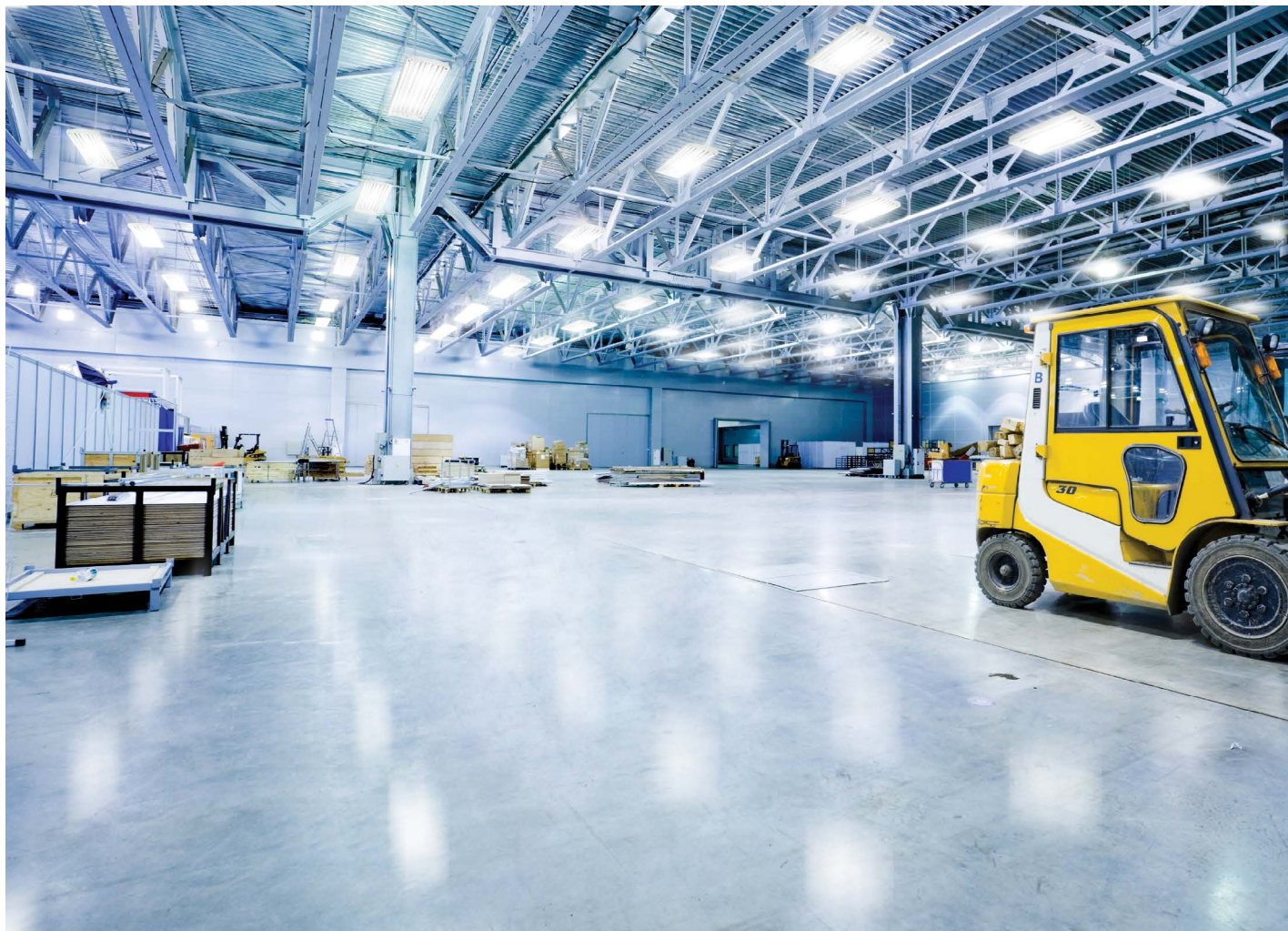


GE
Lighting

maximize



GE energy-efficient T5 linear fluorescent systems



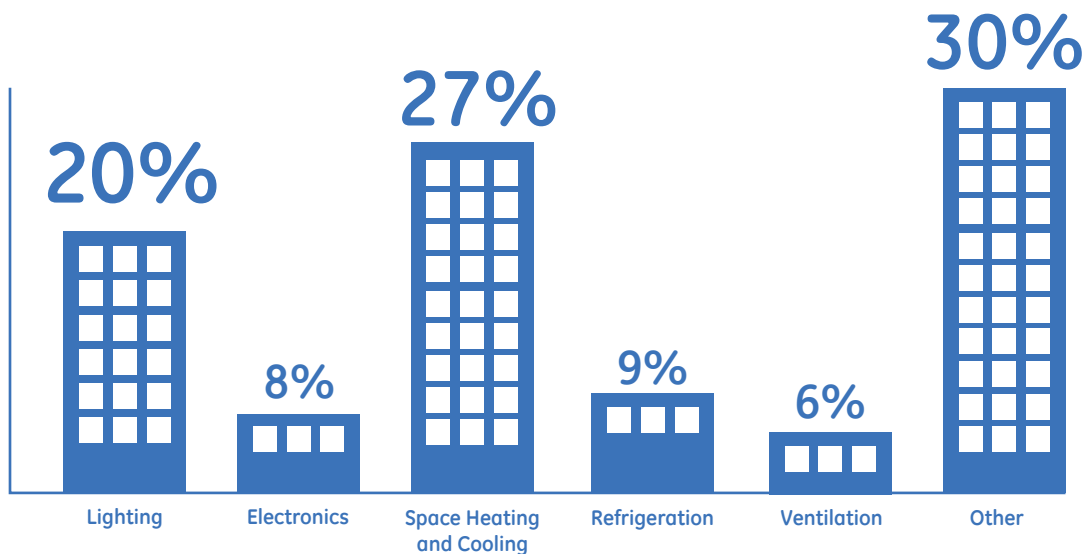
imagination at work

a bright way to improve efficiency

Your business is valuable. And when workers have to take time out of the day to climb scaffolds and change 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 usage.





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 ecomaginationSM initiatives, GE offers expansive online resources and tools to help businesses navigate the ever-changing market landscape.

did you know?

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

At gelighting.com, you can find:

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

compliant

a smart choice

GE T5 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® 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



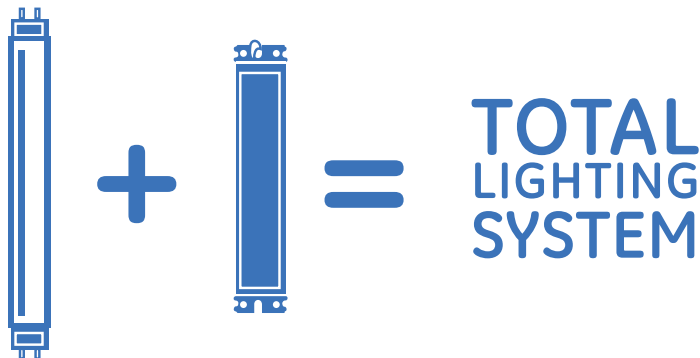


conformance directive

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 T5 lamp and ballast options offer full system solutions that meet the material restriction requirements of RoHS relating to those substances.

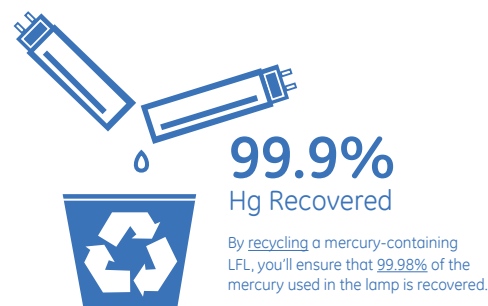


reduce, recover, recycle

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.



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

elevate

comprehensive solutions

GE offers a complete range of High Efficiency and High Output T5 lamp options. High Efficiency lamps deliver over 100 lumens per watt, giving you more light while using less energy. High Output lamps are an energy-efficient solution designed to produce the maximum amount of light.

