

**U-Bent Fluorescent Tubes: T8 (6" models)**



Models at the top of the list below are most long-lasting and energy-efficient.

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

1. Run on energy-efficient electronic ballasts.
2. Have 80+ Color Rendering Index for energy efficiency and performance.
3. Have a rated life of at least 18,000 hours (which is when 50% of the bulbs fail when tested on electronic instant start ballasts based on 3-hour start cycles).
4. Have no more than 8 mg of toxic mercury. Bulbs complying with European Union's Restriction of Hazardous Substances (RoHS) Directive are lead-free.

| Basic info   |  | Buy it<br>(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 for a bulb that helps your eyes see better (cool white / color temperature 4100K) |
|--------------|--|--|--|--|---|-----------------|--|
| Manufacturer | Product line   | For SF City depts.: contact approved vendors below. Then <a href="#">check prices here</a> .                   | 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           | <a href="#">30-watt Mod-U-Line U6 SPX Watt-Miser (WM) Ecolux</a>         | nsmith@omegapacific.com, 415-642-2195  | 24,000   | 2800   | 93.3  | 2.95 mg         | F32T8/XPX41/U6/WM/ECO  |
| Philips      | <a href="#">32-watt 800 PLUS U-Bent ALTO</a>                             | Troy.Vaughn@regencylighting.com, 415-845-2269  | 24,000   | 2800   | 87.5  | 3 mg            | FB32/TL841/PLUS/6/ALTO   |
| Philips      | <a href="#">25-watt Energy Advantage U-Bent ALTO</a>                     | Troy.Vaughn@regencylighting.com, 415-845-2269  | 20,000   | 2400   | 96.0  | 3 mg            | FB32T8/ADV841/6/XEW/ALTO 25 WATT   |
| GE           | <a href="#">32-watt Mod-U-Line U6 SPX Ecolux</a>                         | nsmith@omegapacific.com, 415-642-2195  | 20,000   | 2850   | 89.1  | 3.75 mg         | F32T8/XPX41/U6/ECO   |
| Philips      | <a href="#">32-watt 800 U-Bent ALTO</a>                                  | Troy.Vaughn@regencylighting.com, 415-845-2269  | 20,000   | 2800   | 87.5  | 3 mg            | FB32T8/TL841/6/ALTO  |
| Sylvania     | <a href="#">25-watt OCTRON Curvalume 800 XP SUPERSAVER (SS) Ecologic</a> | armand@maltbyelectric.com, 415-863-5000  | 18,000   | 2350   | 94.0  | 3.75 mg         | FBO25/841/XP/SS/6/ECO  |

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| Manufacturer | Product line   | For SF City depts.: contact approved vendors below. Then <a href="#">check prices here.</a>                    | 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 |  |
| Sylvania     | <a href="#">30-watt OCTRON Curvalume 800 XP SUPERSAVER (SS) Ecologic</a> | armand@maltbyelectric.com, 415-863-5000  | 18,000   | 2800   | 93.3  | 3.75 mg         | FBO30/841/XP/SS/6/ECO  |
| Sylvania     | <a href="#">28-watt OCTRON Curvalume 800 XP SUPERSAVER (SS) Ecologic</a> | armand@maltbyelectric.com, 415-863-5000  | 18,000   | 2590   | 92.5  | 3.75 mg         | FBO28/841/XP/SS/6/ECO  |
| Sylvania     | <a href="#">32-watt OCTRON Curvalume 800 XP Ecologic</a>                 | armand@maltbyelectric.com, 415-863-5000  | 18,000   | 2900   | 90.6  | 3.75 mg         | FBO30/841XP/ECO  |
| GE           | <a href="#">28-watt Mod-U-Line U6 SPX Watt-Miser (WM) Ecolux</a>         | nsmith@omegapacific.com, 415-642-2195  | 18,000   | 2500   | 89.3  | 8.0 mg          | F28T8/XPX41/U6/ECO   |



**U-Bent Fluorescent Tubes: T8 (1 5/8" models)**

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4. Have no more than 8 mg of toxic mercury. Bulbs complying with European Union's Restriction of Hazardous Substances (RoHS) Directive are lead-free.

| Basic info   |  | Buy it<br>(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 for a bulb that helps your eyes see better (cool white / color temperature 4100K) |
|--------------|--|--|--|--|---|-----------------|--|
| Manufacturer | Product line   | For SF City depts.: contact approved vendors below. Then <a href="#">check prices here.</a>                    | 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 |  |
| Philips      | <a href="#">29-watt U-Bent 800 Energy Advantage ALTO</a>                 | Troy.Vaughn@regencylighting.com, 415-845-2269  | 24,000   | 2600   | 89.7  | 3 mg            | FB29T8/TL841/EA/ALTO   |
| Philips      | <a href="#">31-watt U-Bent 800 ALTO</a>                                  | Troy.Vaughn@regencylighting.com, 415-845-2269  | 24,000   | 2775   | 89.5  | 3 mg            | FB31T8/TL841/ALTO  |
| GE           | <a href="#">31-watt Mod-U-Line SPX Ecolux</a>                            | nsmith@omegapacific.com, 415-642-2195  | 18,000   | 2775   | 89.5  | 6 mg            | F31T8/SPX41/U/ECO  |
| Sylvania     | <a href="#">31-watt OCTRON Curvalume 800 XP Ecologic</a>                 | armand@maltbyelectric.com, 415-863-5000  | 18,000   | 2775   | 89.5  | 6 mg            | FBO31/841/XP/ECO   |
| GE           | <a href="#">26-watt Mod-U-Line SPX Ecolux</a>                            | nsmith@omegapacific.com, 415-642-2195  | 18,000   | 2250   | 86.5  | 8 mg            | F26T8/SPX41/U/ECO  |
| Sylvania     | <a href="#">29-watt OCTRON Curvalume 800 XP Supersaver (SS) Ecologic</a> | armand@maltbyelectric.com, 415-863-5000  | 18,000   | 2500   | 86.2  | 6 mg            | FBO29/841/XP/SS/ECO  |
| GE           | <a href="#">29-watt Mod-U-Line SPX Ecolux</a>                            | nsmith@omegapacific.com, 415-642-2195  | 18,000   | 2500   | 86.2  | 8 mg            | F29T8/SPX41/U/ECO  |

\*Initial lumens may be different for 5000K or 6500K lamps