GE
Lighting

energize

GE energy-efficient T8 linear fluorescent systems

imagination at work

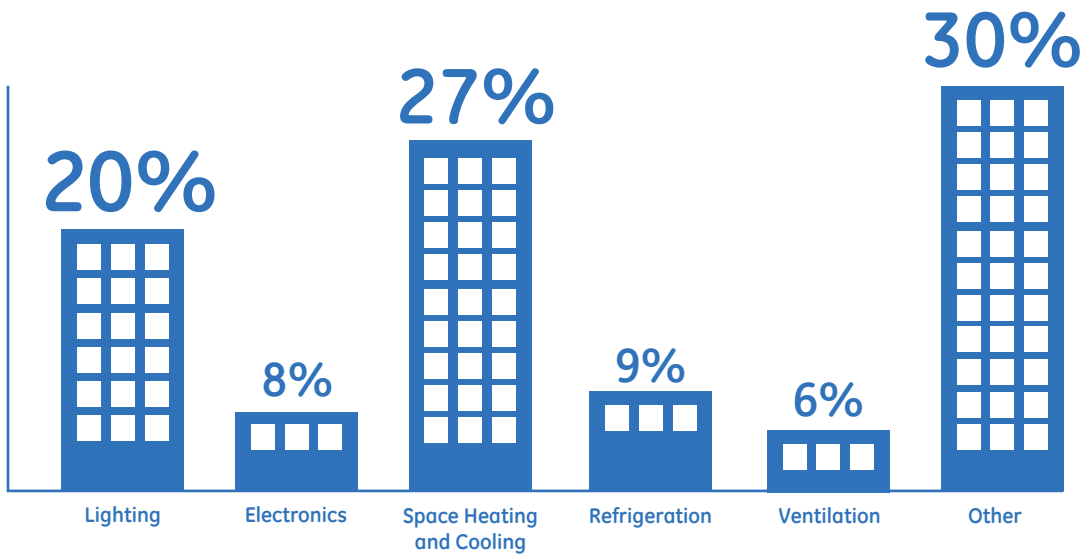
expertise

a bright way to improve efficiency

Your business is valuable. And when workflow is interrupted by maintenance work on energy-draining lamps, productivity and profits suffer. GE linear fluorescent systems offer the ideal solution — energy-efficiency and long life combine to create a system that lowers the cost of your energy bill, and the cost of maintenance.

how lighting affects electricity usage

Lighting makes up 20% of a building's electricity use.



Source: U.S. Department of Energy

leading the industry

GE has been lighting businesses for 100 years. The challenges are constantly evolving, but our products and our people continue to rise to the occasion. Our team offers expertise on everything from auditing to product selection, ensuring that you are always confident in your lighting decision.

In addition, GE delivers innovation coupled with the latest education, including lighting legislation and environmental regulations. As part of our ecomagination℠ initiatives, GE offers expansive online resources and tools to help businesses navigate the ever-changing market landscape.

At gelighting.com, you can find:

- Environmental data, regulations and certifications
- Legislation Product Replacement Tool
- Fluorescent Solutions Calculator

compliant

a smart choice

GE T8 linear fluorescent lamps are a healthy choice for your budget. With system solutions that meet the Toxicity Characteristic Leaching Procedure (TCLP), we have the right selection of linear fluorescent systems for the needs of virtually any facility.

- Replace older technology to provide energy savings and lower maintenance costs.
- Re-lamp existing fixtures with energy-saving or long-life lamp options.
- Receive warranty support when using a GE UltraStart® or UltraMax® lamp and ballast system.

did you know?

The total electrical energy used in the U.S. for lighting is equivalent to the output of about 100 large power plants. The cost is around $55 billion per year.

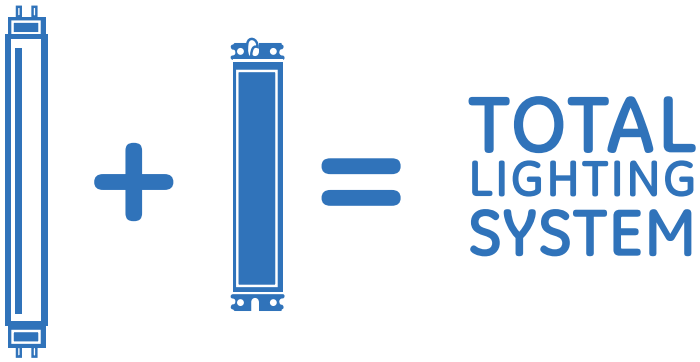
Source: Lighting Research Center website

conformance directive

The Restriction of Hazardous Substances (RoHS) is a European Union directive that restricts six hazardous materials in consumer products:

- Lead
- Mercury
- Cadmium
- Hexavalent chromium
- PBB flame retardants
- PBDE flame retardants

GE T8 lamp and ballast options offer full system solutions that meet these material restriction requirements of RoHS relating to those substances.

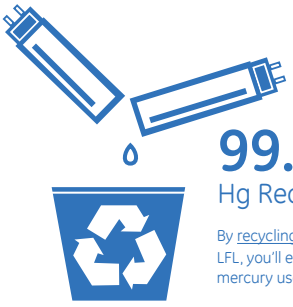


reduce, recover, recycle

All fluorescent lamps require a very small amount of mercury to enable the lamp to operate with optimal energy efficiency and long life.

When you recycle fluorescent lamps, it allows us to recover and reuse that mercury, reducing environmental impact.

That's why GE works with recyclers who offer services for homeowners, retailers and distributors.



99.9%
Hg Recovered

By recycling a mercury-containing LFL, you'll ensure that 99.98% of the mercury used in the lamp is recovered.

Source: Based on information from ENERGY STAR® (2007) and Cain et. al. (2007).

elevate

comprehensive solutions

Whether you strive to exceed the expectations of guests, create healthier outcomes for patients, or transform an office space, GE can help you find the right T8 solution to meet your enterprise goals. We offer systems uniquely suited to efficiency and durability, with options available in a range of shapes and sizes.

T8 application guide

	<4' applications 2', 3' linear and 1 5/8", 6" Mod-U-Line®	4' applications	8' applications
Industry	Office, retail, healthcare, hospitality	Office, retail, healthcare, hospitality, industrial/warehouse	
Re-lamp	Replace standard T8 lamps with energy-saving and/or long-life options		
Retrofit	Replace legacy technology with GE UltraStart® or UltraMax® T8 systems to maximize energy savings and life		
Major renovation/ new construction	Optimize application space with GE's highest performing GE UltraStart® or UltraMax® T8 systems to use fewer lamps, minimize energy consumption, and extend re-lamp cycles		

innovative quality

GE T8 lamps utilize the latest fluorescent technology combined with versatile design.

- Watt-Miser® lamps: GE's best fluorescent technology is at the heart of our most energy-efficient lamp, delivering the same or similar lumen output as standard fluorescent lamps with less energy used.
- covRguard® lamps: A shatter-resistant coating offers strong protection with minimum light loss. These lamps block most ultraviolet light emissions, and meet FDA, NSF and OSHA standards.

All GE T8 lamps include:

- Starcoat® technology: A proprietary coating technology that eliminates the need for traditional, lower quality halophosphor coating by reflecting the UV-light more effectively.
- Ecolux® technology: Lamps are low in mercury, TCLP-compliant and feature outstanding performance and reliability.

personalize

T8 product overview

<4’ applications

Length	Standard	Extra-Life	Watt-Miser®	covRguard®
2'	17W	17W	15W	17W
3'	25W	25W	22W	—
6” Mod-U-Line®	32W	—	28W	—
1 5/8” Mod-U-Line®	31W	—	29W, 26W	—

4’ applications

Length	Standard	Extra-Life	Watt-Miser®	covRguard®
4'	32W	32W XL	28W, 25W	32W, 32W XL, 28W, 25W
4'	—	32W SXL	—	—
4'	—	32W high lumen	—	32W high lumen

8’ applications

Length	Standard	Extra-Life	Watt-Miser®	covRguard®
8'	—	59W	54W, 49W	59W
8'	86W	—	—	86W

did you know?

In 1938, GE invented the first practical low-pressure discharge lamp, now referred to as the fluorescent lamp.

the UltraMax® and UltraStart® family

This feature-rich generation of programmed start electronic ballasts from GE offers unique benefits and features.

UltraMax®

Intended for long burn cycle applications, and offers a lower cost option when switched less than five times per day. These ballasts can virtually “read” voltage, and exceed 90 percent efficiency.

UltraStart®

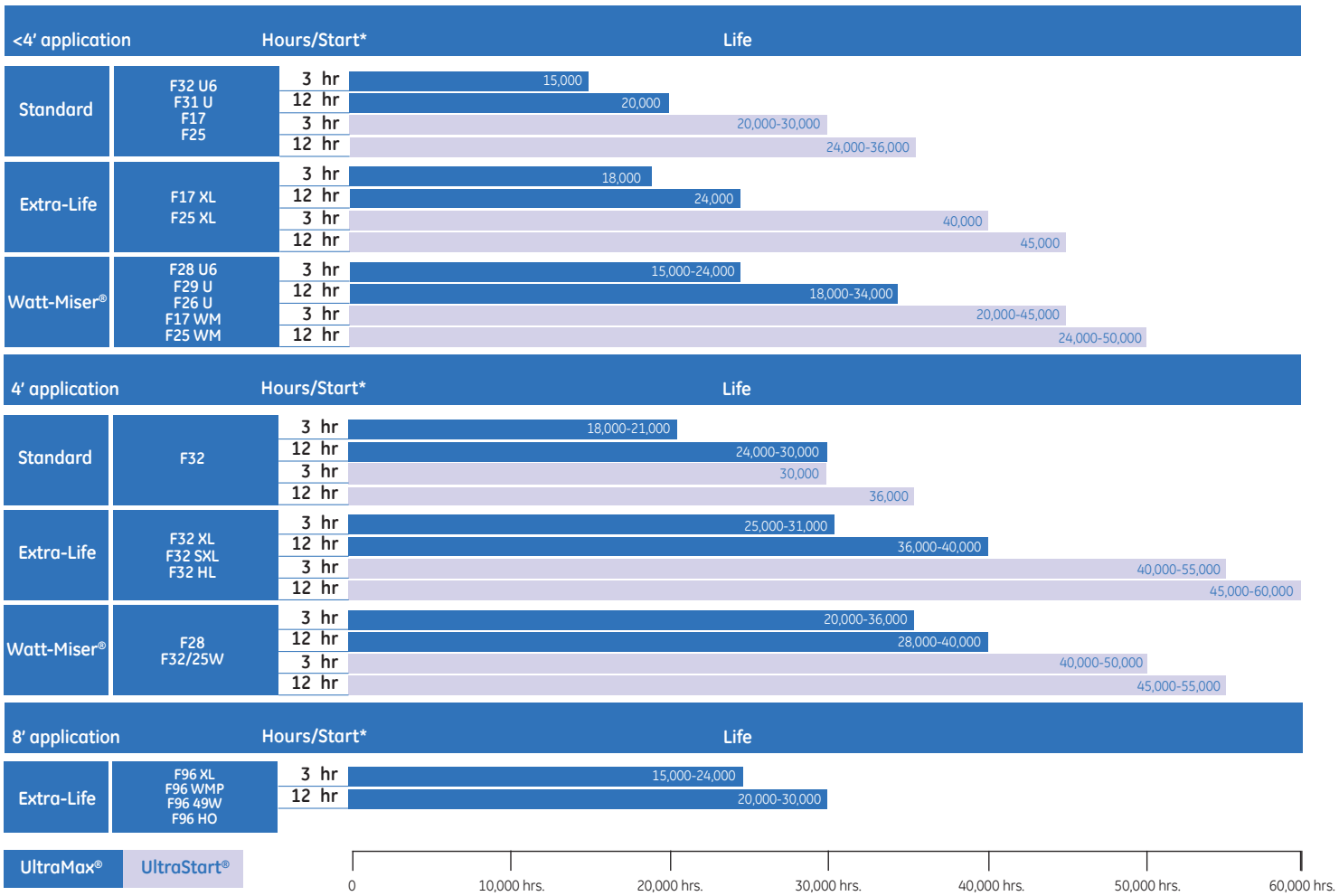
Delivers longer life in frequently switched applications, such as those used with sensors. An UltraStart® ballast is ideal for extending lamp life, and provides over 100,000 starts before 50 percent lamp failure.

excel

ballast benefits and features

	Benefits	Features	UltraMax®	UltraStart®
Energy savings	• Ballast consumes <10% of the total system power	High Efficiency (>90%)	✓	✓
	• Increases energy savings by cutting power to cathodes after starting	Continuous cathode cutout	N/A	✓
Lamp life	• Recommended with sensors • Extends lamp life and warranty	Programmed start	N/A	✓
	• ANSI requirements <1.7 (A crest factor of 1.41 or less is optimal to extend lamp life)	Current crest factor	<1.4	<1.7
	• If one lamp fails, others remain lit	Parallel lamp operation	✓	✓
Performance	• Simplifies installation, adapting to any voltage from 108V to 305V (347V for the Canadian market, 480V for industrial applications)	Multi-voltage technology	✓	✓
	• Provides fast starting with sensors	Fast starting time	✓	<700ms
	• Prevents ballast from arcing when sockets are damaged	UL type CC anti-arc rating	✓	N/A
	• Starts in extreme cold	Minimum starting temperature	-22˚F	0˚F
	• Eliminates maintenance issues caused by striating or spiraling lamps	Anti-striation control	✓	✓
	• Maintains 5-year warranty even in high ambient (55˚C/131˚F) applications	UltraCool™ certification	✓	✓

T8 system life ratings



Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
2' Standard												
2'	24	17	Medium Bi-Pin (G13)	45741	F17T8/SP30/ECO	24	30,000	36,000	1,325	1,260	3000	78
	24	17	Medium Bi-Pin (G13)	45743	F17T8/SP35/ECO	24	30,000	36,000	1,325	1,260	3500	78
	24	17	Medium Bi-Pin (G13)	45748	F17T8/SP41/ECO	24	30,000	36,000	1,325	1,260	4100	78
	24	17	Medium Bi-Pin (G13)	45742	F17T8/SPX30/ECO	24	30,000	36,000	1,350	1,280	3000	85
	24	17	Medium Bi-Pin (G13)	45747	F17T8/SPX35/ECO	24	30,000	36,000	1,350	1,280	3500	85
	24	17	Medium Bi-Pin (G13)	45749	F17T8/SPX41/ECO	24	30,000	36,000	1,350	1,280	4100	85
2' Standard with covRguard®												
2'	24	17	Medium Bi-Pin (G13)	15974	F17T8SP35ECOCVG	24	30,000	36,000	1,280	1,220	3500	78
	24	17	Medium Bi-Pin (G13)	15977	F17T8SP41ECOCVG	24	30,000	36,000	1,280	1,220	4100	78
	24	17	Medium Bi-Pin (G13)	15975	F17T8SPX35ECOCVG	24	30,000	36,000	1,310	1,242	3500	85
	24	17	Medium Bi-Pin (G13)	15976	F17T8SPX41ECOCVG	24	30,000	36,000	1,310	1,242	4100	85
	24	17	Medium Bi-Pin (G13)	28885	F17T8XLSPX50ECOCVG	24	40,000	45,000	1,310	1,242	5000	82
2' XL Extra-Life												
2'	24	17	Medium Bi-Pin (G13)	15476	F17T8/XL/SP30/ECO	24	40,000	45,000	1,325	1,260	3000	78
	24	17	Medium Bi-Pin (G13)	15479	F17T8/XL/SP35/ECO	24	40,000	45,000	1,325	1,260	3500	78
	24	17	Medium Bi-Pin (G13)	15480	F17T8/XL/SP41/ECO	24	40,000	45,000	1,325	1,260	4100	78
	24	17	Medium Bi-Pin (G13)	15481	F17T8/XL/SPX30/ECO	24	40,000	45,000	1,350	1,280	3000	85
	24	17	Medium Bi-Pin (G13)	15483	F17T8/XL/SPX35/ECO	24	40,000	45,000	1,350	1,280	3500	85
	24	17	Medium Bi-Pin (G13)	15484	F17T8/XL/SPX41/ECO	24	40,000	45,000	1,350	1,280	4100	85
	24	17	Medium Bi-Pin (G13)	10415	F17T8/XL/SPX50/ECO	24	40,000	45,000	1,300	1,235	5000	82
	24	17	Medium Bi-Pin (G13)	16092	F17T8/XL/SPX65/ECO	24	40,000	45,000	1,250	1,125	6500	78
2' Watt-Miser®												
2'	24	15	Medium Bi-Pin (G13)	72132	F17T8/XL/SPX30/WM/ECO	24	45,000	50,000	1,200	1,130	3000	85
	24	15	Medium Bi-Pin (G13)	72133	F17T8/XL/SPX35/WM/ECO	24	45,000	50,000	1,200	1,130	3500	85
	24	15	Medium Bi-Pin (G13)	72134	F17T8/XL/SPX41/WM/ECO	24	45,000	50,000	1,200	1,130	4100	82
	24	15	Medium Bi-Pin (G13)	72135	F17T8/XL/SPX50/WM/ECO	24	45,000	50,000	1,175	1,105	5000	80
3' Standard												
3'	36	25	Medium Bi-Pin (G13)	45750	F25T8/SP30/ECO	24	30,000	36,000	2,080	1,970	3000	78
	36	25	Medium Bi-Pin (G13)	45754	F25T8/SP35/ECO	24	30,000	36,000	2,080	1,970	3500	78
	36	25	Medium Bi-Pin (G13)	45756	F25T8/SP41/ECO	24	30,000	36,000	2,080	1,970	4100	78
	36	25	Medium Bi-Pin (G13)	45753	F25T8/SPX30/ECO	24	30,000	36,000	2,150	2,040	3000	85
	36	25	Medium Bi-Pin (G13)	45755	F25T8/SPX35/ECO	24	30,000	36,000	2,150	2,040	3500	85
	36	25	Medium Bi-Pin (G13)	45757	F25T8/SPX41/ECO	24	30,000	36,000	2,150	2,040	4100	85
3' Standard with covRguard®												
3'	36	25	Medium Bi-Pin (G13)	15978	F25T8SP30ECOCVG	24	30,000	36,000	2,020	1,920	3000	78
	36	25	Medium Bi-Pin (G13)	15981	F25T8SP35ECOCVG	24	30,000	36,000	2,020	1,920	3500	78
	36	25	Medium Bi-Pin (G13)	15984	F25T8SP41ECOCVG	24	30,000	36,000	2,020	1,920	4100	78
	36	25	Medium Bi-Pin (G13)	15989	F25T8SPX30ECOCVG	24	30,000	36,000	2,080	1,970	3000	85
	36	25	Medium Bi-Pin (G13)	15990	F25T8SPX35ECOCVG	24	30,000	36,000	2,080	1,970	3500	85
	36	25	Medium Bi-Pin (G13)	15991	F25T8SPX41ECOCVG	24	30,000	36,000	2,080	1,970	4100	85
	36	25	Medium Bi-Pin (G13)	28887	F25T8XLSPX50ECOCVG	24	40,000	45,000	1,990	1,890	5000	82
3' XL Extra-Life												
3'	36	25	Medium Bi-Pin (G13)	15486	F25T8/XL/SP30/ECO	24	40,000	45,000	2,080	1,970	3000	78
	36	25	Medium Bi-Pin (G13)	15487	F25T8/XL/SP35/ECO	24	40,000	45,000	2,080	1,970	3500	78
	36	25	Medium Bi-Pin (G13)	15488	F25T8/XL/SP41/ECO	24	40,000	45,000	2,080	1,970	4100	78
	36	25	Medium Bi-Pin (G13)	15489	F25T8/XL/SPX30/ECO	24	40,000	45,000	2,150	2,040	3000	85
	36	25	Medium Bi-Pin (G13)	15490	F25T8/XL/SPX35/ECO	24	40,000	45,000	2,150	2,040	3500	85
	36	25	Medium Bi-Pin (G13)	15491	F25T8/XL/SPX41/ECO	24	40,000	45,000	2,150	2,040	4100	85
	36	25	Medium Bi-Pin (G13)	10416	F25T8/XL/SPX50/ECO	24	40,000	45,000	2,050	1,950	5000	82
	36	25	Medium Bi-Pin (G13)	16314	F25T8/XL/SPX65/ECO	24	40,000	45,000	1,950	1,755	6500	78
3' Watt-Miser®												
3'	36	22	Medium Bi-Pin (G13)	72136	F25T8/XL/SPX30/WM/ECO	24	45,000	50,000	1,925	1,810	3000	85
	36	22	Medium Bi-Pin (G13)	72137	F25T8/XL/SPX35/WM/ECO	24	45,000	50,000	1,925	1,810	3500	85
	36	22	Medium Bi-Pin (G13)	72138	F25T8/XL/SPX41/WM/ECO	24	45,000	50,000	1,925	1,810	4100	82
	36	22	Medium Bi-Pin (G13)	72139	F25T8/XL/SPX50/WM/ECO	24	45,000	50,000	1,900	1,785	5000	80
1 5/8" Spacing Mod-U-Line®												
22.5"	22.5	31	Medium Bi-Pin (G13)	72117	F31T8/SPX30/U/ECO	15	24,000	30,000	2,775	2,440	3000	82
	22.5	31	Medium Bi-Pin (G13)	72118	F31T8/SPX35/U/ECO	15	24,000	30,000	2,775	2,440	3500	82
	22.5	31	Medium Bi-Pin (G13)	72119	F31T8/SPX41/U/ECO	15	24,000	30,000	2,775	2,440	4100	82
	22.5	29	Medium Bi-Pin (G13)	62172	F29T8/SPX30/U/ECO	15	24,000	30,000	2,500	2,200	3000	82
	22.5	29	Medium Bi-Pin (G13)	62173	F29T8/SPX35/U/ECO	15	24,000	30,000	2,500	2,200	3500	82
	22.5	29	Medium Bi-Pin (G13)	62174	F29T8/SPX41/U/ECO	15	24,000	30,000	2,500	2,200	4100	82
	22.5	26	Medium Bi-Pin (G13)	62169	F26T8/SPX30/U/ECO	15	24,000	30,000	2,250	1,980	3000	82
	22.5	26	Medium Bi-Pin (G13)	62170	F26T8/SPX35/U/ECO	15	24,000	30,000	2,250	1,980	3500	82
	22.5	26	Medium Bi-Pin (G13)	62171	F26T8/SPX41/U/ECO	15	24,000	30,000	2,250	1,980	4100	82

