



### High Pressure Sodium (HPS) Bulbs, non-cycling (NC), 70-400 watts

Bulbs below are organized by wattage, and ones at the top of each category last the longest (rated life).

When upgrading from a cycling HPS lamp, non-cycling HPS lamps are more energy efficient and don't need a new ballast.

#### Bulbs below meet these criteria for bulbs SF City staff are required to buy:

1. Reduce maintenance costs because they don't cycle off near the end of their life.
2. Have a longer rated life than traditional HPS lamps (30,000+ hours, which is when 50% of the bulbs fail when tested on compatible ballasts based on 12-hour start cycles).
3. Have a warranty of at least one year.
4. Low mercury: Have no more than 10 mg of toxic mercury. Bulbs labeled TCLP-compliant are lead-free.
5. Bulbs complying with European Union's Restriction of Hazardous Substances (RoHS) Directive are lead-free.

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	Bulb Shape	Base	For SF City depts.: contact approved vendors below. Then <a href="#">check prices here.</a>	Rated Life	Lumens (initial):	Energy efficiency	Maximum mercury	

#### 70-watt bulbs

Sylvania	<a href="#">70-watt Lumalux PLUS</a>	E 17	Medium (E26)	armand@maltbyelectric.com, 415-863-5000	40,000	6,300	90.0	0.9 mg	LU70/PLUS/MED
Sylvania	<a href="#">70-watt Lumalux PLUS Ecologic</a>	ET 23.5	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	6,300	90.0	0.9 mg	LU70/PLIS/ECO
Philips	<a href="#">70-watt Ceramalux ALTO Non-Cycling</a>	ED 23.5	Mogul (E39)	Troy.Vaughn@regencylighting.com, 415-845-2269	30,000	6,300	90.0	0.9 mg	C70S62/ALTO NC HPS
GE	<a href="#">70-watt Ecolux Non-Cycling</a>	ED 23.5	Mogul (E39)	nsmith@omegapacific.com, 415-642-2195	30,000	6,300	90.0	1.8 mg	LU70/ECO/NC

#### 100-watt bulbs

Sylvania	<a href="#">100-watt Lumalux PLUS XL Ecologic</a>	ET 23.5	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	80,000	9,800	98.0	2.0mg	LU100/PLUS/XL/ECO
Sylvania	<a href="#">100-watt Lumalux PLUS</a>	E 17	Medium (E26)	armand@maltbyelectric.com, 415-863-5000	40,000	10,000	100.0	0.9 mg	LU100/PLUS/MED
Sylvania	<a href="#">100-watt Lumalux PLUS Ecologic</a>	ET 23.5	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	10,000	100.0	0.9 mg	LU100/PLUS/ECO
Philips	<a href="#">100-watt Ceramalux CL ALTO Non-Cycling</a>	ED 23.5	Mogul (E39)	Troy.Vaughn@regencylighting.com, 415-845-2269	30,000	10,000	100.0	0.9 mg	C100S54/ALTO NC HPS
GE	<a href="#">100-watt Ecolux Non-Cycling</a>	ED 23.5	Mogul (E39)	nsmith@omegapacific.com, 415-642-2195	30,000	9,800	98.0	1.2 mg	LU100/ECO/NC

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**150-watt bulbs**

Sylvania	<a href="#">150-watt Lumalux PLUS Ecologic</a>	ET 23.5	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	80,000	15,200	101.3	2.8 mg	LU150/PLUS/XL/ECO
Sylvania	<a href="#">150-watt Lumalux PLUS Ecologic</a>	ET 23.5	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	16,000	106.7	1.8 mg	LU150/55/PLUS/ECO
GE	<a href="#">150-watt Ecolux Non-cycling</a>	ED 18	Mogul (E39)	nsmith@omegapacific.com, 415-642-2195	40,000	16,000	106.7	3.87 mg	LU150/ECO/NC
Philips	<a href="#">150-watt Ceralumux ALTO Non-Cycling</a>	ED 23.5	Mogul (E39)	Troy.Vaughn@regencylighting.com, 415-845-2269	30,000	16,000	106.7	2.8 mg	C150S55/ALTO NC HPS

**200-watt bulbs**

Sylvania	<a href="#">200-watt Lumalux PLUS Ecologic</a>	ET18	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	22,000	110.0	2.9 mg	LU200/PLUS/ECO
GE	<a href="#">200-watt Ecolux Non-Cycling</a>	ED 18	Mogul (E39)	nsmith@omegapacific.com, 415-642-2195	30,000	22,000	110.0	2.9 mg	LU200/ECO/NC
Philips	<a href="#">200-watt Cermalux CL ALTO Non-Cycling</a>	ED 18	Mogul (E39)	Troy.Vaughn@regencylighting.com, 415-845-2269	30,000	22,000	110.0	3.4 mg	C200S66/ALTO NC HPS

**250-watt bulbs**

Sylvania	<a href="#">250-watt Lumalux PLUS Ecologic</a>	ET 18	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	29,000	116.0	2.9 mg	LU250/PLUS/ECO
GE	<a href="#">250-watt Ecolux Non-Cycling</a>	ED 18	Mogul (E39)	nsmith@omegapacific.com, 415-642-2195	40,000	29,000	116.0	5.1 mg	LU250/ECO/NC
Philips	<a href="#">250-watt Ceralumux CL ALTO Non-Cycling</a>	ED 18	Mogul (E39)	Troy.Vaughn@regencylighting.com, 415-845-2269	30,000	28,500	114.0	3.4 mg	C250S50/ALTO NC HPS

**310-watt bulbs**

Sylvania	<a href="#">310-watt Lumalux PLUS Ecologic</a>	ET 18	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	37,000	119.4	3.7 mg	LU310/PLUS/ECO
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**400-watt bulbs**

GE	<a href="#">400-watt Ecolux Non-Cycling</a>	ED 18	Mogul (E39)	nsmith@omegapacific.com, 415-642-2195	40,000	54,000	135.0	6.64 mg	LU400/ECO/NC
Sylvania	<a href="#">400-watt Lumalux PLUS Ecologic</a>	ET 18	Mogul (E39)	armand@maltbyelectric.com, 415-863-5000	40,000	50,000	125.0	3.7mg	LU400/PLUS/ECO
Philips	<a href="#">400-watt Ceramalux ALTO Non-Cycling</a>	ED 18	Mogul (E39)	Troy.Vaughn@regencylighting.com, 415-845-2269	30,000	50,000	125.0	5.4 mg	C400S51/ALTO NC HPS