

LEDs: Without Drivers (require external drivers)

Has no toxic mercury.

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

1. Minimum efficiency of 60 lumens/watt.
2. Minimum rated life 70% lumen maintenance at 35,000 hours.
3. Minimum Color Rendering Index (CRI) 80.
4. Minimum warranty 3 years.
5. UL Listing.
6. RoHS compliance.

Products below are organized alphabetically by manufacturer. GE doesn't offer LED lamps that require external drivers.

Basic info			Buy it (Replacing a bulb? You don't have to use the same brand. Ask vendors if products below can be used.)	Sample Ordering Code	Notes
Sample Photos	Manufacturer	Product line	For SF City depts.: contact approved vendors below. Then <u>check prices here.</u>		
	Sylvania	Linear T8 ULTRA High Output	armand@maltbyelectric.com, 415-863-5000	LED11T8L24/F/1X1HO/841/UNV	Available in 24 and 48 inch models. Also available as a <u>retrofit kit.</u>
		MR16		LED6MR16/DIM/830/NFL25	
		Circular LED		L22CT9/AC/841/12IN	Available in 9 and 12 inch models. Also available as a <u>retrofit kit with an external driver.</u>
		LEDStixx		LSX/DSP/24V/830/7	For display cases; requires accessories. Various lengths, input and output wattages and color temperatures.