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

<4' lamp applications continued

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
6" Spacing Mod-U-Line®												
22.5"	22.5	32	Medium Bi-Pin (G13)	10479	F32T8/SP30/U6	12	20,000	24,000	2,700	2,565	3000	78
	22.5	32	Medium Bi-Pin (G13)	23585	F32T8/SP35/U6	12	20,000	24,000	2,700	2,565	3500	78
	22.5	32	Medium Bi-Pin (G13)	10480	F32T8/SP41/U6	12	20,000	24,000	2,700	2,565	4100	78
	22.5	32	Medium Bi-Pin (G13)	68920	F32T8/SPX30/U6/2	12	20,000	24,000	2,800	2,630	3000	82
	22.5	32	Medium Bi-Pin (G13)	68921	F32T8/SPX35/U6/2	12	20,000	24,000	2,800	2,630	3500	82
	22.5	32	Medium Bi-Pin (G13)	68922	F32T8/SPX41/U6/2	12	20,000	24,000	2,800	2,630	4100	82
	22.5	32	Medium Bi-Pin (G13)	68923	F32T8/SPX50/U6/2	12	20,000	24,000	2,660	2,510	5000	82
	22.5	32	Medium Bi-Pin (G13)	28145	F32T8/SP30/U6/ECO	12	20,000	24,000	2,700	2,375	3000	78
	22.5	32	Medium Bi-Pin (G13)	28149	F32T8/SP35/U6/ECO	12	20,000	24,000	2,700	2,375	3500	78
	22.5	32	Medium Bi-Pin (G13)	28152	F32T8/SP41/U6/ECO	12	20,000	24,000	2,700	2,375	4100	78
	22.5	32	Medium Bi-Pin (G13)	72111	F32T8/SPX30/U6/ECO	12	20,000	24,000	2,800	2,465	3000	82
	22.5	32	Medium Bi-Pin (G13)	72112	F32T8/SPX35/U6/ECO	12	20,000	24,000	2,800	2,465	3500	82
	22.5	32	Medium Bi-Pin (G13)	72113	F32T8/SPX41/U6/ECO	12	20,000	24,000	2,800	2,465	4100	82
	22.5	28	Medium Bi-Pin (G13)	67394	F28T8/SPX30/U6/ECO	12	20,000	24,000	2,500	2,200	3000	82
	22.5	28	Medium Bi-Pin (G13)	67395	F28T8/SPX35/U6/ECO	12	20,000	24,000	2,500	2,200	3500	82
	22.5	28	Medium Bi-Pin (G13)	67396	F28T8/SPX41/U6/ECO	12	20,000	24,000	2,500	2,200	4100	82

4' lamp applications

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
Standard												
4'	48	32	Medium Bi-Pin (G13)	26666	F32T8/SP30/ECO	36	30,000	36,000	2,450	2,300	3000	78
	48	32	Medium Bi-Pin (G13)	26667	F32T8/SP35/ECO	36	30,000	36,000	2,450	2,300	3500	78
	48	32	Medium Bi-Pin (G13)	26668	F32T8/SP41/ECO	36	30,000	36,000	2,450	2,300	4100	78
	48	32	Medium Bi-Pin (G13)	16090	F32T8/SP50/ECO	36	30,000	36,000	2,450	2,300	5000	78
	48	32	Medium Bi-Pin (G13)	16091	F32T8/SP65/ECO	36	30,000	36,000	2,450	2,300	6500	78
	48	32	Medium Bi-Pin (G13)	66347	F32T8/SPP30/ECO	36	30,000	36,000	2,900	2,725	3000	80
	48	32	Medium Bi-Pin (G13)	66348	F32T8/SPP35/ECO	36	30,000	36,000	2,900	2,725	3500	80
	48	32	Medium Bi-Pin (G13)	66349	F32T8/SPP41/ECO	36	30,000	36,000	2,900	2,725	4100	80
	48	32	Medium Bi-Pin (G13)	66350	F32T8/SPP50/ECO	36	30,000	36,000	2,900	2,725	5000	80
	48	32	Medium Bi-Pin (G13)	68850	F32T8/SPX30/ECO2	36	30,000	36,000	2,925	2,770	3000	85
	48	32	Medium Bi-Pin (G13)	68851	F32T8/SPX35/ECO2	36	30,000	36,000	2,925	2,770	3500	85
	48	32	Medium Bi-Pin (G13)	68852	F32T8/SPX41/ECO2	36	30,000	36,000	2,925	2,770	4100	85
	48	32	Medium Bi-Pin (G13)	68853	F32T8/SPX50/ECO2	36	30,000	36,000	2,900	2,755	5000	82
	48	32	Medium Bi-Pin (G13)	66342	F32T8/SPX65/ECO2	36	30,000	36,000	2,900	2,755	6500	78
Standard with covRguard®												
4'	48	32	Medium Bi-Pin (G13)	40803	F32T8SP30ECO/CVG	36	30,000	36,000	2,375	2,230	3000	78
	48	32	Medium Bi-Pin (G13)	40804	F32T8SP35ECO/CVG	36	30,000	36,000	2,375	2,230	3500	78
	48	32	Medium Bi-Pin (G13)	40812	F32T8SP41ECO/CVG	36	30,000	36,000	2,375	2,230	4100	78
	48	32	Medium Bi-Pin (G13)	18366	F32T8/SP50ECO/CVG	36	30,000	36,000	2,375	2,230	5000	78
	48	40	Medium Bi-Pin (G13)	18368	F32T8/SP65ECO/CVG	36	30,000	36,000	2,375	2,230	6500	78
	48	32	Medium Bi-Pin (G13)	41125	F32T8SPX30ECOCVG	36	30,000	36,000	2,835	2,690	3000	85
	48	32	Medium Bi-Pin (G13)	41126	F32T8SPX35ECOCVG	36	30,000	36,000	2,835	2,690	3500	85
	48	32	Medium Bi-Pin (G13)	41127	F32T8SPX41ECOCVG	36	30,000	36,000	2,835	2,690	4100	85
	48	32	Medium Bi-Pin (G13)	15971	F32T8SPX50ECOCVG	36	30,000	36,000	2,835	2,690	5000	82
XL Extra-Life												
4'	48	32	Medium Bi-Pin (G13)	27616	F32T8/XL/SP30/ECO	36	40,000	45,000	2,800	2,660	3000	78
	48	32	Medium Bi-Pin (G13)	27617	F32T8/XL/SP35/ECO	36	40,000	45,000	2,800	2,660	3500	78
	48	32	Medium Bi-Pin (G13)	27618	F32T8/XL/SP41/ECO	36	40,000	45,000	2,800	2,660	4100	78
	48	32	Medium Bi-Pin (G13)	68854	F32T8/XL/SPX30E2	36	40,000	45,000	2,925	2,770	3000	85
	48	32	Medium Bi-Pin (G13)	68855	F32T8/XL/SPX35E2	36	40,000	45,000	2,925	2,770	3500	85
	48	32	Medium Bi-Pin (G13)	68856	F32T8/XL/SPX41E2	36	40,000	45,000	2,925	2,770	4100	85
	48	32	Medium Bi-Pin (G13)	68857	F32T8/XL/SPX50E2	36	40,000	45,000	2,850	2,700	5000	82
	48	32	Medium Bi-Pin (G13)	68858	F32T8/XL/SPX65E2	36	40,000	45,000	2,750	2,610	6500	78
XL Extra-Life with covRguard®												
4'	48	32	Medium Bi-Pin (G13)	15972	F32T8XLSPX30ECOCVG	36	40,000	45,000	2,835	2,690	3000	85
	48	32	Medium Bi-Pin (G13)	15973	F32T8XLSPX35ECOCVG	36	40,000	45,000	2,835	2,690	3500	85
	48	32	Medium Bi-Pin (G13)	18369	F32T8XLSPX41ECOCVG	36	40,000	45,000	2,835	2,690	4100	85
	48	32	Medium Bi-Pin (G13)	23746	F32T8XLSPX50ECOCVG	36	40,000	45,000	2,750	2,650	5000	82
Super long life												
4'	48	32	Medium Bi-Pin (G13)	73094	F32T8/SXL/SPX35/ECO	36	55,000	60,000	2,850	2,675	3500	85
	48	32	Medium Bi-Pin (G13)	73095	F32T8/SXL/SPX41/ECO	36	55,000	60,000	2,850	2,675	4100	82
	48	32	Medium Bi-Pin (G13)	73096	F32T8/SXL/SPX50/ECO	36	55,000	60,000	2,800	2,630	5000	80
High lumen												
4'	48	32	Medium Bi-Pin (G13)	10327	F32T8/XL/SPX30/HL/ECO	36	40,000	45,000	3,100	2,915	3000	85
	48	32	Medium Bi-Pin (G13)	10326	F32T8/XL/SPX35/HL/ECO	36	40,000	45,000	3,100	2,915	3500	85
	48	32	Medium Bi-Pin (G13)	10322	F32T8/XL/SPX41/HL/ECO	36	40,000	45,000	3,100	2,915	4100	82
	48	32	Medium Bi-Pin (G13)	42556	F32T8/XL/SPX50/HL/ECO	36	40,000	45,000	3,000	2,820	5000	80
High lumen XL Extra-Life with covRguard®												
4'	48	32	Medium Bi-Pin (G13)	00267	F32T8XLSPX30HCVG	36	40,000	45,000	3,007	2,827	3000	85
	48	32	Medium Bi-Pin (G13)	00268	F32T8XLSPX35HCVG	36	40,000	45,000	3,007	2,827	3500	85
	48	32	Medium Bi-Pin (G13)	00269	F32T8XLSPX41HCVG	36	40,000	45,000	3,007	2,827	4100	82
	48	32	Medium Bi-Pin (G13)	80497	F32T8XLSPX50HCVG	36	40,000	45,000	2,910	2,735	5000	80

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

4' lamp applications continued

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
28W Watt-Miser®												
4'	48	28	Medium Bi-Pin (G13)	66471	F28T8/XL/SPP35/ECO	36	40,000	45,000	2,600	2,440	3500	80
	48	28	Medium Bi-Pin (G13)	66472	F28T8/XL/SPP41/ECO	36	40,000	45,000	2,600	2,440	4100	80
	48	28	Medium Bi-Pin (G13)	66473	F28T8/XL/SPP50/ECO	36	40,000	45,000	2,600	2,440	5000	80
	48	28	Medium Bi-Pin (G13)	72863	F28T8/XL/SPX30/ECO	36	45,000	50,000	2,675	2,515	3000	85
	48	28	Medium Bi-Pin (G13)	72864	F28T8/XL/SPX35/ECO	36	45,000	50,000	2,675	2,515	3500	85
	48	28	Medium Bi-Pin (G13)	72866	F28T8/XL/SPX41/ECO	36	45,000	50,000	2,675	2,515	4100	82
	48	28	Medium Bi-Pin (G13)	72867	F28T8/XL/SPX50/ECO	36	45,000	50,000	2,675	2,515	5000	80
	48	28	Medium Bi-Pin (G13)	66346	F28T8/XL/SPX65/ECO	36	45,000	50,000	2,600	2,440	6500	78
28W Watt-Miser® with covRguard®												
4'	48	28	Medium Bi-Pin (G13)	73292	F28T8/XLSPX30ECO/CVG	36	45,000	50,000	2,595	2,440	3000	85
	48	28	Medium Bi-Pin (G13)	73293	F28T8/XLSPX35ECO/CVG	36	45,000	50,000	2,595	2,440	3500	85
	48	28	Medium Bi-Pin (G13)	73294	F28T8/XLSPX41ECO/CVG	36	45,000	50,000	2,595	2,440	4100	82
	48	28	Medium Bi-Pin (G13)	73295	F28T8/XLSPX50ECO/CVG	36	45,000	50,000	2,595	2,440	5000	80
25W Watt-Miser®												
4'	48	25	Medium Bi-Pin (G13)	66467	F32T8/25W/SPP35/ECO	36	40,000	45,000	2,500	2,350	3500	80
	48	25	Medium Bi-Pin (G13)	66468	F32T8/25W/SPP41/ECO	36	40,000	45,000	2,500	2,350	4100	80
	48	25	Medium Bi-Pin (G13)	66469	F32T8/25W/SPP50/ECO	36	40,000	45,000	2,500	2,350	5000	80
	48	25	Medium Bi-Pin (G13)	72128	F32T8/25W/SPX30/ECO	36	50,000	55,000	2,500	2,350	3000	85
	48	25	Medium Bi-Pin (G13)	72129	F32T8/25W/SPX35/ECO	36	50,000	55,000	2,500	2,350	3500	85
	48	25	Medium Bi-Pin (G13)	72130	F32T8/25W/SPX41/ECO	36	50,000	55,000	2,500	2,350	4100	85
	48	25	Medium Bi-Pin (G13)	72131	F32T8/25W/SPX50/ECO	36	50,000	55,000	2,500	2,350	5000	80
25W Watt-Miser® with covRguard®												
4'	48	25	Medium Bi-Pin (G13)	72814	F32T8/25WSPX41ECOCVG	36	50,000	55,000	2,328	2,188	4100	82
	48	25	Medium Bi-Pin (G13)	72815	F32T8/25WSPX50ECOCVG	36	50,000	55,000	2,280	2,143	5000	80
High color rendering												
4'	48	32	Medium Bi-Pin (G13)	66343	F32T8/C50/ECO	36	30,000	36,000	1,700	1,600	5000	90
	48	32	Medium Bi-Pin (G13)	66344	F32T8/C75/ECO	36	30,000	36,000	1,700	1,600	7500	93

