40-watt	2G11		20,000 hours	2840	71.0	4.0 mg	F40/30BX/SPX41
		50-watt	2G11		20,000 hours	3400	68.0	4.0 mg	F50BXSPX41RS10PK
		55-watt	2G11		20,000 hours	4080	74.2	3.0 mg	F55BX/840
	High-Output Biax	57-watt	G24q-5		17,000 hours	4300	75.4	3.0 mg	F57QBX/841/A/ECO
		70-watt	G24q-6		17,000 hours	5200	74.3	3.0 mg	F70QBX/841/A/ECO
	Triple-Biax	13-watt	G24q-1		17,000 hours	900	69.2	3.0 mg	F13TBX/841/A/ECO
		18-watt	G24q-2		17,000 hours	1200	66.7	3.0 mg	F18TBX/841/A/ECO
		26-watt	G24q-3		17,000 hours	1800	69.2	3.0 mg	F26TBX/841/A/ECO
		32-watt	G24q-3		17,000 hours	2400	75.0	3.0 mg	F32TBX/841/A/ECO
		42-watt	G24q-4		17,000 hours	3200	76.2	3.0 mg	F42TBX/841/A/ECO

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Philips	PL-C (Cluster) ALTO	13-watt	G24q-1	Troy.Vaughn@regencylighting.com, 415-845-2269	12,000 hours	1100	78.6	1.4 mg	PL-C 13W/841/4P/ALTO
		18-watt	G24q-2		12,000 hours	1525	72.6	1.4 mg	PL-C 18W/841/4P/ALTO
		26-watt	G24q-3		12,000 hours	1525	72.6	1.4 mg	PL-C 26W/841/4P/ALTO
	PL-C (Cluster) Energy Advantage ALTO	14-watt	G24q-2		12,000 hours	1100	78.6	1.4 mg	PL-C 18W/841/XEW/4P/ALTO 14 W
		21-watt	G24q-3		12,000 hours	1525	72.6	1.4 mg	PL-C 26W/841/XEW/4P/ALTO 21 W
	PL-L (Long)	18-watt	2G11		15,000 hours	1250	69.4	4.4 mg	PL-L 18W/841/4P
		24-watt	2G11		15,000 hours	1800	75.0	4.4 mg	PL-L 24W/841/4P
		36-watt	2G11		15,000 hours	2900	80.6	4.4 mg	PL-L 36W/841/4P
		40-watt	2G11		20,000 hours	3300	82.5	4.4 mg	PL-L 40W/841/4P/RS/IS
		50-watt	2G11		20,000 hours	4300	86.0	4.4 mg	PL-L 50W/841/4P/RS
		55-watt	2G11		20,000 hours	3650	66.4	4.4 mg	PL-L 55W/950/4P/RS
		80-watt	2G11		20,000 hours	6000	75.0	4.4 mg	PL-L 80W/841/4P
	PL-L (Long) Energy Advantage	40-watt	2G11		24,000 hours	2600	104.0	4.4 mg	PL-L 40W/841/XEW/4P/IS 25W
	PL-T (Triple)	57-watt	G24q-5		16,000 hours	4300	75.4	3.0 mg	PL-T 57W/841/A/4P
	PL-T (Triple) ALTO	18-watt	G24q-2		16,000 hours	1200	66.7	2.7 mg	PL-T 18W/841/A/4P/ALTO
		26-watt	G24q-3		16,000 hours	1800	69.2	2.7 mg	PL-T 26W/841/A/4P/ALTO
		26-watt	GX24q-3		12,000 hours	1800	69.2	2.7 mg	PL-T 26W/841/4P/ALTO
		32-watt	G24q-3		16,000 hours	2400	75.0	2.7 mg	PL-T 32W/841/A/4P/ALTO
		42-watt	G24q-4		16,000 hours	3200	76.2	2.7 mg	PL-T 42W/841/A/4P/ALTO
