

**T8 4-foot Extra-efficient Electronic Instant Start Ballasts**

They are more energy efficient than generic electronic ballasts.

SF City staff are required to:

1. Check the latest ballasts on the [Consortium for Energy Efficiency \(CEE\) Qualifying Products List](#)
2. In that list, get product lines below from vendors below

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
Manufacturer	Product line	SF City depts.: Contact approved vendors below and get <u>discounted prices.</u>	
<b>Non-Dimming</b>			
GE	<a href="#">Multivolt Proline</a>	nsmith@omegapacific.com, 415-642-2195	GE-432-MV-N
	<a href="#">ProLine</a>		GE432-N-347
	<a href="#">UltraMax</a>		GE-432-MAX/ULTR
Philips	<a href="#">Centium</a>	Troy.Vaughn@regencylighting.com, 415-845-2269	ICN-4P32-N
	<a href="#">Optanium</a>		IOP-4P32-N
Sylvania	<a href="#">Quicktronic High Efficiency (QHE)</a>	armand@maltbyelectric.com, 415-863-5000	QHE 4X32T8/UNV-ISN SC
	<a href="#">Quicktronic Professional (QTP)</a>		QTP 4X32T8/UNV ISM-SC
<b>Dimming</b>			
GE	<a href="#">UltraMax Step Dimming</a>	nsmith@omegapacific.com, 415-642-2195	GE632MAX-H90-S60
Sylvania	<a href="#">Quicktronic PowerShed Load Shed Dimming</a>	armand@maltbyelectric.com, 415-863-5000	QHELS2X32T8/UNV-ISN-SC

**T8 4-foot Extra-efficient Electronic Program Start Ballasts**

More energy efficient than generic electronic ballasts; compatible with occupancy sensors and dimming systems.

SF City staff are required to:

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2. In that list, get product lines below from vendors below

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
Manufact	Product line	SF City depts.: Contact approved vendors below and get <u>discounted prices.</u>	
<b>Non-Dimming</b>			
GE	<a href="#">Ultrastart</a>	nsmith@omegapacific.com, 415-642-2195	GE-432-MVPS-N
Philips	<a href="#">Optanium</a>	Troy.Vaughn@regencylighting.com, 415-845-2269	IOP-4S32-SC
Sylvania	<a href="#">Quicktronic High Efficiency (QHE) Prostart T8 Parallel Operation</a>	armand@maltbyelectric.com, 415-863-5000	QHE 4X32T8/UNV PSN-SC
	<a href="#">Quicktronic (QTP) Prostart T8 Universal Voltage PSN</a>	armand@maltbyelectric.com, 415-863-5000	QTP 4X32T8/UNV PSN-SC
<b>Dimming</b>			
GE	<a href="#">UltraMax Bi-Level Switching</a>	nsmith@omegapacific.com, 415-642-2195	GE232MAX90-S60
	<a href="#">UltraMax LoadShed Dimming</a>		GE232MAX90-V60
	<a href="#">UltraStart T8 100-3% Dimming</a>		GE 132MVPS-N-VO3
	<a href="#">UltraStart T8 Bi-Level Dimming</a>		GE 132-MVPS-N-S30
Philips	<a href="#">EssentiaLine</a>	Troy.Vaughn@regencylighting.com, 415-845-2269	ILV-2S32-SC
	<a href="#">Mark 7</a>		IZT-132-SC
	<a href="#">Mark 7 0-10V</a>		GZT-2S32-SC
	<a href="#">Mark 10 Powerline</a>		REZ-132-SC
	<a href="#">Optanium Step Dim</a>		IOP-2S32-SC-SD
	<a href="#">ROVR (Intelligent Control)</a>		IDA-132-SC
Sylvania	<a href="#">Quicktronic High Efficiency ProStart T8 Dimming</a>	armand@maltbyelectric.com, 415-863-5000	QHE1x32T8/UNV DIM-TC
	<a href="#">Quicktronic High Efficiency ProStart T8 QuickStep Bi-Level Dimming</a>		QHE2x32T8/UNV PSN-SC
	<a href="#">Quicktronic Powersense T8 Dimming</a>		QTP4X32T8/UNV DIM-TC

**T8 Instant Start Ballasts**

More energy efficient than rapid start electronic ballasts, or magnetic ballasts lengths. Contact vendors to find the right ballast.

Ballasts below are available in Low, Normal and High Ballast Factor models.

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

Class A sound rating.

Power factor of 90 or greater.

High-frequency and operate lamps at a frequency above 42Hz.

Current crest factor of 1.7 or less.

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
Manufacturer	Product Line	SF City depts.: Contact approved vendors below and get <u>discounted prices</u> .		
GE	<a href="#">ProLine High Efficiency Multivolt</a>	nsmith@omegapacific.com, 415-642-2195	GE259-N-347	
	<a href="#">UltraMax High Efficiency Multivolt</a>		GE132MAX-N/Ultra	
	<a href="#">UltraMax Loadshed 0-10V Dimming Electronic Dimming Ballast</a>		GE232MAX90-V60	
	<a href="#">UltraMax Step Dimming Electronic Dimming Ballast</a>		GE332MAX90-S60	
Philips	<a href="#">Centium</a>	Troy.Vaughn@regencylighting.com, 415-845-2269	ICN-4P32-N	
	<a href="#">Oplanium</a>		IOP-4P32-N	
Sylvania	<a href="#">QUICKTRONIC High Efficiency 59 (8-foot)</a>	armand@maltbyelectric.com, 415-863-5000	QHE 2x59T8/UNV-ISN-SC	Model for 8-foot lamps
	<a href="#">QUICKTRONIC High Efficiency</a>		QHE 1X32T8/UNV ISN-SC	
	<a href="#">QUICKTRONIC Professional Series</a>		QTP 1x32T8/UNV ISN-SC	

**T8 Program Start Ballasts**

More energy efficient than rapid start electronic ballasts, or magnetic ballasts lengths. Contact vendors to find the right ballast.

Ballasts below are available in Low, Normal and High Ballast Factor models.

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

Class A sound rating.

Power factor of 90 or greater.

High-frequency and operate lamps at a frequency above 42Hz.

Current crest factor of 1.7 or less.

Multi-volt and run on 120V, 230V and 277V.

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
Manufacturer	Product line	SF City depts.: Contact approved vendors below and get <u>discounted prices</u> .		
GE	<a href="#">UltraMax</a>	nsmith@omegapacific.com, 415-642-2195	B132PUNVHP-A	Available for 17W and 28W lamps
	<a href="#">UltraStart T8 Bi-Level Dimming Ballast</a>		GE132MVPS-NS30	
Philips	<a href="#">Centium T8 High Output</a>	Troy.Vaughn@regencylighting.com, 415-845-2269	ICN-2S86	Operates high wattage T8 lamps (44-86W)
	<a href="#">Optanium</a>		IOPA-2P32-N	
Sylvania	<a href="#">QUICKTRONIC High Efficiency POWERSENSE Full Range Dimming</a>	armand@maltbyelectric.com, 415-863-5000	QTP 1x32T8/UNV DIM-TC	Dimming (100% to 5%)
	<a href="#">QUICKTRONIC High Efficiency PROStart</a>		QHE 1x32T8/UNV PSN-MC	
	<a href="#">QUICKTRONIC High Efficiency QUICKSTEP Bi-level Step Dimming</a>		QHES 2x32T8/UNV PSN-SC	Dimming (100% to 50%)