8' lamp applications

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
Standard												
8'	96	59	Single Pin (Fa8)	28105	F96T8/SP30/ECO	24	15,000	20,000	5,700	5,130	3000	75
	96	59	Single Pin (Fa8)	28106	F96T8/SP35/ECO	24	15,000	20,000	5,700	5,130	3500	75
	96	59	Single Pin (Fa8)	28125	F96T8/SP41/ECO	24	15,000	20,000	5,700	5,130	4100	75
XL Extra-Life												
8'	96	59	Single Pin (Fa8)	41889	F96T8/XL/SP30	24	24,000	30,000	5,800	5,500	3000	78
	96	59	Single Pin (Fa8)	41890	F96T8/XL/SP35	24	24,000	30,000	5,800	5,500	3500	78
	96	59	Single Pin (Fa8)	41891	F96T8/XL/SP41	24	24,000	30,000	5,800	5,500	4100	78
	96	59	Single Pin (Fa8)	67969	F96T8/XL/SPP35	24	24,000	30,000	5,800	5,220	3500	80
	96	59	Single Pin (Fa8)	67970	F96T8/XL/SPP41	24	24,000	30,000	5,800	5,220	4100	80
	96	59	Single Pin (Fa8)	67971	F96T8/XL/SPP50	24	24,000	30,000	5,800	5,220	5000	80
	96	59	Single Pin (Fa8)	68868	F96T8/XL/SPX30/2	24	24,000	30,000	5,950	5,650	3000	85
	96	59	Single Pin (Fa8)	68869	F96T8/XL/SPX35/2	24	24,000	30,000	5,950	5,650	3500	85
	96	59	Single Pin (Fa8)	68870	F96T8/XL/SPX41/2	24	24,000	30,000	5,950	5,650	4100	85
	96	59	Single Pin (Fa8)	68871	F96T8/XL/SPX50/2	24	24,000	30,000	5,950	5,650	5000	82
XL Extra-Life with covRguard®												
8'	96	59	Single Pin (Fa8)	40094	F96T8XL/SP30/CVG	24	24,000	30,000	5,620	5,380	3000	78
	96	59	Single Pin (Fa8)	40095	F96T8XL/SP35/CVG	24	24,000	30,000	5,620	5,380	3500	78
	96	59	Single Pin (Fa8)	40096	F96T8XL/SP41/CVG	24	24,000	30,000	5,620	5,380	4100	78
	96	59	Single Pin (Fa8)	40099	F96T8XL/SPX30CVG	24	24,000	30,000	5,770	5,480	3000	85
	96	59	Single Pin (Fa8)	40105	F96T8XL/SPX35/CVG	24	24,000	30,000	5,770	5,480	3500	85
	96	59	Single Pin (Fa8)	40106	F96T8XL/SPX41/CVG	24	24,000	30,000	5,770	5,480	4100	85
	96	59	Single Pin (Fa8)	48205	F96T8XL/SPX50/CVG	24	24,000	30,000	5,770	5,480	5000	82
54W Watt-Miser®												
8'	96	54	Single Pin (Fa8)	66891	F96T8/54W/SPP35	24	24,000	30,000	5,250	4,900	3500	80
	96	54	Single Pin (Fa8)	66892	F96T8/54W/SPP41	24	24,000	30,000	5,250	4,900	4100	80
	96	54	Single Pin (Fa8)	47072	F96T8/XL/SP30/WMP	24	24,000	30,000	5,800	5,450	3000	85
	96	54	Single Pin (Fa8)	47076	F96T8/XL/SP35/WMP	24	24,000	30,000	5,800	5,450	3500	85
	96	54	Single Pin (Fa8)	47103	F96T8/XL/SP41/WMP	24	24,000	30,000	5,800	5,450	4100	82
	96	54	Single Pin (Fa8)	66889	F96T8/XL/SP50/WMP	24	24,000	30,000	5,500	5,160	5000	80
	96	54	Single Pin (Fa8)	66890	F96T8/XL/SP65/WMP	24	24,000	30,000	5,400	5,020	6500	78

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
49W Watt-Miser®												
8'	96	49	Single Pin (Fa8)	66894	F96T8/49W/SPP35	24	24,000	30,000	4,800	4,500	3500	80
	96	49	Single Pin (Fa8)	66895	F96T8/49W/SPP41	24	24,000	30,000	4,800	4,500	4100	80
	96	49	Single Pin (Fa8)	79401	F96T8/49W/SPX30	24	24,000	30,000	5,000	4,700	3000	85
	96	49	Single Pin (Fa8)	79402	F96T8/49W/SPX35	24	24,000	30,000	5,000	4,700	3500	85
	96	49	Single Pin (Fa8)	79403	F96T8/49W/SPX41	24	24,000	30,000	5,000	4,700	4100	82
High Output												
8'	96	86	Recessed Double Contact (R17d)	12536	F96T8/SP30/HO	24	18,000		8,000	7,600	3000	78
	96	86	Recessed Double Contact (R17d)	12537	F96T8/SP35/HO	24	18,000		8,000	7,600	3500	78
	96	86	Recessed Double Contact (R17d)	12538	F96T8/SP41/HO	24	18,000		8,000	7,600	4100	78
	96	86	Recessed Double Contact (R17d)	12533	F96T8/SPX35/HO	24	18,000		8,200	7,800	3500	85
	96	86	Recessed Double Contact (R17d)	12534	F96T8/SPX41/HO	24	18,000		8,200	7,800	4100	85
	96	86	Recessed Double Contact (R17d)	12535	F96T8/SPX50/HO	24	18,000		8,200	7,800	5000	82
	96	86	Recessed Double Contact (R17d)	66897	F96T8/SPX65/HO	24	18,000		8,000	7,500	6500	78
High Output with covRguard®												
8'	96	86	Recessed Double Contact (R17d)	40107	F96T8/SP35HO/CVG	24	18,000		7,760	7,370	3500	78
	96	86	Recessed Double Contact (R17d)	40108	F96T8/SP41HO/CVG	24	18,000		7,760	7,370	4100	78
	96	86	Recessed Double Contact (R17d)	81563	F96T8/SPX50HO/CVG	24	18,000		7,954	7,566	5000	82

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

4' UltraMax® High Efficiency Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
72258	GE132MAX-L/ULTRA	1 F32T8 120 - 277V L .77 BF UltraMax®	120-277	1	F32T8	25	0.21/0.09	0.77	0.99/0.96	≤9%	<1.4%	-22˚F
				1	F28T8	22/20	0.20/0.08	0.77	0.93/0.94	≤11%	<1.4%	60˚F
				1	F32T8/25W	21	0.18/0.08	0.77	0.99/0.97	≤10%	<1.4%	60˚F
72259	GE132MAX-N/ULTRA	1 F32T8 120 - 277V N .87 BF UltraMax®	120-277	1	F32T8	28	0.23/0.10	0.87	0.99/0.96	≤6%	<1.4%	-22˚F
				1	F28T8	25	0.21/0.09	0.88	0.99/0.95	≤9%	<1.4%	60˚F
				1	F32T8/25W	23	0.19/0.09	0.88	0.99/0.97	≤10%	<1.4%	60˚F
63885	GE132MAX-H/ULTRA	1 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	1	F32T8	37	0.31/0.14	1.18	0.99/0.96	≤6%	<1.4%	-22˚F
				1	F28T8	33	0.29/0.13	1.17	0.99/0.97	≤9%	<1.4%	60˚F
				1	F32T8/25W	30	0.25/0.11	1.18	0.99/0.97	≤10%	<1.4%	60˚F
72262	GE232MAX-L/ULTRA	2 or 1 F32T8 120 - 277V L .77 BF UltraMax®	120-277	2	F32T8	49/48	0.42/0.18	0.77	0.99/0.98	≤8%	<1.4%	-22˚F
				2	F28T8	43	0.36/0.16	0.77	0.99/0.98	≤9%	<1.4%	60˚F
				2	F32T8/25W	38	0.32/0.14	0.77	0.99/0.98	≤10%	<1.4%	60˚F
74096	GE232MAX347-L	2 or 1 F32T8 347V L .77 BF UltraMax®	347	2	F32T8	48	0.14	0.77	0.99	≤5%	<1.4%	-22˚F
				2	F28T8	42	0.12	0.74	0.98	≤7%	<1.4%	60˚F
				2	F32T8/25W	37	0.11	0.74	0.98	≤7%	<1.4%	60˚F
72266	GE232MAX-N/ULTRA	2 or 1 F32T8 120 - 277V N .88 BF UltraMax®	120-277	2	F32T8	54/53	0.47/0.20	0.87	0.99	≤8%	<1.4%	-22˚F
				2	F28T8	49/48	0.41/0.18	0.87	0.99	≤8%	<1.4%	60˚F
				2	F32T8/25W	44/43	0.37/0.16	0.87	0.99/0.98	≤10%	<1.4%	60˚F
74093	GE232MAX347-N	2 or 1 F32T8 347V N .88 BF UltraMax®	347	2	F32T8	53	0.15	0.87	0.99	≤5%	<1.4%	-22˚F
				2	F28T8	46	0.14	0.84	0.99	≤6%	<1.4%	60˚F
				2	F32T8/25W	42	0.12	0.84	0.99	≤6%	<1.4%	60˚F
71421	GE232MAX-N+	2 or 1 F32T8 120 - 277V N+ 1.0 BF UltraMax®	120-277	2	F32T8	62/61	0.51/0.23	1.00	0.99/0.96	≤10%	<1.4%	0˚F
				2	F28T8	55/54	0.46/0.20	1.00	0.99/0.96	≤10%	<1.4%	50˚F
				2	F32T8/25W	46	0.38/0.17	1.01	0.99/0.98	≤10%	<1.4%	60˚F
73190	GE232MAX-H/ULTRA	2 or 1 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	2	F32T8	74/73	0.62/0.27	1.18	0.99/0.97	≤10%	<1.4%	-22˚F
				2	F28T8	64/63	0.52/0.24	1.18	0.99/0.97	≤10%	<1.4%	60˚F
				2	F32T8/25W	60	0.51/0.22	1.18	0.99/0.98	≤10%	<1.4%	60˚F
74109	GE232MAX347-H	2 or 1 F32T8 347V H 1.18 BF UltraMax®	347	2	F32T8	70	0.20	1.18	0.99	≤4%	<1.4%	-22˚F
				2	F28T8	63	0.12	1.15	0.95	≤17%	<1.4%	60˚F
				2	F32T8/25W	56	0.16	1.12	0.99	≤5%	<1.4%	60˚F
62718	GE232MAX480-H	2 or 1 F32T8 480V H 1.18 BF UltraMax®	480	2	F32T8	73	0.16	1.18	0.95	≤10%	<1.4%	-22˚F
				2	F28T8	64	0.14	1.13	0.92	≤10%	<1.4%	50˚F
				2	F32T8/25W	59	0.13	1.11	0.92	≤10%	<1.4%	50˚F
78621	GE332MAX-L/ULTRA	3 or 2 F32T8 120 - 277V L .77 BF UltraMax®	120-277	3	F32T8	72/71	0.60/0.26	0.77	0.99/0.97	≤10%	<1.4%	-22˚F
				3	F28T8	64/63	0.54/0.24	0.77	0.99/0.97	≤10%	<1.4%	50˚F
				3	F32T8/25W	58/57	0.49/0.21	0.77	0.99/0.98	≤10%	<1.4%	50˚F
74097	GE332MAX347-L	2 or 1 F32T8 347V L .77 BF UltraMax®	347	3	F32T8	71	0.21	0.77	0.99	≤4%	<1.4%	-22˚F
				3	F28T8	63	0.18	0.74	0.99	≤5%	<1.4%	60˚F
				3	F32T8/25W	55	0.16	0.73	0.99	≤5%	<1.4%	60˚F
78623	GE332MAX-N/ULTRA	3 or 2 F32T8 120 - 277V N .87 BF UltraMax®	120-277	3	F32T8	82/80	0.69/0.30	0.87	0.99/0.98	≤10%	<1.4%	-22˚F
				3	F28T8	71/70	0.61/0.28	0.87	0.99/0.98	≤10%	<1.4%	50˚F
				3	F32T8/25W	65/64	0.55/0.24	0.87	0.99/0.97	≤10%	<1.4%	50˚F
74094	GE332MAX347-N	2 or 1 F32T8 347V N .87 BF UltraMax®	347	3	F32T8	79	0.23	0.87	0.99	≤5%	<1.4%	-22˚F
				3	F28T8	70	0.20	0.84	0.99	≤4%	<1.4%	60˚F
				3	F32T8/25W	63	0.18	0.84	0.99	≤4%	<1.4%	60˚F
71422	GE332MAX-N+	3 or 2 F32T8 120 - 277V N 1.0 BF UltraMax®	120-277	3	F32T8	91/90	0.77/0.33	1.00	0.99/0.98	≤15%	<1.4%	0˚F
				3	F28T8	83/82	0.69/0.30	1.00	0.99/0.98	≤15%	<1.4%	50˚F
				3	F32T8/25W	76/75	0.64/0.28	1.00	0.99/0.98	≤15%	<1.4%	60˚F
78619	GE332MAX-H/ULTRA	3 or 2 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	3	F32T8	106/104	0.89/0.38	1.18	0.99/0.98	≤10%	<1.4%	-22˚F
				3	F28T8	95/94	0.80/0.35	1.18	0.99/0.98	≤10%	<1.4%	50˚F
				3	F32T8/25W	90/88	0.76/0.32	1.18	0.99/0.98	≤10%	<1.4%	50˚F
74111	GE332MAX347-H	3 or 2 F32T8 347V H 1.18 BF UltraMax®	347	3	F32T8	105	0.30	1.18	0.99	≤5%	<1.4%	-22˚F
				3	F28T8	93	0.27	1.13	0.99	≤6%	<1.4%	60˚F
				3	F32T8/25W	85	0.25	1.13	0.99	≤6%	<1.4%	60˚F
62719	GE332MAX480-H	3 or 2 F32T8 480V H 1.18 BF UltraMax®	480	3	F32T8	108	0.23	1.18	0.95	≤10%	<1.4%	-22˚F
				3	F28T8	94	0.20	1.13	0.95	≤10%	<1.4%	50˚F
				3	F32T8/25W	87	0.19	1.11	0.95	≤10%	<1.4%	50˚F

4' UltraMax® High Efficiency Instant Start ballasts continued

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
78625	GE432MAX-L/ULTRA	4 or 3 F32T8 120 - 277V L .77 BF UltraMax®	120-277	4	F32T8	97/95	0.82/0.35	0.79/0.81	0.99/0.98	≤10%	<1.4%	-22˚F
				4	F28T8	86/84	0.72/0.31	0.77	0.99/0.98	≤10%	<1.4%	50˚F
				4	F32T8/25W	77/75	0.65/0.28	0.77	0.99/0.98	≤10%	<1.4%	50˚F
74098	GE432MAX347-L	4 or 3 F32T8 347V L .77 BF UltraMax®	347	4	F32T8	96	0.28	0.77	0.99	≤6%	<1.4%	-22˚F
				4	F28T8	84	0.24	0.74	0.99	≤7%	<1.4%	60˚F
				4	F32T8/25W	74	0.22	0.74	0.99	≤7%	<1.4%	60˚F
78623	GE432MAX-N/ULTRA	4 or 3 F32T8 120 - 277V N .87 BF UltraMax®	120-277	4	F32T8	108/106	0.90/0.39	0.87	0.99/0.98	≤10%	<1.4%	-22˚F
				4	F28T8	94/92	0.79/0.34	0.87	0.99/0.98	≤10%	<1.4%	50˚F
				4	F32T8/25W	87/88	0.73/0.32	0.87	0.99/0.98	≤10%	<1.4%	50˚F
74095	GE432MAX347-N	4 or 3 F32T8 347V N .87 BF UltraMax®	347	3	F32T8	106	0.30	0.88	0.99	≤5%	<1.4%	-22˚F
				3	F28T8	97	0.27	0.84	0.99	≤5%	<1.4%	-22˚F
				3	F32T8/25W	84	0.24	0.84	0.99	≤5%	<1.4%	-22˚F
71423	GE432MAX-N+	4 or 3 F32T8 120 - 277V N+ 1.0 BF UltraMax®	120-277	4	F32T8	124/123	1.03/0.45	1.00	0.99/0.98	≤15%	<1.4%	0˚F
				4	F28T8	114/112	0.95/0.36	1.00	0.99/0.97	≤18%	<1.4%	50˚F
				4	F32T8/25W	101/100	0.85/0.37	1.00	0.99/0.98	≤15%	<1.4%	60˚F
78619	GE432MAX-H/ULTRA	4 or 3 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	4	F32T8	148/145	1.30/0.55	1.18	0.99/0.98	≤10%	<1.4%	-22˚F
				4	F28T8	127/125	1.10/0.48	1.18	0.99/0.98	≤10%	<1.4%	50˚F
				4	F32T8/25W	120/116	1.00/0.43	1.18	0.99/0.98	≤10%	<1.4%	50˚F
74113	GE432MAX347-H	4 or 3 F32T8 347V H 1.18 BF UltraMax®	347	4	F32T8	137	0.39	1.18	0.99	≤7%	<1.4%	-22˚F
				4	F28T8	126	0.36	1.13	0.99	≤7%	<1.4%	60˚F
				4	F32T8/25W	113	0.33	1.12	0.99	≤7%	<1.4%	60˚F
62720	GE432MAX480-H	4 or 3 F32T8 480V H 1.18 BF UltraMax®	480	4	F32T8	144	0.31	1.18	0.95	≤10%	<1.4%	-22˚F
				4	F28T8	125	0.27	1.13	0.95	≤10%	<1.4%	50˚F
				4	F32T8/25W	115	0.26	1.11	0.95	≤10%	<1.4%	50˚F