		PL-T (Triple) Energy Advantage ALTO	21-watt		G24q-3	16,000 hours	1400	66.7	1.4 mg
27-watt	G24q-3		16,000 hours	1875	69.4	1.4 mg	PL-T 32W/841/XEW/A/4P/ALTO 27W		
42-watt	G24q-4		16,000 hours	2615	62.3	1.4 mg	PL-T 42W/841/XEW/A/4P/ALTO 33W		

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Sylvania	DULUX S/E	5-watt	2G7	armand@maltbyelectric.com, 415-863-5000	20,000 hours	230	46.0	1.3 mg	CF5DS/E/841
		7-watt	2G7		20,000 hours	400	57.1	1.3 mg	CF7DS/E/841
		9-watt	2G7		20,000 hours	580	64.4	1.3 mg	CF9DS/E/841
	DULUX D/E Supersaver Ecologic	15-watt	G24Q-2		20,000 hours	1125	75.0	1.3 mg	CF18DD/E/15W/SS/841/ECO
		21-watt	G24Q-3		20,000 hours	1525	72.6	1.3 mg	CF26DD/E/21W/SS/841/ECO
	DULUX D/E Ecologic	13-watt	G24Q-1		20,000 hours	900	69.2	1.3 mg	CF13DD/E/841/ECO
		18-watt	G24Q-2		20,000 hours	1150	63.9	1.3 mg	CF18DD/E/841/ECO
		26-watt	G24Q-3		20,000 hours	1710	65.8	1.3 mg	CF26DD/E/841/ECO
	DULUX T/E/IN Amalgam Supersaver Ecologic	21-watt	GX24Q-3		18,000 hours	1410	67.1	2.5 mg	CF26DT/E/IN/21W/841/SS/ECO
		28-watt	GX24Q-3		18,000 hours	1875	67.0	2.5 mg	CF32DT/E/IN/28W/841/SS/ECO
		38-watt	GX24Q-4		18,000 hours	2500	65.8	2.5 mg	CF42DT/E/IN/38W/841/SS/ECO
	DULUX T/E Amalgam Ecologic Triple-Tube	18-watt	GX24Q-2		12,000 hours	1165	64.7	2.5 mg	CF18DT/E/IN/841/ECO
		26-watt	GX24Q-3		16,000 hours	1745	67.1	2.5 mg	CF26DT/E/IN/841/ECO
		32-watt	GX24Q-3		16,000 hours	2330	72.8	2.5 mg	CF32DT/E/IN/841/ECO
		42-watt	GX24Q-4		16,000 hours	3105	73.9	2.5 mg	CF42DT/E/IN/841/ECO
		57-watt	GX24Q-5		12,000 hours	4170	73.2	2.5 mg	CF57DT/E/IN/841/ECO
	DULUX T/E Ecologic	13-watt	GX24Q-1		12,000 hours	900	69.2	2.5 mg	CF13DT/E/841/ECO
		26-watt	GX24Q-3		12,000 hours	1800	69.2	2.5 mg	CF26DT/E/827/ECO
	DULUX L Supersaver Ecologic	28-watt	2G11		20,000 hours	2800	100.0	3.0 mg	FT40DL/28W/841/SS/ECO
		25-watt	2G11		20,000 hours	2500	100.0	3.0 mg	FT40DL/25W/841/SS/ECO
	DULUX L Ecologic	18-watt	2G11		20,000 hours	1250	69.4	3.0 mg	FT18DL/841/RS/ECO
		24-watt	2G11		12,000 hours	1800	75.0	3.0 mg	FT24DL/841/ECO
		36-watt	2G11		12,000 hours	2902	80.6	3.0 mg	FT36DL/841/ECO
		40-watt	2G11		15,000 hours	3150	78.8	3.0 mg	FT40DL/841/RS/ECO
		50-watt	2G11		14,000 hours	4300	86.0	3.0 mg	FT50DL/841/RS/ECO
		55-watt	2G11		12,000 hours	4800	87.3	3.0 mg	FT55DL/841/ECO