4' Proline® Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
74101	GE132-N-347	1 F32T8 347V N .87 BF Proline®	347	1	F32T8	30	0.09	0.87	0.97	≤4%	<1.7%	-22˚F
				1	F28T8	26	0.08	0.84	0.96	≤6%	<1.7%	60˚F
				1	F32T8/25W	24	0.07	0.84	0.96	≤6%	<1.7%	60˚F
72273	GE232-ML-L	2 or 1 F32T8 120 - 277V L .77 BF Proline®	120-277	2	F32T8	49/48	0.42/0.18	0.79/0.77	0.99/0.98	≤8%	<1.7%	-22˚F
				2	F28T8	43	0.36/0.16	0.77	0.99/0.98	≤9%	<1.7%	60˚F
				2	F32T8/25W	38	0.32/0.14	0.77	0.99/0.98	≤10%	<1.7%	60˚F
72275	GE233-MV-N	2 or 1 F32T8 120 - 277V N .87 BF Proline®	120-277	2	F32T8	57/55	0.48/0.20	0.91/0.89	0.99/0.98	≤9%	<1.7%	0˚F
				2	F28T8	47	0.39/0.17	0.83	0.99/0.97	≤8%	<1.7%	60˚F
				2	F32T8/25W	43	0.36/0.16	0.86	0.99/0.97	≤10%	<1.7%	60˚F
74103	GE232-N-347	2 or 1 F32T8 347V N .87 BF Proline®	347	2	F32T8	55	0.16	0.87	0.99	≤5%	<1.7%	-22˚F
				2	F28T8	48	0.14	0.84	0.99	≤5%	<1.7%	60˚F
				2	F32T8/25W	44	0.13	0.84	0.99	≤5%	<1.7%	60˚F
74803	GE232MV-H	2 or 1 F32T8 120 - 277V N 1.18 BF Proline®	120-277	2	F32T8	75/74	0.63/0.27	1.18	0.99/0.98	≤6%	<1.7%	-18˚F
				2	F28T8	65/64	0.54/0.24	1.15/1.13	0.99/0.98	≤6%	<1.7%	60˚F
				2	F32T8/25W	61/60	0.51/0.22	1.21/1.19	0.99/0.97	≤7%	<1.7%	60˚F
74459	GE332MV-L	3 or 2 F32T8 120 - 277V L .77 BF Proline®	120-277	3	F32T8	74/73	0.70/0.31	0.78	0.99/0.98	≤10%	<1.7%	0˚F
				3	F28T8	63	0.57/0.25	0.75	0.99/0.98	≤10%	<1.7%	60˚F
				3	F32T8/25W	59	0.50/0.22	0.74	0.99/0.98	≤15%	<1.7%	60˚F
74456	GE332MV-N	3 or 2 F32T8 120 - 277V N .87 BF Proline®	120-277	3	F32T8	81/80	0.71/0.32	0.87	0.99/0.98	≤10%	<1.7%	0˚F
				3	F28T8	67/68	0.60/0.28	0.82	0.99/0.98	≤10%	<1.7%	60˚F
				3	F32T8/25W	66/65	0.56/0.24	0.80	0.99/0.98	≤13%	<1.7%	60˚F
74105	GE332-N-347	3 or 2 F32T8 347V N .87 BF Proline®	347	3	F32T8	82	0.23	0.87	0.99	≤5%	<1.7%	-22˚F
				3	F28T8	73	0.20	0.83	0.99	≤5%	<1.7%	60˚F
				3	F32T8/25W	66	0.19	0.83	0.99	≤4%	<1.7%	60˚F
74461	GE332MV-H	3 or 2 F32T8 120 - 277V H 1.18 BF Proline®	120-277	3	F32T8	108/105	0.90/0.39	1.15	0.99	≤6%	<1.7%	0˚F
				3	F28T8	94/92	0.79/0.34	1.12	0.99/0.98	≤6%	<1.7%	60˚F
				3	F32T8/25W	89/88	0.75/0.32	1.12	0.99/0.98	≤6%	<1.7%	60˚F
74466	GE432MV-L	4 or 3 F32T8 120 - 277V L .77 BF Proline®	120-277	4	F32T8	100/98	0.95/0.41	0.80/0.82	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	86/85	0.77/0.33	0.76/0.75	0.99/0.97	≤10%	<1.7%	60˚F
				4	F32T8/25W	77	0.65/0.28	0.75	0.99/0.98	≤15%	<1.7%	60˚F

4' Proline® Instant Start ballasts continued

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
74463	GE432MV-N	4 or 3 F32T8 120 - 277V N .87 BF Proline®	120-277	4	F32T8	113/110	0.99/0.43	0.88	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	93/92	0.83/0.26	0.88/0.89	0.99/0.98	≤10%	<1.7%	60˚F
				4	F32T8/25W	88/87	0.74/0.32	0.80	0.99/0.98	≤15%	<1.7%	60˚F
74107	GE432-N-347	4 or 3 F32T8 347V N .87 BF Proline®	347	4	F32T8	109	0.30	0.88	0.99	≤5%	<1.7%	0˚F
				4	F28T8	96	0.27	0.88	0.99	≤5%	<1.7%	60˚F
				4	F32T8/25W	87	0.25	0.84	0.99	≤5%	<1.7%	60˚F
78629	GE432MV-H	4 or 3 F32T8 120 - 277V H 1.18 BF Proline®	120-277	4	F32T8	146/143	1.23/0.53	1.18	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	123/121	1.03/0.43	1.10/1.11	0.99/0.98	≤10%	<1.7%	60˚F
				4	F32T8/25W	123/121	1.03/0.43	1.11	0.99/0.98	≤10%	<1.7%	60˚F

8' UltraMax® High Efficiency Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
73199	GE259MAX-L/ULTRA	2 or 1 F96T8 120 - 277V L .77 UltraMax®	120-277	2	F96T8	95/94	0.81/0.35	0.77	0.99	≤10%	<1.7%	0˚F
				2	F96T8WM	93/91	0.79/0.34	0.77	0.99	≤10%	<1.7%	60˚F
				2	F96T8WMP	89/87	0.74/0.32	0.74	0.99/0.98	≤10%	<1.7%	60˚F
49767	GE259MAX-N/ULTRA	2 or 1 F96T8 120 - 277V N .87 UltraMax®	120-277	2	F96T8	108/101	0.91/0.40	0.87	0.99	≤10%	<1.7%	0˚F
				2	F96T8WM	104/101	0.87/0.38	0.87	0.99	≤10%	<1.7%	60˚F
				2	F96T8WMP	98/96	0.78/0.32	0.89	0.99	≤10%	<1.7%	60˚F
63888	GE286MAX-HO-N	2 or 1 F96T8HO 120 - 277V H 1.18 UltraMax®	120-277	2	F96T8	142/140	1.24/0.52	1.15	0.99	≤10%	<1.7%	-22˚F
				2	F96T8WM	135/133	1.18/0.50	1.15	0.99/0.98	≤10%	<1.7%	-22˚F
				2	F96T8WMP	124/122	1.10/0.46	1.37	0.99	≤10%	<1.7%	-22˚F
				2	F96T849W	111/110	0.95/0.41	1.37	0.99	≤10%	<1.7%	-22˚F
				2	F96T8HO	145/142	1.25/0.54	0.85	0.99	≤10%	<1.7%	-22˚F

8' Proline® Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
30195	GE-159-MV-N	1 F96T8 120 - 277V N .87 BF Proline®	120-277	1	F96T8	60/59	0.51/0.22	0.89	0.99	≤10%	<1.7%	0˚F
				1	F96T8WM	55/54	0.55/0.21	0.85	0.99	≤10%	<1.7%	60˚F
				1	F96T8WMP	51	0.43/0.19		0.99	≤10%	<1.7%	60˚F
74469	GE259MV-N	1 F96T8 120 - 277V N .87 BF Proline®	120-277	2	F96T8	107/105	0.90/0.38	0.88	0.99	≤7%	<1.7%	0˚F
				2	F96T8WM	105/103	0.88/0.38	0.88	0.99	≤7%	<1.7%	0˚F
				2	F96T8WMP	98/96	0.82/0.35	1.04	0.99	≤7%	<1.7%	0˚F

UltraStart® Programmed Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
75952	GE132-MVPS-L	1 F32T8 120 - 277V L .71 BF UltraStart®	120-277	1	F32T8	25	0.22/0.10	0.71	0.99/0.96	≤10%	<1.7%	0˚F
				1	F28T8	22	0.19/0.09	0.71	0.99/0.94	≤10%	<1.7%	50˚F
				1	F32T8/25W	20/21	0.18/0.08	0.71	0.99/0.94	≤10%	<1.7%	50˚F
75953	GE132-MVPS-N	1 F32T8 120 - 277V N .88 BF UltraStart®	120-277	1	F32T8	30	0.26/0.12	0.89	0.99/0.95	≤10%	<1.7%	0˚F
				1	F28T8	26	0.22/0.10	0.87	0.99/0.93	≤10%	<1.7%	50˚F
				1	F32T8/25W	24	0.21/0.10	0.86	0.99/0.93	≤10%	<1.7%	50˚F
75954	GE132-MVPS-H	1 F32T8 120 - 277V H 1.18 BF UltraStart®	120-277	1	F32T8	39	0.35/0.15	1.18	0.98/0.97	≤10%	<1.7%	0˚F
				1	F28T8	33	0.29/0.13	1.16	0.99/0.96	≤10%	<1.7%	50˚F
				1	F32T8/25W	31	0.27/0.12	1.15	0.99/0.95	≤10%	<1.7%	50˚F
29671	GE232-MVPS-XL	1 F32T8 120 - 277V XL .60 BF UltraStart®	120-277	1	F32T8	45/44	0.39/0.19	0.60	0.98/0.90	≤10%	<1.7%	0˚F
				1	F28T8	39	0.33/0.16	0.59	0.99/0.86	≤10%	<1.7%	60˚F
				1	F32T8/25W	36	0.30/0.13	0.59	0.98	≤10%	<1.7%	60˚F
96720	GE232-MVPS-L	2 or 1 F32T8 120 - 277V L .71 BF UltraStart®	120-277	2	F32T8	47	0.40/0.18	0.71	0.99/0.95	≤10%	<1.7%	0˚F
				2	F28T8	41	0.34/0.15	0.71	0.99/0.94	≤10%	<1.7%	60˚F
				2	F32T8/25W	37/36	0.31/0.13	0.65	0.98	≤10%	<1.7%	60˚F

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
62721	GE232PS347-L	2 or 1 F32T8 347V L .77 BF UltraStart®	347	2	F32T8	29	0.09	0.71	0.95	≤12%	<1.7%	0˚F
				2	F28T8	25	0.08	0.71	0.95	≤12%	<1.7%	60˚F
				2	F32T8/25W	24	0.07	0.71	0.95	≤12%	<1.7%	60˚F
96714	GE232-MVPS-N	2 or 1 F32T8 120 - 277V N .88 BF UltraStart®	120-277	2	F32T8	59/58	0.49/0.21	0.89	0.99/0.96	≤10%	<1.7%	0˚F
				2	F28T8	51/50	0.42/0.19	0.88	0.99/0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	45/44	0.38/0.16	0.86	0.98	≤10%	<1.7%	60˚F
62723	GE232PS347-N	2 or 1 F32T8 347V N .88 BF UltraStart®	347	2	F32T8	57	0.17	0.88	0.95	≤10%	<1.7%	0˚F
				2	F28T8	50	0.15	0.88	0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	46	0.14	0.88	0.95	≤10%	<1.7%	60˚F
29675	GE-232-MVPS-H	2 F32T8 120 - 277V H 1.15 BF UltraStart®	120-277	2	F32T8	75/74	0.64/0.29	1.15	0.98/0.94	≤10%	<1.7%	0˚F
				2	F28T8	68/69	0.54/0.25	1.23	0.94/0.98	≤10%	<1.7%	50˚F
				2	F32T8/25W	58/57	0.49/0.21	1.10	0.98	≤10%	<1.7%	50˚F
62726	GE232PS347-H	2 or 1 F32T8 347V H 1.18 BF UltraStart®	347	2	F32T8	74	0.22	1.18	0.95	≤10%	<1.7%	0˚F
				2	F28T8	62	0.19	1.13	0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	58	0.17	1.09	0.95	≤10%	<1.7%	60˚F
29672	GE332-MVPS-XL	3 F32T8 120 - 277V XL .60 BF UltraStart®	120-277	3	F32T8	67/66	0.58/0.26	0.60	0.98/0.93	≤10%	<1.7%	0˚F
				3	F28T8	57/56	0.49/0.22	0.58	0.99/0.94	≤10%	<1.7%	60˚F
				3	F32T8/25W	53/52	0.45/0.19	0.58	0.98	≤10%	<1.7%	60˚F
96721	GE332-MVPS-L	3 F32T8 120 - 277V L .71 BF UltraStart®	120-277	3	F32T8	69/68	0.61/0.27	0.71	0.99/0.96	≤10%	<1.7%	0˚F
				3	F28T8	58	0.49/0.22	0.69	0.99/0.95	≤10%	<1.7%	60˚F
				3	F32T8/25W	57/56	0.48/0.21	0.66	0.98	≤10%	<1.7%	60˚F
63041	GE332PS347-L	3 or 2 F32T8 347V L .71 BF UltraStart®	347	2	F32T8	70	0.21	0.71	0.95	≤10%	<1.7%	0˚F
				2	F28T8	60	0.18	0.71	0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	56	0.17	0.71	0.95	≤10%	<1.7%	60˚F
96715	GE332-MVPS-N	3 F32T8 120 - 277V N .88 BF UltraStart®	120-277	3	F32T8	86/84	0.72/0.31	0.89	0.99/0.97	≤10%	<1.7%	0˚F
				3	F28T8	73/72	0.61/0.27	0.84	0.990/.97	≤10%	<1.7%	60˚F
				3	F32T8/25W	67/66	0.56/0.24	0.84	0.98	≤10%	<1.7%	60˚F
62724	GE332PS347-N	3 or 2 F32T8 347V N .88 BF UltraStart®	347	3	F32T8	83	0.25	0.88	0.95	≤10%	<1.7%	0˚F
				3	F28T8	70	0.21	0.88	0.95	≤10%	<1.7%	60˚F
				3	F32T8/25W	65	0.19	0.88	0.95	≤10%	<1.7%	60˚F
29676	GE-332-MVPS-H	3 F32T8 120 - 277V H 1.15 BF UltraStart®	120-277	3	F32T8	110/108	0.95/0.41	1.15	0.98/0.96	≤10%	<1.7%	0˚F
				3	F28T8	92/91	0.79/0.35	1.09/1.10	0.99/0.96	≤10%	<1.7%	50˚F
				3	F32T8/25W	87/86	0.74/0.32	1.09	0.98	≤10%	<1.7%	50˚F
62727	GE332PS347-H	3 or 2 F32T8 347V N .88 BF UltraStart®	347	3	F32T8	110	0.33	1.18	0.95	≤10%	<1.7%	0˚F
				3	F28T8	94	0.28	1.13	0.95	≤10%	<1.7%	60˚F
				3	F32T8/25W	83	0.25	1.10	0.95	≤10%	<1.7%	60˚F
71832	GE432-MVPS-L	4 F32T8 120 - 277V Low Watt .71 BF UltraStart®	120-277	4	F32T8	90/88	0.77/0.32	0.71	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	77/76	0.64/0.28	0.68	0.99/0.97	≤10%	<1.7%	60˚F
				4	F32T8/25W	74/73	0.63/0.27	0.67	0.98	≤10%	<1.7%	60˚F
62722	GE432PS347-L	4 or 3 F32T8 347V L .71 BF UltraStart®	347	4	F32T8	88	0.27	0.71	0.95	≤10%	<1.7%	0˚F
				4	F28T8	76	0.23	0.71	0.95	≤10%	<1.7%	60˚F
				4	F32T8/25W	69	0.21	0.71	0.95	≤10%	<1.7%	60˚F
96716	GE432-MVPS-N	4 F32T8 120 - 277V N .88 BF UltraStart®	120-277	4	F32T8	114/112	0.97/0.41	0.89	0.99/0.97	≤10%	<1.7%	0˚F
				4	F28T8	96/95	0.82/0.35	0.83	0.99/0.97	≤10%	<1.7%	60˚F
				4	F32T8/25W	87/85	0.74/0.31	0.83	0.98	≤10%	<1.7%	60˚F
62725	GE432PS347-N	4 or 3 F32T8 347V N .88 BF UltraStart®	347	4	F32T8	109	0.33	0.88	0.95	≤10%	<1.7%	0˚F
				4	F28T8	91	0.27	0.88	0.95	≤10%	<1.7%	60˚F
				4	F32T8/25W	80	0.24	0.88	0.95	≤10%	<1.7%	60˚F
74476	GE432-MVPS-H	4 F32T8 120 - 277V H 1.18 BF UltraStart®	120-277	4	F32T8	147/144	1.27/0.55	1.16	0.99	≤10%	<1.7%	0˚F
				4	F28T8	125/123	1.08/0.47	1.12	0.99	≤10%	<1.7%	50˚F
				4	F32T8/25W	112/111	0.94/0.40	1.12	0.99	≤10%	<1.7%	50˚F

assurance

Whether you're using our linear fluorescent systems, using our ballasts as a component, selling them across your counter, installing them at your job site or enjoying their energy-saving performance and value, GE supports you by efficiently addressing warranty issues that may arise.

You will have the assurance of:

- A simple, clear limited warranty
- Toll-free dedicated technical support at 1-800-GELAMPS (435-2677) or 1-888-GEBALLAST (432-255-278)
- Claim-tracking status

GE lamp and ballast systems limited warranty summary

For full details and specific lamp cycle requirements, see the GE Lighting limited warranty, applicable to your system, lamp or ballast type.

	Lamp warranty on GE ballasts		
Linear fluorescent lamp	When operated on GE programmed Rapid Start ballasts	When operated on GE Instant Start ballasts	Electronic ballast warranty
F17T8/XL; F25T8/XL; F32T8 (SP, SPP & SPX)	3 years	2.5 years	5 years
F17T8/XL/WM; F25T8/XL/WM	3 years	3 years	5 years
F32T8/XL (SP & SPX); F28T8/XL/SPP; F32T8/25W/SPP	4 years	3 years	5 years
F32T8/XL/HL	4 years	4 years	5 years
F32T8/SXL; F28T8/XL; F32T8/25W	5 years	4 years	5 years
F96T8; F96T8/HO	–	2 years	5 years
F96T8/XL (SP; SPP & SPX); F96T8/54W/SPP; F96T8/XL/WMP; F96T8/49W (SPP & SPX)	–	3 years	5 years
F28WT8/HL	3 years	–	5 years
F14T8/WM; F21T8/WM; F28T8/WM; F35T8/WM	3.5 years	–	5 years
F14T8HE; F21T8HE; F28T8HE; F35T8HE; F24T8HO; F54T8/WM; F54T8/47W; F39T8HO; F80T8HO	4 years	–	5 years
F54T8/XL	5 years	–	5 years

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

For complete warranty information, visit GELighting.com/Warranty

Experience efficiency and energy savings the moment you turn on GE T8 linear fluorescent systems.

When the right lighting illuminates your space, you notice the difference – in productivity and in your energy bill. That's why GE offers energy-efficient T8 linear fluorescent systems that are long-lasting and smart for your budget. Not only is workflow interrupted less frequently by maintenance, but you experience the benefits of efficient, environmentally-sound lighting.

Our T8 linear fluorescent systems can change the way you light your space.
To find out more and schedule your free lighting audit, visit www.gelighting.com/LFL.

ecomagination℠

imagination at work

GE
Lighting

energize

GE energy-efficient T8 linear fluorescent systems

imagination at work

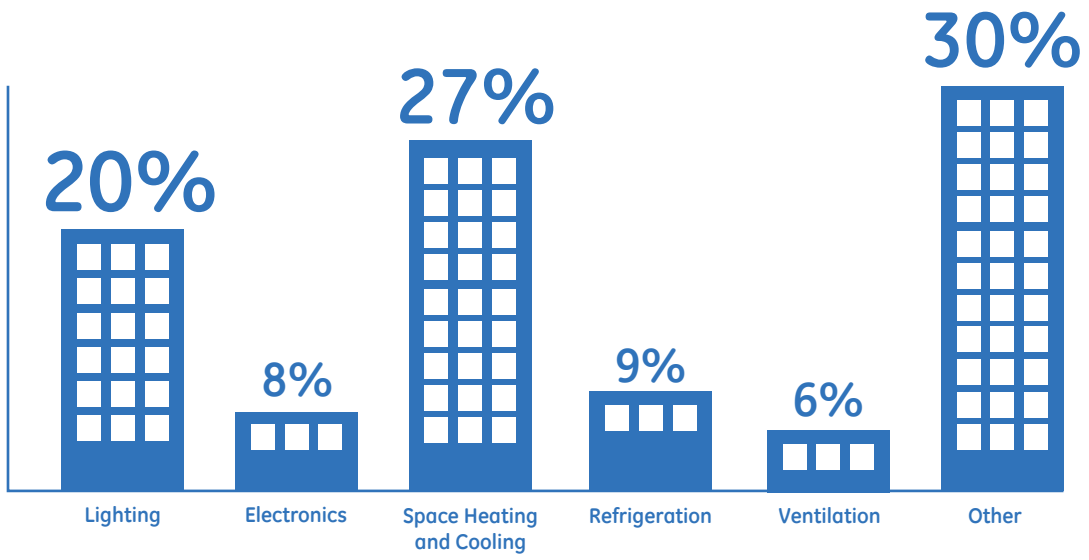
expertise

a bright way to improve efficiency

Your business is valuable. And when workflow is interrupted by maintenance work on energy-draining lamps, productivity and profits suffer. GE linear fluorescent systems offer the ideal solution — energy-efficiency and long life combine to create a system that lowers the cost of your energy bill, and the cost of maintenance.

how lighting affects electricity usage

Lighting makes up 20% of a building's electricity use.



Source: U.S. Department of Energy

leading the industry

GE has been lighting businesses for 100 years. The challenges are constantly evolving, but our products and our people continue to rise to the occasion. Our team offers expertise on everything from auditing to product selection, ensuring that you are always confident in your lighting decision.

In addition, GE delivers innovation coupled with the latest education, including lighting legislation and environmental regulations. As part of our ecomagination℠ initiatives, GE offers expansive online resources and tools to help businesses navigate the ever-changing market landscape.

At gelighting.com, you can find:

- Environmental data, regulations and certifications
- Legislation Product Replacement Tool
- Fluorescent Solutions Calculator

compliant

a smart choice

GE T8 linear fluorescent lamps are a healthy choice for your budget. With system solutions that meet the Toxicity Characteristic Leaching Procedure (TCLP), we have the right selection of linear fluorescent systems for the needs of virtually any facility.

- Replace older technology to provide energy savings and lower maintenance costs.
- Re-lamp existing fixtures with energy-saving or long-life lamp options.
- Receive warranty support when using a GE UltraStart® or UltraMax® lamp and ballast system.

did you know?

The total electrical energy used in the U.S. for lighting is equivalent to the output of about 100 large power plants. The cost is around $55 billion per year.

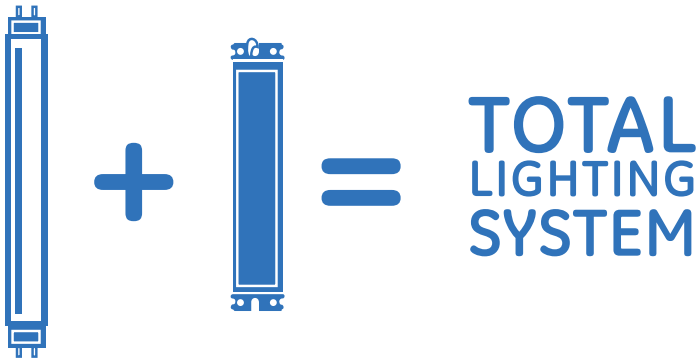
Source: Lighting Research Center website

conformance directive

The Restriction of Hazardous Substances (RoHS) is a European Union directive that restricts six hazardous materials in consumer products:

- Lead
- Mercury
- Cadmium
- Hexavalent chromium
- PBB flame retardants
- PBDE flame retardants

GE T8 lamp and ballast options offer full system solutions that meet these material restriction requirements of RoHS relating to those substances.

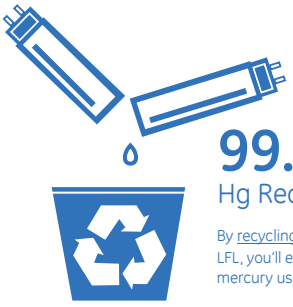


reduce, recover, recycle

All fluorescent lamps require a very small amount of mercury to enable the lamp to operate with optimal energy efficiency and long life.

When you recycle fluorescent lamps, it allows us to recover and reuse that mercury, reducing environmental impact.

That's why GE works with recyclers who offer services for homeowners, retailers and distributors.



99.9%
Hg Recovered

By recycling a mercury-containing LFL, you'll ensure that 99.98% of the mercury used in the lamp is recovered.

Source: Based on information from ENERGY STAR® (2007) and Cain et. al. (2007).

elevate

comprehensive solutions

Whether you strive to exceed the expectations of guests, create healthier outcomes for patients, or transform an office space, GE can help you find the right T8 solution to meet your enterprise goals. We offer systems uniquely suited to efficiency and durability, with options available in a range of shapes and sizes.

T8 application guide

	<4' applications 2', 3' linear and 1 5/8", 6" Mod-U-Line®	4' applications	8' applications
Industry	Office, retail, healthcare, hospitality	Office, retail, healthcare, hospitality, industrial/warehouse	
Re-lamp	Replace standard T8 lamps with energy-saving and/or long-life options		
Retrofit	Replace legacy technology with GE UltraStart® or UltraMax® T8 systems to maximize energy savings and life		
Major renovation/ new construction	Optimize application space with GE's highest performing GE UltraStart® or UltraMax® T8 systems to use fewer lamps, minimize energy consumption, and extend re-lamp cycles		

innovative quality

GE T8 lamps utilize the latest fluorescent technology combined with versatile design.

- Watt-Miser® lamps: GE's best fluorescent technology is at the heart of our most energy-efficient lamp, delivering the same or similar lumen output as standard fluorescent lamps with less energy used.
- covRguard® lamps: A shatter-resistant coating offers strong protection with minimum light loss. These lamps block most ultraviolet light emissions, and meet FDA, NSF and OSHA standards.

All GE T8 lamps include:

- Starcoat® technology: A proprietary coating technology that eliminates the need for traditional, lower quality halophosphor coating by reflecting the UV-light more effectively.
- Ecolux® technology: Lamps are low in mercury, TCLP-compliant and feature outstanding performance and reliability.

personalize

T8 product overview

<4’ applications

Length	Standard	Extra-Life	Watt-Miser®	covRguard®
2'	17W	17W	15W	17W
3'	25W	25W	22W	—
6” Mod-U-Line®	32W	—	28W	—
1 5/8” Mod-U-Line®	31W	—	29W, 26W	—

4’ applications

Length	Standard	Extra-Life	Watt-Miser®	covRguard®
4'	32W	32W XL	28W, 25W	32W, 32W XL, 28W, 25W
4'	—	32W SXL	—	—
4'	—	32W high lumen	—	32W high lumen

8’ applications

Length	Standard	Extra-Life	Watt-Miser®	covRguard®
8'	—	59W	54W, 49W	59W
8'	86W	—	—	86W

did you know?

In 1938, GE invented the first practical low-pressure discharge lamp, now referred to as the fluorescent lamp.

the UltraMax® and UltraStart® family

This feature-rich generation of programmed start electronic ballasts from GE offers unique benefits and features.

UltraMax®

Intended for long burn cycle applications, and offers a lower cost option when switched less than five times per day. These ballasts can virtually “read” voltage, and exceed 90 percent efficiency.

UltraStart®

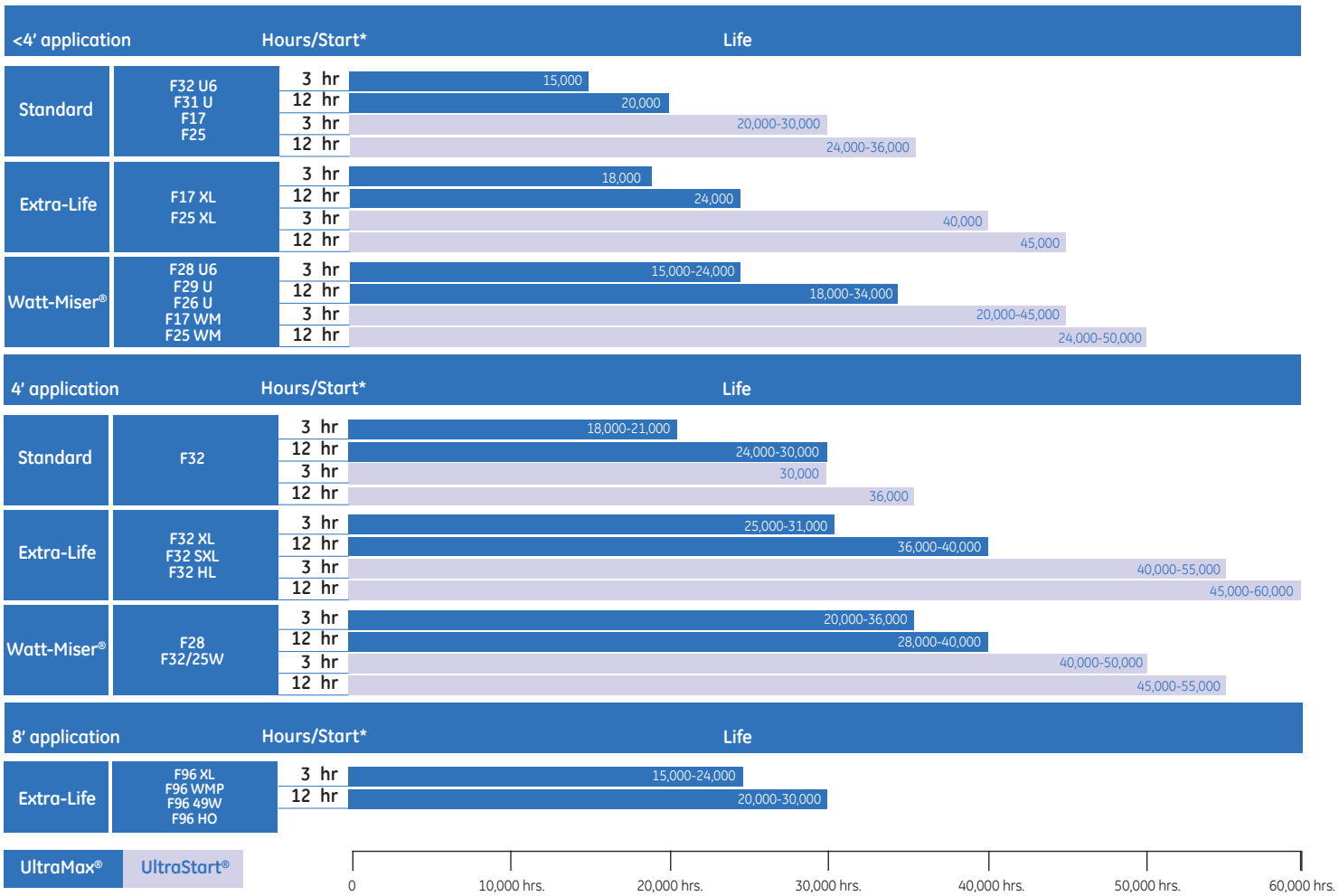
Delivers longer life in frequently switched applications, such as those used with sensors. An UltraStart® ballast is ideal for extending lamp life, and provides over 100,000 starts before 50 percent lamp failure.

excel

ballast benefits and features

	Benefits	Features	UltraMax®	UltraStart®
Energy savings	• Ballast consumes <10% of the total system power	High Efficiency (>90%)	✓	✓
	• Increases energy savings by cutting power to cathodes after starting	Continuous cathode cutout	N/A	✓
Lamp life	• Recommended with sensors • Extends lamp life and warranty	Programmed start	N/A	✓
	• ANSI requirements <1.7 (A crest factor of 1.41 or less is optimal to extend lamp life)	Current crest factor	<1.4	<1.7
	• If one lamp fails, others remain lit	Parallel lamp operation	✓	✓
Performance	• Simplifies installation, adapting to any voltage from 108V to 305V (347V for the Canadian market, 480V for industrial applications)	Multi-voltage technology	✓	✓
	• Provides fast starting with sensors	Fast starting time	✓	<700ms
	• Prevents ballast from arcing when sockets are damaged	UL type CC anti-arc rating	✓	N/A
	• Starts in extreme cold	Minimum starting temperature	-22˚F	0˚F
	• Eliminates maintenance issues caused by striating or spiraling lamps	Anti-striation control	✓	✓
	• Maintains 5-year warranty even in high ambient (55˚C/131˚F) applications	UltraCool™ certification	✓	✓

T8 system life ratings



Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
2' Standard												
2'	24	17	Medium Bi-Pin (G13)	45741	F17T8/SP30/ECO	24	30,000	36,000	1,325	1,260	3000	78
	24	17	Medium Bi-Pin (G13)	45743	F17T8/SP35/ECO	24	30,000	36,000	1,325	1,260	3500	78
	24	17	Medium Bi-Pin (G13)	45748	F17T8/SP41/ECO	24	30,000	36,000	1,325	1,260	4100	78
	24	17	Medium Bi-Pin (G13)	45742	F17T8/SPX30/ECO	24	30,000	36,000	1,350	1,280	3000	85
	24	17	Medium Bi-Pin (G13)	45747	F17T8/SPX35/ECO	24	30,000	36,000	1,350	1,280	3500	85
	24	17	Medium Bi-Pin (G13)	45749	F17T8/SPX41/ECO	24	30,000	36,000	1,350	1,280	4100	85
2' Standard with covRguard®												
2'	24	17	Medium Bi-Pin (G13)	15974	F17T8SP35ECOCVG	24	30,000	36,000	1,280	1,220	3500	78
	24	17	Medium Bi-Pin (G13)	15977	F17T8SP41ECOCVG	24	30,000	36,000	1,280	1,220	4100	78
	24	17	Medium Bi-Pin (G13)	15975	F17T8SPX35ECOCVG	24	30,000	36,000	1,310	1,242	3500	85
	24	17	Medium Bi-Pin (G13)	15976	F17T8SPX41ECOCVG	24	30,000	36,000	1,310	1,242	4100	85
	24	17	Medium Bi-Pin (G13)	28885	F17T8XLSPX50ECOCVG	24	40,000	45,000	1,310	1,242	5000	82
2' XL Extra-Life												
2'	24	17	Medium Bi-Pin (G13)	15476	F17T8/XL/SP30/ECO	24	40,000	45,000	1,325	1,260	3000	78
	24	17	Medium Bi-Pin (G13)	15479	F17T8/XL/SP35/ECO	24	40,000	45,000	1,325	1,260	3500	78
	24	17	Medium Bi-Pin (G13)	15480	F17T8/XL/SP41/ECO	24	40,000	45,000	1,325	1,260	4100	78
	24	17	Medium Bi-Pin (G13)	15481	F17T8/XL/SPX30/ECO	24	40,000	45,000	1,350	1,280	3000	85
	24	17	Medium Bi-Pin (G13)	15483	F17T8/XL/SPX35/ECO	24	40,000	45,000	1,350	1,280	3500	85
	24	17	Medium Bi-Pin (G13)	15484	F17T8/XL/SPX41/ECO	24	40,000	45,000	1,350	1,280	4100	85
	24	17	Medium Bi-Pin (G13)	10415	F17T8/XL/SPX50/ECO	24	40,000	45,000	1,300	1,235	5000	82
	24	17	Medium Bi-Pin (G13)	16092	F17T8/XL/SPX65/ECO	24	40,000	45,000	1,250	1,125	6500	78
2' Watt-Miser®												
2'	24	15	Medium Bi-Pin (G13)	72132	F17T8/XL/SPX30/WM/ECO	24	45,000	50,000	1,200	1,130	3000	85
	24	15	Medium Bi-Pin (G13)	72133	F17T8/XL/SPX35/WM/ECO	24	45,000	50,000	1,200	1,130	3500	85
	24	15	Medium Bi-Pin (G13)	72134	F17T8/XL/SPX41/WM/ECO	24	45,000	50,000	1,200	1,130	4100	82
	24	15	Medium Bi-Pin (G13)	72135	F17T8/XL/SPX50/WM/ECO	24	45,000	50,000	1,175	1,105	5000	80
3' Standard												
3'	36	25	Medium Bi-Pin (G13)	45750	F25T8/SP30/ECO	24	30,000	36,000	2,080	1,970	3000	78
	36	25	Medium Bi-Pin (G13)	45754	F25T8/SP35/ECO	24	30,000	36,000	2,080	1,970	3500	78
	36	25	Medium Bi-Pin (G13)	45756	F25T8/SP41/ECO	24	30,000	36,000	2,080	1,970	4100	78
	36	25	Medium Bi-Pin (G13)	45753	F25T8/SPX30/ECO	24	30,000	36,000	2,150	2,040	3000	85
	36	25	Medium Bi-Pin (G13)	45755	F25T8/SPX35/ECO	24	30,000	36,000	2,150	2,040	3500	85
	36	25	Medium Bi-Pin (G13)	45757	F25T8/SPX41/ECO	24	30,000	36,000	2,150	2,040	4100	85
3' Standard with covRguard®												
3'	36	25	Medium Bi-Pin (G13)	15978	F25T8SP30ECOCVG	24	30,000	36,000	2,020	1,920	3000	78
	36	25	Medium Bi-Pin (G13)	15981	F25T8SP35ECOCVG	24	30,000	36,000	2,020	1,920	3500	78
	36	25	Medium Bi-Pin (G13)	15984	F25T8SP41ECOCVG	24	30,000	36,000	2,020	1,920	4100	78
	36	25	Medium Bi-Pin (G13)	15989	F25T8SPX30ECOCVG	24	30,000	36,000	2,080	1,970	3000	85
	36	25	Medium Bi-Pin (G13)	15990	F25T8SPX35ECOCVG	24	30,000	36,000	2,080	1,970	3500	85
	36	25	Medium Bi-Pin (G13)	15991	F25T8SPX41ECOCVG	24	30,000	36,000	2,080	1,970	4100	85
	36	25	Medium Bi-Pin (G13)	28887	F25T8XLSPX50ECOCVG	24	40,000	45,000	1,990	1,890	5000	82
3' XL Extra-Life												
3'	36	25	Medium Bi-Pin (G13)	15486	F25T8/XL/SP30/ECO	24	40,000	45,000	2,080	1,970	3000	78
	36	25	Medium Bi-Pin (G13)	15487	F25T8/XL/SP35/ECO	24	40,000	45,000	2,080	1,970	3500	78
	36	25	Medium Bi-Pin (G13)	15488	F25T8/XL/SP41/ECO	24	40,000	45,000	2,080	1,970	4100	78
	36	25	Medium Bi-Pin (G13)	15489	F25T8/XL/SPX30/ECO	24	40,000	45,000	2,150	2,040	3000	85
	36	25	Medium Bi-Pin (G13)	15490	F25T8/XL/SPX35/ECO	24	40,000	45,000	2,150	2,040	3500	85
	36	25	Medium Bi-Pin (G13)	15491	F25T8/XL/SPX41/ECO	24	40,000	45,000	2,150	2,040	4100	85
	36	25	Medium Bi-Pin (G13)	10416	F25T8/XL/SPX50/ECO	24	40,000	45,000	2,050	1,950	5000	82
	36	25	Medium Bi-Pin (G13)	16314	F25T8/XL/SPX65/ECO	24	40,000	45,000	1,950	1,755	6500	78
3' Watt-Miser®												
3'	36	22	Medium Bi-Pin (G13)	72136	F25T8/XL/SPX30/WM/ECO	24	45,000	50,000	1,925	1,810	3000	85
	36	22	Medium Bi-Pin (G13)	72137	F25T8/XL/SPX35/WM/ECO	24	45,000	50,000	1,925	1,810	3500	85
	36	22	Medium Bi-Pin (G13)	72138	F25T8/XL/SPX41/WM/ECO	24	45,000	50,000	1,925	1,810	4100	82
	36	22	Medium Bi-Pin (G13)	72139	F25T8/XL/SPX50/WM/ECO	24	45,000	50,000	1,900	1,785	5000	80
1 5/8" Spacing Mod-U-Line®												
22.5"	22.5	31	Medium Bi-Pin (G13)	72117	F31T8/SPX30/U/ECO	15	24,000	30,000	2,775	2,440	3000	82
	22.5	31	Medium Bi-Pin (G13)	72118	F31T8/SPX35/U/ECO	15	24,000	30,000	2,775	2,440	3500	82
	22.5	31	Medium Bi-Pin (G13)	72119	F31T8/SPX41/U/ECO	15	24,000	30,000	2,775	2,440	4100	82
	22.5	29	Medium Bi-Pin (G13)	62172	F29T8/SPX30/U/ECO	15	24,000	30,000	2,500	2,200	3000	82
	22.5	29	Medium Bi-Pin (G13)	62173	F29T8/SPX35/U/ECO	15	24,000	30,000	2,500	2,200	3500	82
	22.5	29	Medium Bi-Pin (G13)	62174	F29T8/SPX41/U/ECO	15	24,000	30,000	2,500	2,200	4100	82
	22.5	26	Medium Bi-Pin (G13)	62169	F26T8/SPX30/U/ECO	15	24,000	30,000	2,250	1,980	3000	82
	22.5	26	Medium Bi-Pin (G13)	62170	F26T8/SPX35/U/ECO	15	24,000	30,000	2,250	1,980	3500	82
	22.5	26	Medium Bi-Pin (G13)	62171	F26T8/SPX41/U/ECO	15	24,000	30,000	2,250	1,980	4100	82

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

<4' lamp applications continued

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
6" Spacing Mod-U-Line®												
22.5"	22.5	32	Medium Bi-Pin (G13)	10479	F32T8/SP30/U6	12	20,000	24,000	2,700	2,565	3000	78
	22.5	32	Medium Bi-Pin (G13)	23585	F32T8/SP35/U6	12	20,000	24,000	2,700	2,565	3500	78
	22.5	32	Medium Bi-Pin (G13)	10480	F32T8/SP41/U6	12	20,000	24,000	2,700	2,565	4100	78
	22.5	32	Medium Bi-Pin (G13)	68920	F32T8/SPX30/U6/2	12	20,000	24,000	2,800	2,630	3000	82
	22.5	32	Medium Bi-Pin (G13)	68921	F32T8/SPX35/U6/2	12	20,000	24,000	2,800	2,630	3500	82
	22.5	32	Medium Bi-Pin (G13)	68922	F32T8/SPX41/U6/2	12	20,000	24,000	2,800	2,630	4100	82
	22.5	32	Medium Bi-Pin (G13)	68923	F32T8/SPX50/U6/2	12	20,000	24,000	2,660	2,510	5000	82
	22.5	32	Medium Bi-Pin (G13)	28145	F32T8/SP30/U6/ECO	12	20,000	24,000	2,700	2,375	3000	78
	22.5	32	Medium Bi-Pin (G13)	28149	F32T8/SP35/U6/ECO	12	20,000	24,000	2,700	2,375	3500	78
	22.5	32	Medium Bi-Pin (G13)	28152	F32T8/SP41/U6/ECO	12	20,000	24,000	2,700	2,375	4100	78
	22.5	32	Medium Bi-Pin (G13)	72111	F32T8/SPX30/U6/ECO	12	20,000	24,000	2,800	2,465	3000	82
	22.5	32	Medium Bi-Pin (G13)	72112	F32T8/SPX35/U6/ECO	12	20,000	24,000	2,800	2,465	3500	82
	22.5	32	Medium Bi-Pin (G13)	72113	F32T8/SPX41/U6/ECO	12	20,000	24,000	2,800	2,465	4100	82
	22.5	28	Medium Bi-Pin (G13)	67394	F28T8/SPX30/U6/ECO	12	20,000	24,000	2,500	2,200	3000	82
	22.5	28	Medium Bi-Pin (G13)	67395	F28T8/SPX35/U6/ECO	12	20,000	24,000	2,500	2,200	3500	82
	22.5	28	Medium Bi-Pin (G13)	67396	F28T8/SPX41/U6/ECO	12	20,000	24,000	2,500	2,200	4100	82

4' lamp applications

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
Standard												
4'	48	32	Medium Bi-Pin (G13)	26666	F32T8/SP30/ECO	36	30,000	36,000	2,450	2,300	3000	78
	48	32	Medium Bi-Pin (G13)	26667	F32T8/SP35/ECO	36	30,000	36,000	2,450	2,300	3500	78
	48	32	Medium Bi-Pin (G13)	26668	F32T8/SP41/ECO	36	30,000	36,000	2,450	2,300	4100	78
	48	32	Medium Bi-Pin (G13)	16090	F32T8/SP50/ECO	36	30,000	36,000	2,450	2,300	5000	78
	48	32	Medium Bi-Pin (G13)	16091	F32T8/SP65/ECO	36	30,000	36,000	2,450	2,300	6500	78
	48	32	Medium Bi-Pin (G13)	66347	F32T8/SPP30/ECO	36	30,000	36,000	2,900	2,725	3000	80
	48	32	Medium Bi-Pin (G13)	66348	F32T8/SPP35/ECO	36	30,000	36,000	2,900	2,725	3500	80
	48	32	Medium Bi-Pin (G13)	66349	F32T8/SPP41/ECO	36	30,000	36,000	2,900	2,725	4100	80
	48	32	Medium Bi-Pin (G13)	66350	F32T8/SPP50/ECO	36	30,000	36,000	2,900	2,725	5000	80
	48	32	Medium Bi-Pin (G13)	68850	F32T8/SPX30/ECO2	36	30,000	36,000	2,925	2,770	3000	85
	48	32	Medium Bi-Pin (G13)	68851	F32T8/SPX35/ECO2	36	30,000	36,000	2,925	2,770	3500	85
	48	32	Medium Bi-Pin (G13)	68852	F32T8/SPX41/ECO2	36	30,000	36,000	2,925	2,770	4100	85
	48	32	Medium Bi-Pin (G13)	68853	F32T8/SPX50/ECO2	36	30,000	36,000	2,900	2,755	5000	82
	48	32	Medium Bi-Pin (G13)	66342	F32T8/SPX65/ECO2	36	30,000	36,000	2,900	2,755	6500	78
Standard with covRguard®												
4'	48	32	Medium Bi-Pin (G13)	40803	F32T8SP30ECO/CVG	36	30,000	36,000	2,375	2,230	3000	78
	48	32	Medium Bi-Pin (G13)	40804	F32T8SP35ECO/CVG	36	30,000	36,000	2,375	2,230	3500	78
	48	32	Medium Bi-Pin (G13)	40812	F32T8SP41ECO/CVG	36	30,000	36,000	2,375	2,230	4100	78
	48	32	Medium Bi-Pin (G13)	18366	F32T8/SP50ECO/CVG	36	30,000	36,000	2,375	2,230	5000	78
	48	40	Medium Bi-Pin (G13)	18368	F32T8/SP65ECO/CVG	36	30,000	36,000	2,375	2,230	6500	78
	48	32	Medium Bi-Pin (G13)	41125	F32T8SPX30ECOCVG	36	30,000	36,000	2,835	2,690	3000	85
	48	32	Medium Bi-Pin (G13)	41126	F32T8SPX35ECOCVG	36	30,000	36,000	2,835	2,690	3500	85
	48	32	Medium Bi-Pin (G13)	41127	F32T8SPX41ECOCVG	36	30,000	36,000	2,835	2,690	4100	85
	48	32	Medium Bi-Pin (G13)	15971	F32T8SPX50ECOCVG	36	30,000	36,000	2,835	2,690	5000	82
XL Extra-Life												
4'	48	32	Medium Bi-Pin (G13)	27616	F32T8/XL/SP30/ECO	36	40,000	45,000	2,800	2,660	3000	78
	48	32	Medium Bi-Pin (G13)	27617	F32T8/XL/SP35/ECO	36	40,000	45,000	2,800	2,660	3500	78
	48	32	Medium Bi-Pin (G13)	27618	F32T8/XL/SP41/ECO	36	40,000	45,000	2,800	2,660	4100	78
	48	32	Medium Bi-Pin (G13)	68854	F32T8/XL/SPX30E2	36	40,000	45,000	2,925	2,770	3000	85
	48	32	Medium Bi-Pin (G13)	68855	F32T8/XL/SPX35E2	36	40,000	45,000	2,925	2,770	3500	85
	48	32	Medium Bi-Pin (G13)	68856	F32T8/XL/SPX41E2	36	40,000	45,000	2,925	2,770	4100	85
	48	32	Medium Bi-Pin (G13)	68857	F32T8/XL/SPX50E2	36	40,000	45,000	2,850	2,700	5000	82
	48	32	Medium Bi-Pin (G13)	68858	F32T8/XL/SPX65E2	36	40,000	45,000	2,750	2,610	6500	78
XL Extra-Life with covRguard®												
4'	48	32	Medium Bi-Pin (G13)	15972	F32T8XLSPX30ECOCVG	36	40,000	45,000	2,835	2,690	3000	85
	48	32	Medium Bi-Pin (G13)	15973	F32T8XLSPX35ECOCVG	36	40,000	45,000	2,835	2,690	3500	85
	48	32	Medium Bi-Pin (G13)	18369	F32T8XLSPX41ECOCVG	36	40,000	45,000	2,835	2,690	4100	85
	48	32	Medium Bi-Pin (G13)	23746	F32T8XLSPX50ECOCVG	36	40,000	45,000	2,750	2,650	5000	82
Super long life												
4'	48	32	Medium Bi-Pin (G13)	73094	F32T8/SXL/SPX35/ECO	36	55,000	60,000	2,850	2,675	3500	85
	48	32	Medium Bi-Pin (G13)	73095	F32T8/SXL/SPX41/ECO	36	55,000	60,000	2,850	2,675	4100	82
	48	32	Medium Bi-Pin (G13)	73096	F32T8/SXL/SPX50/ECO	36	55,000	60,000	2,800	2,630	5000	80
High lumen												
4'	48	32	Medium Bi-Pin (G13)	10327	F32T8/XL/SPX30/HL/ECO	36	40,000	45,000	3,100	2,915	3000	85
	48	32	Medium Bi-Pin (G13)	10326	F32T8/XL/SPX35/HL/ECO	36	40,000	45,000	3,100	2,915	3500	85
	48	32	Medium Bi-Pin (G13)	10322	F32T8/XL/SPX41/HL/ECO	36	40,000	45,000	3,100	2,915	4100	82
	48	32	Medium Bi-Pin (G13)	42556	F32T8/XL/SPX50/HL/ECO	36	40,000	45,000	3,000	2,820	5000	80
High lumen XL Extra-Life with covRguard®												
4'	48	32	Medium Bi-Pin (G13)	00267	F32T8XLSPX30HCVG	36	40,000	45,000	3,007	2,827	3000	85
	48	32	Medium Bi-Pin (G13)	00268	F32T8XLSPX35HCVG	36	40,000	45,000	3,007	2,827	3500	85
	48	32	Medium Bi-Pin (G13)	00269	F32T8XLSPX41HCVG	36	40,000	45,000	3,007	2,827	4100	82
	48	32	Medium Bi-Pin (G13)	80497	F32T8XLSPX50HCVG	36	40,000	45,000	2,910	2,735	5000	80

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

4' lamp applications continued

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
28W Watt-Miser®												
4'	48	28	Medium Bi-Pin (G13)	66471	F28T8/XL/SPP35/ECO	36	40,000	45,000	2,600	2,440	3500	80
	48	28	Medium Bi-Pin (G13)	66472	F28T8/XL/SPP41/ECO	36	40,000	45,000	2,600	2,440	4100	80
	48	28	Medium Bi-Pin (G13)	66473	F28T8/XL/SPP50/ECO	36	40,000	45,000	2,600	2,440	5000	80
	48	28	Medium Bi-Pin (G13)	72863	F28T8/XL/SPX30/ECO	36	45,000	50,000	2,675	2,515	3000	85
	48	28	Medium Bi-Pin (G13)	72864	F28T8/XL/SPX35/ECO	36	45,000	50,000	2,675	2,515	3500	85
	48	28	Medium Bi-Pin (G13)	72866	F28T8/XL/SPX41/ECO	36	45,000	50,000	2,675	2,515	4100	82
	48	28	Medium Bi-Pin (G13)	72867	F28T8/XL/SPX50/ECO	36	45,000	50,000	2,675	2,515	5000	80
	48	28	Medium Bi-Pin (G13)	66346	F28T8/XL/SPX65/ECO	36	45,000	50,000	2,600	2,440	6500	78
28W Watt-Miser® with covRguard®												
4'	48	28	Medium Bi-Pin (G13)	73292	F28T8/XLSPX30ECO/CVG	36	45,000	50,000	2,595	2,440	3000	85
	48	28	Medium Bi-Pin (G13)	73293	F28T8/XLSPX35ECO/CVG	36	45,000	50,000	2,595	2,440	3500	85
	48	28	Medium Bi-Pin (G13)	73294	F28T8/XLSPX41ECO/CVG	36	45,000	50,000	2,595	2,440	4100	82
	48	28	Medium Bi-Pin (G13)	73295	F28T8/XLSPX50ECO/CVG	36	45,000	50,000	2,595	2,440	5000	80
25W Watt-Miser®												
4'	48	25	Medium Bi-Pin (G13)	66467	F32T8/25W/SPP35/ECO	36	40,000	45,000	2,500	2,350	3500	80
	48	25	Medium Bi-Pin (G13)	66468	F32T8/25W/SPP41/ECO	36	40,000	45,000	2,500	2,350	4100	80
	48	25	Medium Bi-Pin (G13)	66469	F32T8/25W/SPP50/ECO	36	40,000	45,000	2,500	2,350	5000	80
	48	25	Medium Bi-Pin (G13)	72128	F32T8/25W/SPX30/ECO	36	50,000	55,000	2,500	2,350	3000	85
	48	25	Medium Bi-Pin (G13)	72129	F32T8/25W/SPX35/ECO	36	50,000	55,000	2,500	2,350	3500	85
	48	25	Medium Bi-Pin (G13)	72130	F32T8/25W/SPX41/ECO	36	50,000	55,000	2,500	2,350	4100	85
	48	25	Medium Bi-Pin (G13)	72131	F32T8/25W/SPX50/ECO	36	50,000	55,000	2,500	2,350	5000	80
25W Watt-Miser® with covRguard®												
4'	48	25	Medium Bi-Pin (G13)	72814	F32T8/25WSPX41ECOCVG	36	50,000	55,000	2,328	2,188	4100	82
	48	25	Medium Bi-Pin (G13)	72815	F32T8/25WSPX50ECOCVG	36	50,000	55,000	2,280	2,143	5000	80
High color rendering												
4'	48	32	Medium Bi-Pin (G13)	66343	F32T8/C50/ECO	36	30,000	36,000	1,700	1,600	5000	90
	48	32	Medium Bi-Pin (G13)	66344	F32T8/C75/ECO	36	30,000	36,000	1,700	1,600	7500	93

8' lamp applications

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
Standard												
8'	96	59	Single Pin (Fa8)	28105	F96T8/SP30/ECO	24	15,000	20,000	5,700	5,130	3000	75
	96	59	Single Pin (Fa8)	28106	F96T8/SP35/ECO	24	15,000	20,000	5,700	5,130	3500	75
	96	59	Single Pin (Fa8)	28125	F96T8/SP41/ECO	24	15,000	20,000	5,700	5,130	4100	75
XL Extra-Life												
8'	96	59	Single Pin (Fa8)	41889	F96T8/XL/SP30	24	24,000	30,000	5,800	5,500	3000	78
	96	59	Single Pin (Fa8)	41890	F96T8/XL/SP35	24	24,000	30,000	5,800	5,500	3500	78
	96	59	Single Pin (Fa8)	41891	F96T8/XL/SP41	24	24,000	30,000	5,800	5,500	4100	78
	96	59	Single Pin (Fa8)	67969	F96T8/XL/SPP35	24	24,000	30,000	5,800	5,220	3500	80
	96	59	Single Pin (Fa8)	67970	F96T8/XL/SPP41	24	24,000	30,000	5,800	5,220	4100	80
	96	59	Single Pin (Fa8)	67971	F96T8/XL/SPP50	24	24,000	30,000	5,800	5,220	5000	80
	96	59	Single Pin (Fa8)	68868	F96T8/XL/SPX30/2	24	24,000	30,000	5,950	5,650	3000	85
	96	59	Single Pin (Fa8)	68869	F96T8/XL/SPX35/2	24	24,000	30,000	5,950	5,650	3500	85
	96	59	Single Pin (Fa8)	68870	F96T8/XL/SPX41/2	24	24,000	30,000	5,950	5,650	4100	85
	96	59	Single Pin (Fa8)	68871	F96T8/XL/SPX50/2	24	24,000	30,000	5,950	5,650	5000	82
XL Extra-Life with covRguard®												
8'	96	59	Single Pin (Fa8)	40094	F96T8XL/SP30/CVG	24	24,000	30,000	5,620	5,380	3000	78
	96	59	Single Pin (Fa8)	40095	F96T8XL/SP35/CVG	24	24,000	30,000	5,620	5,380	3500	78
	96	59	Single Pin (Fa8)	40096	F96T8XL/SP41/CVG	24	24,000	30,000	5,620	5,380	4100	78
	96	59	Single Pin (Fa8)	40099	F96T8XL/SPX30CVG	24	24,000	30,000	5,770	5,480	3000	85
	96	59	Single Pin (Fa8)	40105	F96T8XL/SPX35/CVG	24	24,000	30,000	5,770	5,480	3500	85
	96	59	Single Pin (Fa8)	40106	F96T8XL/SPX41/CVG	24	24,000	30,000	5,770	5,480	4100	85
	96	59	Single Pin (Fa8)	48205	F96T8XL/SPX50/CVG	24	24,000	30,000	5,770	5,480	5000	82
54W Watt-Miser®												
8'	96	54	Single Pin (Fa8)	66891	F96T8/54W/SPP35	24	24,000	30,000	5,250	4,900	3500	80
	96	54	Single Pin (Fa8)	66892	F96T8/54W/SPP41	24	24,000	30,000	5,250	4,900	4100	80
	96	54	Single Pin (Fa8)	47072	F96T8/XL/SP30/WMP	24	24,000	30,000	5,800	5,450	3000	85
	96	54	Single Pin (Fa8)	47076	F96T8/XL/SP35/WMP	24	24,000	30,000	5,800	5,450	3500	85
	96	54	Single Pin (Fa8)	47103	F96T8/XL/SP41/WMP	24	24,000	30,000	5,800	5,450	4100	82
	96	54	Single Pin (Fa8)	66889	F96T8/XL/SP50/WMP	24	24,000	30,000	5,500	5,160	5000	80
	96	54	Single Pin (Fa8)	66890	F96T8/XL/SP65/WMP	24	24,000	30,000	5,400	5,020	6500	78

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

LENGTH	NOMINAL LENGTH (IN)	WATTS	BASE	PRODUCT CODE	DESCRIPTION	CASE QTY	RATED LIFE (3 HRS/START)*	RATED LIFE (12 HRS/START)*	INITIAL LUMENS^	MEAN LUMENS^	COLOR TEMP (K)	CRI
49W Watt-Miser®												
8'	96	49	Single Pin (Fa8)	66894	F96T8/49W/SPP35	24	24,000	30,000	4,800	4,500	3500	80
	96	49	Single Pin (Fa8)	66895	F96T8/49W/SPP41	24	24,000	30,000	4,800	4,500	4100	80
	96	49	Single Pin (Fa8)	79401	F96T8/49W/SPX30	24	24,000	30,000	5,000	4,700	3000	85
	96	49	Single Pin (Fa8)	79402	F96T8/49W/SPX35	24	24,000	30,000	5,000	4,700	3500	85
	96	49	Single Pin (Fa8)	79403	F96T8/49W/SPX41	24	24,000	30,000	5,000	4,700	4100	82
High Output												
8'	96	86	Recessed Double Contact (R17d)	12536	F96T8/SP30/HO	24	18,000		8,000	7,600	3000	78
	96	86	Recessed Double Contact (R17d)	12537	F96T8/SP35/HO	24	18,000		8,000	7,600	3500	78
	96	86	Recessed Double Contact (R17d)	12538	F96T8/SP41/HO	24	18,000		8,000	7,600	4100	78
	96	86	Recessed Double Contact (R17d)	12533	F96T8/SPX35/HO	24	18,000		8,200	7,800	3500	85
	96	86	Recessed Double Contact (R17d)	12534	F96T8/SPX41/HO	24	18,000		8,200	7,800	4100	85
	96	86	Recessed Double Contact (R17d)	12535	F96T8/SPX50/HO	24	18,000		8,200	7,800	5000	82
	96	86	Recessed Double Contact (R17d)	66897	F96T8/SPX65/HO	24	18,000		8,000	7,500	6500	78
High Output with covRguard®												
8'	96	86	Recessed Double Contact (R17d)	40107	F96T8/SP35HO/CVG	24	18,000		7,760	7,370	3500	78
	96	86	Recessed Double Contact (R17d)	40108	F96T8/SP41HO/CVG	24	18,000		7,760	7,370	4100	78
	96	86	Recessed Double Contact (R17d)	81563	F96T8/SPX50HO/CVG	24	18,000		7,954	7,566	5000	82

*Rated life is given for programmed Rapid Start ballasts. Life ratings are based on engineering data with lamps cycled every 3 or 12 operating hours.
^T8 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95˚F (35˚C).

4' UltraMax® High Efficiency Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
72258	GE132MAX-L/ULTRA	1 F32T8 120 - 277V L .77 BF UltraMax®	120-277	1	F32T8	25	0.21/0.09	0.77	0.99/0.96	≤9%	<1.4%	-22˚F
				1	F28T8	22/20	0.20/0.08	0.77	0.93/0.94	≤11%	<1.4%	60˚F
				1	F32T8/25W	21	0.18/0.08	0.77	0.99/0.97	≤10%	<1.4%	60˚F
72259	GE132MAX-N/ULTRA	1 F32T8 120 - 277V N .87 BF UltraMax®	120-277	1	F32T8	28	0.23/0.10	0.87	0.99/0.96	≤6%	<1.4%	-22˚F
				1	F28T8	25	0.21/0.09	0.88	0.99/0.95	≤9%	<1.4%	60˚F
				1	F32T8/25W	23	0.19/0.09	0.88	0.99/0.97	≤10%	<1.4%	60˚F
63885	GE132MAX-H/ULTRA	1 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	1	F32T8	37	0.31/0.14	1.18	0.99/0.96	≤6%	<1.4%	-22˚F
				1	F28T8	33	0.29/0.13	1.17	0.99/0.97	≤9%	<1.4%	60˚F
				1	F32T8/25W	30	0.25/0.11	1.18	0.99/0.97	≤10%	<1.4%	60˚F
72262	GE232MAX-L/ULTRA	2 or 1 F32T8 120 - 277V L .77 BF UltraMax®	120-277	2	F32T8	49/48	0.42/0.18	0.77	0.99/0.98	≤8%	<1.4%	-22˚F
				2	F28T8	43	0.36/0.16	0.77	0.99/0.98	≤9%	<1.4%	60˚F
				2	F32T8/25W	38	0.32/0.14	0.77	0.99/0.98	≤10%	<1.4%	60˚F
74096	GE232MAX347-L	2 or 1 F32T8 347V L .77 BF UltraMax®	347	2	F32T8	48	0.14	0.77	0.99	≤5%	<1.4%	-22˚F
				2	F28T8	42	0.12	0.74	0.98	≤7%	<1.4%	60˚F
				2	F32T8/25W	37	0.11	0.74	0.98	≤7%	<1.4%	60˚F
72266	GE232MAX-N/ULTRA	2 or 1 F32T8 120 - 277V N .88 BF UltraMax®	120-277	2	F32T8	54/53	0.47/0.20	0.87	0.99	≤8%	<1.4%	-22˚F
				2	F28T8	49/48	0.41/0.18	0.87	0.99	≤8%	<1.4%	60˚F
				2	F32T8/25W	44/43	0.37/0.16	0.87	0.99/0.98	≤10%	<1.4%	60˚F
74093	GE232MAX347-N	2 or 1 F32T8 347V N .88 BF UltraMax®	347	2	F32T8	53	0.15	0.87	0.99	≤5%	<1.4%	-22˚F
				2	F28T8	46	0.14	0.84	0.99	≤6%	<1.4%	60˚F
				2	F32T8/25W	42	0.12	0.84	0.99	≤6%	<1.4%	60˚F
71421	GE232MAX-N+	2 or 1 F32T8 120 - 277V N+ 1.0 BF UltraMax®	120-277	2	F32T8	62/61	0.51/0.23	1.00	0.99/0.96	≤10%	<1.4%	0˚F
				2	F28T8	55/54	0.46/0.20	1.00	0.99/0.96	≤10%	<1.4%	50˚F
				2	F32T8/25W	46	0.38/0.17	1.01	0.99/0.98	≤10%	<1.4%	60˚F
73190	GE232MAX-H/ULTRA	2 or 1 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	2	F32T8	74/73	0.62/0.27	1.18	0.99/0.97	≤10%	<1.4%	-22˚F
				2	F28T8	64/63	0.52/0.24	1.18	0.99/0.97	≤10%	<1.4%	60˚F
				2	F32T8/25W	60	0.51/0.22	1.18	0.99/0.98	≤10%	<1.4%	60˚F
74109	GE232MAX347-H	2 or 1 F32T8 347V H 1.18 BF UltraMax®	347	2	F32T8	70	0.20	1.18	0.99	≤4%	<1.4%	-22˚F
				2	F28T8	63	0.12	1.15	0.95	≤17%	<1.4%	60˚F
				2	F32T8/25W	56	0.16	1.12	0.99	≤5%	<1.4%	60˚F
62718	GE232MAX480-H	2 or 1 F32T8 480V H 1.18 BF UltraMax®	480	2	F32T8	73	0.16	1.18	0.95	≤10%	<1.4%	-22˚F
				2	F28T8	64	0.14	1.13	0.92	≤10%	<1.4%	50˚F
				2	F32T8/25W	59	0.13	1.11	0.92	≤10%	<1.4%	50˚F
78621	GE332MAX-L/ULTRA	3 or 2 F32T8 120 - 277V L .77 BF UltraMax®	120-277	3	F32T8	72/71	0.60/0.26	0.77	0.99/0.97	≤10%	<1.4%	-22˚F
				3	F28T8	64/63	0.54/0.24	0.77	0.99/0.97	≤10%	<1.4%	50˚F
				3	F32T8/25W	58/57	0.49/0.21	0.77	0.99/0.98	≤10%	<1.4%	50˚F
74097	GE332MAX347-L	2 or 1 F32T8 347V L .77 BF UltraMax®	347	3	F32T8	71	0.21	0.77	0.99	≤4%	<1.4%	-22˚F
				3	F28T8	63	0.18	0.74	0.99	≤5%	<1.4%	60˚F
				3	F32T8/25W	55	0.16	0.73	0.99	≤5%	<1.4%	60˚F
78623	GE332MAX-N/ULTRA	3 or 2 F32T8 120 - 277V N .87 BF UltraMax®	120-277	3	F32T8	82/80	0.69/0.30	0.87	0.99/0.98	≤10%	<1.4%	-22˚F
				3	F28T8	71/70	0.61/0.28	0.87	0.99/0.98	≤10%	<1.4%	50˚F
				3	F32T8/25W	65/64	0.55/0.24	0.87	0.99/0.97	≤10%	<1.4%	50˚F
74094	GE332MAX347-N	2 or 1 F32T8 347V N .87 BF UltraMax®	347	3	F32T8	79	0.23	0.87	0.99	≤5%	<1.4%	-22˚F
				3	F28T8	70	0.20	0.84	0.99	≤4%	<1.4%	60˚F
				3	F32T8/25W	63	0.18	0.84	0.99	≤4%	<1.4%	60˚F
71422	GE332MAX-N+	3 or 2 F32T8 120 - 277V N 1.0 BF UltraMax®	120-277	3	F32T8	91/90	0.77/0.33	1.00	0.99/0.98	≤15%	<1.4%	0˚F
				3	F28T8	83/82	0.69/0.30	1.00	0.99/0.98	≤15%	<1.4%	50˚F
				3	F32T8/25W	76/75	0.64/0.28	1.00	0.99/0.98	≤15%	<1.4%	60˚F
78619	GE332MAX-H/ULTRA	3 or 2 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	3	F32T8	106/104	0.89/0.38	1.18	0.99/0.98	≤10%	<1.4%	-22˚F
				3	F28T8	95/94	0.80/0.35	1.18	0.99/0.98	≤10%	<1.4%	50˚F
				3	F32T8/25W	90/88	0.76/0.32	1.18	0.99/0.98	≤10%	<1.4%	50˚F
74111	GE332MAX347-H	3 or 2 F32T8 347V H 1.18 BF UltraMax®	347	3	F32T8	105	0.30	1.18	0.99	≤5%	<1.4%	-22˚F
				3	F28T8	93	0.27	1.13	0.99	≤6%	<1.4%	60˚F
				3	F32T8/25W	85	0.25	1.13	0.99	≤6%	<1.4%	60˚F
62719	GE332MAX480-H	3 or 2 F32T8 480V H 1.18 BF UltraMax®	480	3	F32T8	108	0.23	1.18	0.95	≤10%	<1.4%	-22˚F
				3	F28T8	94	0.20	1.13	0.95	≤10%	<1.4%	50˚F
				3	F32T8/25W	87	0.19	1.11	0.95	≤10%	<1.4%	50˚F

4' UltraMax® High Efficiency Instant Start ballasts continued

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
78625	GE432MAX-L/ULTRA	4 or 3 F32T8 120 - 277V L .77 BF UltraMax®	120-277	4	F32T8	97/95	0.82/0.35	0.79/0.81	0.99/0.98	≤10%	<1.4%	-22˚F
				4	F28T8	86/84	0.72/0.31	0.77	0.99/0.98	≤10%	<1.4%	50˚F
				4	F32T8/25W	77/75	0.65/0.28	0.77	0.99/0.98	≤10%	<1.4%	50˚F
74098	GE432MAX347-L	4 or 3 F32T8 347V L .77 BF UltraMax®	347	4	F32T8	96	0.28	0.77	0.99	≤6%	<1.4%	-22˚F
				4	F28T8	84	0.24	0.74	0.99	≤7%	<1.4%	60˚F
				4	F32T8/25W	74	0.22	0.74	0.99	≤7%	<1.4%	60˚F
78623	GE432MAX-N/ULTRA	4 or 3 F32T8 120 - 277V N .87 BF UltraMax®	120-277	4	F32T8	108/106	0.90/0.39	0.87	0.99/0.98	≤10%	<1.4%	-22˚F
				4	F28T8	94/92	0.79/0.34	0.87	0.99/0.98	≤10%	<1.4%	50˚F
				4	F32T8/25W	87/88	0.73/0.32	0.87	0.99/0.98	≤10%	<1.4%	50˚F
74095	GE432MAX347-N	4 or 3 F32T8 347V N .87 BF UltraMax®	347	3	F32T8	106	0.30	0.88	0.99	≤5%	<1.4%	-22˚F
				3	F28T8	97	0.27	0.84	0.99	≤5%	<1.4%	-22˚F
				3	F32T8/25W	84	0.24	0.84	0.99	≤5%	<1.4%	-22˚F
71423	GE432MAX-N+	4 or 3 F32T8 120 - 277V N+ 1.0 BF UltraMax®	120-277	4	F32T8	124/123	1.03/0.45	1.00	0.99/0.98	≤15%	<1.4%	0˚F
				4	F28T8	114/112	0.95/0.36	1.00	0.99/0.97	≤18%	<1.4%	50˚F
				4	F32T8/25W	101/100	0.85/0.37	1.00	0.99/0.98	≤15%	<1.4%	60˚F
78619	GE432MAX-H/ULTRA	4 or 3 F32T8 120 - 277V H 1.18 BF UltraMax®	120-277	4	F32T8	148/145	1.30/0.55	1.18	0.99/0.98	≤10%	<1.4%	-22˚F
				4	F28T8	127/125	1.10/0.48	1.18	0.99/0.98	≤10%	<1.4%	50˚F
				4	F32T8/25W	120/116	1.00/0.43	1.18	0.99/0.98	≤10%	<1.4%	50˚F
74113	GE432MAX347-H	4 or 3 F32T8 347V H 1.18 BF UltraMax®	347	4	F32T8	137	0.39	1.18	0.99	≤7%	<1.4%	-22˚F
				4	F28T8	126	0.36	1.13	0.99	≤7%	<1.4%	60˚F
				4	F32T8/25W	113	0.33	1.12	0.99	≤7%	<1.4%	60˚F
62720	GE432MAX480-H	4 or 3 F32T8 480V H 1.18 BF UltraMax®	480	4	F32T8	144	0.31	1.18	0.95	≤10%	<1.4%	-22˚F
				4	F28T8	125	0.27	1.13	0.95	≤10%	<1.4%	50˚F
				4	F32T8/25W	115	0.26	1.11	0.95	≤10%	<1.4%	50˚F

4' Proline® Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
74101	GE132-N-347	1 F32T8 347V N .87 BF Proline®	347	1	F32T8	30	0.09	0.87	0.97	≤4%	<1.7%	-22˚F
				1	F28T8	26	0.08	0.84	0.96	≤6%	<1.7%	60˚F
				1	F32T8/25W	24	0.07	0.84	0.96	≤6%	<1.7%	60˚F
72273	GE232-ML-L	2 or 1 F32T8 120 - 277V L .77 BF Proline®	120-277	2	F32T8	49/48	0.42/0.18	0.79/0.77	0.99/0.98	≤8%	<1.7%	-22˚F
				2	F28T8	43	0.36/0.16	0.77	0.99/0.98	≤9%	<1.7%	60˚F
				2	F32T8/25W	38	0.32/0.14	0.77	0.99/0.98	≤10%	<1.7%	60˚F
72275	GE233-MV-N	2 or 1 F32T8 120 - 277V N .87 BF Proline®	120-277	2	F32T8	57/55	0.48/0.20	0.91/0.89	0.99/0.98	≤9%	<1.7%	0˚F
				2	F28T8	47	0.39/0.17	0.83	0.99/0.97	≤8%	<1.7%	60˚F
				2	F32T8/25W	43	0.36/0.16	0.86	0.99/0.97	≤10%	<1.7%	60˚F
74103	GE232-N-347	2 or 1 F32T8 347V N .87 BF Proline®	347	2	F32T8	55	0.16	0.87	0.99	≤5%	<1.7%	-22˚F
				2	F28T8	48	0.14	0.84	0.99	≤5%	<1.7%	60˚F
				2	F32T8/25W	44	0.13	0.84	0.99	≤5%	<1.7%	60˚F
74803	GE232MV-H	2 or 1 F32T8 120 - 277V N 1.18 BF Proline®	120-277	2	F32T8	75/74	0.63/0.27	1.18	0.99/0.98	≤6%	<1.7%	-18˚F
				2	F28T8	65/64	0.54/0.24	1.15/1.13	0.99/0.98	≤6%	<1.7%	60˚F
				2	F32T8/25W	61/60	0.51/0.22	1.21/1.19	0.99/0.97	≤7%	<1.7%	60˚F
74459	GE332MV-L	3 or 2 F32T8 120 - 277V L .77 BF Proline®	120-277	3	F32T8	74/73	0.70/0.31	0.78	0.99/0.98	≤10%	<1.7%	0˚F
				3	F28T8	63	0.57/0.25	0.75	0.99/0.98	≤10%	<1.7%	60˚F
				3	F32T8/25W	59	0.50/0.22	0.74	0.99/0.98	≤15%	<1.7%	60˚F
74456	GE332MV-N	3 or 2 F32T8 120 - 277V N .87 BF Proline®	120-277	3	F32T8	81/80	0.71/0.32	0.87	0.99/0.98	≤10%	<1.7%	0˚F
				3	F28T8	67/68	0.60/0.28	0.82	0.99/0.98	≤10%	<1.7%	60˚F
				3	F32T8/25W	66/65	0.56/0.24	0.80	0.99/0.98	≤13%	<1.7%	60˚F
74105	GE332-N-347	3 or 2 F32T8 347V N .87 BF Proline®	347	3	F32T8	82	0.23	0.87	0.99	≤5%	<1.7%	-22˚F
				3	F28T8	73	0.20	0.83	0.99	≤5%	<1.7%	60˚F
				3	F32T8/25W	66	0.19	0.83	0.99	≤4%	<1.7%	60˚F
74461	GE332MV-H	3 or 2 F32T8 120 - 277V H 1.18 BF Proline®	120-277	3	F32T8	108/105	0.90/0.39	1.15	0.99	≤6%	<1.7%	0˚F
				3	F28T8	94/92	0.79/0.34	1.12	0.99/0.98	≤6%	<1.7%	60˚F
				3	F32T8/25W	89/88	0.75/0.32	1.12	0.99/0.98	≤6%	<1.7%	60˚F
74466	GE432MV-L	4 or 3 F32T8 120 - 277V L .77 BF Proline®	120-277	4	F32T8	100/98	0.95/0.41	0.80/0.82	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	86/85	0.77/0.33	0.76/0.75	0.99/0.97	≤10%	<1.7%	60˚F
				4	F32T8/25W	77	0.65/0.28	0.75	0.99/0.98	≤15%	<1.7%	60˚F

4' Proline® Instant Start ballasts continued

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
74463	GE432MV-N	4 or 3 F32T8 120 - 277V N .87 BF Proline®	120-277	4	F32T8	113/110	0.99/0.43	0.88	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	93/92	0.83/0.26	0.88/0.89	0.99/0.98	≤10%	<1.7%	60˚F
				4	F32T8/25W	88/87	0.74/0.32	0.80	0.99/0.98	≤15%	<1.7%	60˚F
74107	GE432-N-347	4 or 3 F32T8 347V N .87 BF Proline®	347	4	F32T8	109	0.30	0.88	0.99	≤5%	<1.7%	0˚F
				4	F28T8	96	0.27	0.88	0.99	≤5%	<1.7%	60˚F
				4	F32T8/25W	87	0.25	0.84	0.99	≤5%	<1.7%	60˚F
78629	GE432MV-H	4 or 3 F32T8 120 - 277V H 1.18 BF Proline®	120-277	4	F32T8	146/143	1.23/0.53	1.18	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	123/121	1.03/0.43	1.10/1.11	0.99/0.98	≤10%	<1.7%	60˚F
				4	F32T8/25W	123/121	1.03/0.43	1.11	0.99/0.98	≤10%	<1.7%	60˚F

8' UltraMax® High Efficiency Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
73199	GE259MAX-L/ULTRA	2 or 1 F96T8 120 - 277V L .77 UltraMax®	120-277	2	F96T8	95/94	0.81/0.35	0.77	0.99	≤10%	<1.7%	0˚F
				2	F96T8WM	93/91	0.79/0.34	0.77	0.99	≤10%	<1.7%	60˚F
				2	F96T8WMP	89/87	0.74/0.32	0.74	0.99/0.98	≤10%	<1.7%	60˚F
49767	GE259MAX-N/ULTRA	2 or 1 F96T8 120 - 277V N .87 UltraMax®	120-277	2	F96T8	108/101	0.91/0.40	0.87	0.99	≤10%	<1.7%	0˚F
				2	F96T8WM	104/101	0.87/0.38	0.87	0.99	≤10%	<1.7%	60˚F
				2	F96T8WMP	98/96	0.78/0.32	0.89	0.99	≤10%	<1.7%	60˚F
63888	GE286MAX-HO-N	2 or 1 F96T8HO 120 - 277V H 1.18 UltraMax®	120-277	2	F96T8	142/140	1.24/0.52	1.15	0.99	≤10%	<1.7%	-22˚F
				2	F96T8WM	135/133	1.18/0.50	1.15	0.99/0.98	≤10%	<1.7%	-22˚F
				2	F96T8WMP	124/122	1.10/0.46	1.37	0.99	≤10%	<1.7%	-22˚F
				2	F96T849W	111/110	0.95/0.41	1.37	0.99	≤10%	<1.7%	-22˚F
				2	F96T8HO	145/142	1.25/0.54	0.85	0.99	≤10%	<1.7%	-22˚F

8' Proline® Instant Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
30195	GE-159-MV-N	1 F96T8 120 - 277V N .87 BF Proline®	120-277	1	F96T8	60/59	0.51/0.22	0.89	0.99	≤10%	<1.7%	0˚F
				1	F96T8WM	55/54	0.55/0.21	0.85	0.99	≤10%	<1.7%	60˚F
				1	F96T8WMP	51	0.43/0.19		0.99	≤10%	<1.7%	60˚F
74469	GE259MV-N	1 F96T8 120 - 277V N .87 BF Proline®	120-277	2	F96T8	107/105	0.90/0.38	0.88	0.99	≤7%	<1.7%	0˚F
				2	F96T8WM	105/103	0.88/0.38	0.88	0.99	≤7%	<1.7%	0˚F
				2	F96T8WMP	98/96	0.82/0.35	1.04	0.99	≤7%	<1.7%	0˚F

UltraStart® Programmed Start ballasts

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
75952	GE132-MVPS-L	1 F32T8 120 - 277V L .71 BF UltraStart®	120-277	1	F32T8	25	0.22/0.10	0.71	0.99/0.96	≤10%	<1.7%	0˚F
				1	F28T8	22	0.19/0.09	0.71	0.99/0.94	≤10%	<1.7%	50˚F
				1	F32T8/25W	20/21	0.18/0.08	0.71	0.99/0.94	≤10%	<1.7%	50˚F
75953	GE132-MVPS-N	1 F32T8 120 - 277V N .88 BF UltraStart®	120-277	1	F32T8	30	0.26/0.12	0.89	0.99/0.95	≤10%	<1.7%	0˚F
				1	F28T8	26	0.22/0.10	0.87	0.99/0.93	≤10%	<1.7%	50˚F
				1	F32T8/25W	24	0.21/0.10	0.86	0.99/0.93	≤10%	<1.7%	50˚F
75954	GE132-MVPS-H	1 F32T8 120 - 277V H 1.18 BF UltraStart®	120-277	1	F32T8	39	0.35/0.15	1.18	0.98/0.97	≤10%	<1.7%	0˚F
				1	F28T8	33	0.29/0.13	1.16	0.99/0.96	≤10%	<1.7%	50˚F
				1	F32T8/25W	31	0.27/0.12	1.15	0.99/0.95	≤10%	<1.7%	50˚F
29671	GE232-MVPS-XL	1 F32T8 120 - 277V XL .60 BF UltraStart®	120-277	1	F32T8	45/44	0.39/0.19	0.60	0.98/0.90	≤10%	<1.7%	0˚F
				1	F28T8	39	0.33/0.16	0.59	0.99/0.86	≤10%	<1.7%	60˚F
				1	F32T8/25W	36	0.30/0.13	0.59	0.98	≤10%	<1.7%	60˚F
96720	GE232-MVPS-L	2 or 1 F32T8 120 - 277V L .71 BF UltraStart®	120-277	2	F32T8	47	0.40/0.18	0.71	0.99/0.95	≤10%	<1.7%	0˚F
				2	F28T8	41	0.34/0.15	0.71	0.99/0.94	≤10%	<1.7%	60˚F
				2	F32T8/25W	37/36	0.31/0.13	0.65	0.98	≤10%	<1.7%	60˚F

PRODUCT CODE	DESCRIPTION	EXTENDED DESCRIPTION	LINE VOLTS	# OF LAMPS	LAMP TYPE	INPUT WATTS	NOMINAL LINE AMPS	BALLAST FACTOR	POWER FACTOR	HARMONIC TOTAL	CREST FACTOR	MINIMUM STARTING TEMPERATURE
62721	GE232PS347-L	2 or 1 F32T8 347V L .77 BF UltraStart®	347	2	F32T8	29	0.09	0.71	0.95	≤12%	<1.7%	0˚F
				2	F28T8	25	0.08	0.71	0.95	≤12%	<1.7%	60˚F
				2	F32T8/25W	24	0.07	0.71	0.95	≤12%	<1.7%	60˚F
96714	GE232-MVPS-N	2 or 1 F32T8 120 - 277V N .88 BF UltraStart®	120-277	2	F32T8	59/58	0.49/0.21	0.89	0.99/0.96	≤10%	<1.7%	0˚F
				2	F28T8	51/50	0.42/0.19	0.88	0.99/0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	45/44	0.38/0.16	0.86	0.98	≤10%	<1.7%	60˚F
62723	GE232PS347-N	2 or 1 F32T8 347V N .88 BF UltraStart®	347	2	F32T8	57	0.17	0.88	0.95	≤10%	<1.7%	0˚F
				2	F28T8	50	0.15	0.88	0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	46	0.14	0.88	0.95	≤10%	<1.7%	60˚F
29675	GE-232-MVPS-H	2 F32T8 120 - 277V H 1.15 BF UltraStart®	120-277	2	F32T8	75/74	0.64/0.29	1.15	0.98/0.94	≤10%	<1.7%	0˚F
				2	F28T8	68/69	0.54/0.25	1.23	0.94/0.98	≤10%	<1.7%	50˚F
				2	F32T8/25W	58/57	0.49/0.21	1.10	0.98	≤10%	<1.7%	50˚F
62726	GE232PS347-H	2 or 1 F32T8 347V H 1.18 BF UltraStart®	347	2	F32T8	74	0.22	1.18	0.95	≤10%	<1.7%	0˚F
				2	F28T8	62	0.19	1.13	0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	58	0.17	1.09	0.95	≤10%	<1.7%	60˚F
29672	GE332-MVPS-XL	3 F32T8 120 - 277V XL .60 BF UltraStart®	120-277	3	F32T8	67/66	0.58/0.26	0.60	0.98/0.93	≤10%	<1.7%	0˚F
				3	F28T8	57/56	0.49/0.22	0.58	0.99/0.94	≤10%	<1.7%	60˚F
				3	F32T8/25W	53/52	0.45/0.19	0.58	0.98	≤10%	<1.7%	60˚F
96721	GE332-MVPS-L	3 F32T8 120 - 277V L .71 BF UltraStart®	120-277	3	F32T8	69/68	0.61/0.27	0.71	0.99/0.96	≤10%	<1.7%	0˚F
				3	F28T8	58	0.49/0.22	0.69	0.99/0.95	≤10%	<1.7%	60˚F
				3	F32T8/25W	57/56	0.48/0.21	0.66	0.98	≤10%	<1.7%	60˚F
63041	GE332PS347-L	3 or 2 F32T8 347V L .71 BF UltraStart®	347	2	F32T8	70	0.21	0.71	0.95	≤10%	<1.7%	0˚F
				2	F28T8	60	0.18	0.71	0.95	≤10%	<1.7%	60˚F
				2	F32T8/25W	56	0.17	0.71	0.95	≤10%	<1.7%	60˚F
96715	GE332-MVPS-N	3 F32T8 120 - 277V N .88 BF UltraStart®	120-277	3	F32T8	86/84	0.72/0.31	0.89	0.99/0.97	≤10%	<1.7%	0˚F
				3	F28T8	73/72	0.61/0.27	0.84	0.990/.97	≤10%	<1.7%	60˚F
				3	F32T8/25W	67/66	0.56/0.24	0.84	0.98	≤10%	<1.7%	60˚F
62724	GE332PS347-N	3 or 2 F32T8 347V N .88 BF UltraStart®	347	3	F32T8	83	0.25	0.88	0.95	≤10%	<1.7%	0˚F
				3	F28T8	70	0.21	0.88	0.95	≤10%	<1.7%	60˚F
				3	F32T8/25W	65	0.19	0.88	0.95	≤10%	<1.7%	60˚F
29676	GE-332-MVPS-H	3 F32T8 120 - 277V H 1.15 BF UltraStart®	120-277	3	F32T8	110/108	0.95/0.41	1.15	0.98/0.96	≤10%	<1.7%	0˚F
				3	F28T8	92/91	0.79/0.35	1.09/1.10	0.99/0.96	≤10%	<1.7%	50˚F
				3	F32T8/25W	87/86	0.74/0.32	1.09	0.98	≤10%	<1.7%	50˚F
62727	GE332PS347-H	3 or 2 F32T8 347V N .88 BF UltraStart®	347	3	F32T8	110	0.33	1.18	0.95	≤10%	<1.7%	0˚F
				3	F28T8	94	0.28	1.13	0.95	≤10%	<1.7%	60˚F
				3	F32T8/25W	83	0.25	1.10	0.95	≤10%	<1.7%	60˚F
71832	GE432-MVPS-L	4 F32T8 120 - 277V Low Watt .71 BF UltraStart®	120-277	4	F32T8	90/88	0.77/0.32	0.71	0.99/0.98	≤10%	<1.7%	0˚F
				4	F28T8	77/76	0.64/0.28	0.68	0.99/0.97	≤10%	<1.7%	60˚F
				4	F32T8/25W	74/73	0.63/0.27	0.67	0.98	≤10%	<1.7%	60˚F
62722	GE432PS347-L	4 or 3 F32T8 347V L .71 BF UltraStart®	347	4	F32T8	88	0.27	0.71	0.95	≤10%	<1.7%	0˚F
				4	F28T8	76	0.23	0.71	0.95	≤10%	<1.7%	60˚F
				4	F32T8/25W	69	0.21	0.71	0.95	≤10%	<1.7%	60˚F
96716	GE432-MVPS-N	4 F32T8 120 - 277V N .88 BF UltraStart®	120-277	4	F32T8	114/112	0.97/0.41	0.89	0.99/0.97	≤10%	<1.7%	0˚F
				4	F28T8	96/95	0.82/0.35	0.83	0.99/0.97	≤10%	<1.7%	60˚F
				4	F32T8/25W	87/85	0.74/0.31	0.83	0.98	≤10%	<1.7%	60˚F
62725	GE432PS347-N	4 or 3 F32T8 347V N .88 BF UltraStart®	347	4	F32T8	109	0.33	0.88	0.95	≤10%	<1.7%	0˚F
				4	F28T8	91	0.27	0.88	0.95	≤10%	<1.7%	60˚F
				4	F32T8/25W	80	0.24	0.88	0.95	≤10%	<1.7%	60˚F
74476	GE432-MVPS-H	4 F32T8 120 - 277V H 1.18 BF UltraStart®	120-277	4	F32T8	147/144	1.27/0.55	1.16	0.99	≤10%	<1.7%	0˚F
				4	F28T8	125/123	1.08/0.47	1.12	0.99	≤10%	<1.7%	50˚F
				4	F32T8/25W	112/111	0.94/0.40	1.12	0.99	≤10%	<1.7%	50˚F

assurance

Whether you're using our linear fluorescent systems, using our ballasts as a component, selling them across your counter, installing them at your job site or enjoying their energy-saving performance and value, GE supports you by efficiently addressing warranty issues that may arise.

You will have the assurance of:

- A simple, clear limited warranty
- Toll-free dedicated technical support at 1-800-GELAMPS (435-2677) or 1-888-GEBALLAST (432-255-278)
- Claim-tracking status

GE lamp and ballast systems limited warranty summary

For full details and specific lamp cycle requirements, see the GE Lighting limited warranty, applicable to your system, lamp or ballast type.

	Lamp warranty on GE ballasts		
Linear fluorescent lamp	When operated on GE programmed Rapid Start ballasts	When operated on GE Instant Start ballasts	Electronic ballast warranty
F17T8/XL; F25T8/XL; F32T8 (SP, SPP & SPX)	3 years	2.5 years	5 years
F17T8/XL/WM; F25T8/XL/WM	3 years	3 years	5 years
F32T8/XL (SP & SPX); F28T8/XL/SPP; F32T8/25W/SPP	4 years	3 years	5 years
F32T8/XL/HL	4 years	4 years	5 years
F32T8/SXL; F28T8/XL; F32T8/25W	5 years	4 years	5 years
F96T8; F96T8/HO	–	2 years	5 years
F96T8/XL (SP; SPP & SPX); F96T8/54W/SPP; F96T8/XL/WMP; F96T8/49W (SPP & SPX)	–	3 years	5 years
F28WT8/HL	3 years	–	5 years
F14T8/WM; F21T8/WM; F28T8/WM; F35T8/WM	3.5 years	–	5 years
F14T8HE; F21T8HE; F28T8HE; F35T8HE; F24T8HO; F54T8/WM; F54T8/47W; F39T8HO; F80T8HO	4 years	–	5 years
F54T8/XL	5 years	–	5 years

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

For complete warranty information, visit GELighting.com/Warranty

Experience efficiency and energy savings the moment you turn on GE T8 linear fluorescent systems.

When the right lighting illuminates your space, you notice the difference – in productivity and in your energy bill. That's why GE offers energy-efficient T8 linear fluorescent systems that are long-lasting and smart for your budget. Not only is workflow interrupted less frequently by maintenance, but you experience the benefits of efficient, environmentally-sound lighting.

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To find out more and schedule your free lighting audit, visit www.gelighting.com/LFL.

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