High Efficiency and High Output T5 systems

| | High Efficiency systems | High Output systems |
|---------------------------------|---|---|
| Benefits | <ul style="list-style-type: none"> • Smaller lamp profile allows for more aesthetic fixtures • Low operating costs • Ability to meet light needs with less glare | <ul style="list-style-type: none"> • Maximum light output • Lower maintenance costs and extend re-lamp cycles with longer life • Energy saving alternative to HID fixtures |
| When to use | <ul style="list-style-type: none"> • Ideal for indirect lighting applications • Low ceiling heights requiring less foot candles • Areas sensitive to glare | <ul style="list-style-type: none"> • Higher ceiling heights that require maximum light output |
| Common application/space | <ul style="list-style-type: none"> • Office buildings • Commercial spaces with lower ceilings | <ul style="list-style-type: none"> • High bay, industrial, warehouse facilities • Replace HID fixtures |
| Efficiency | <ul style="list-style-type: none"> • 112 lumens per watt (LPW) | <ul style="list-style-type: none"> • 102 lumens per watt (LPW) |
| Rated life | <ul style="list-style-type: none"> • 36,000 hours | <ul style="list-style-type: none"> • \geq to 60,000 hours |

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.



where quality meets innovation

GE T5 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 T5 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.



customize

variety you can rely on

GE T5 lamps are available in both High Efficiency and High Output technologies, ensuring that no matter what type of light you need, we have you covered.

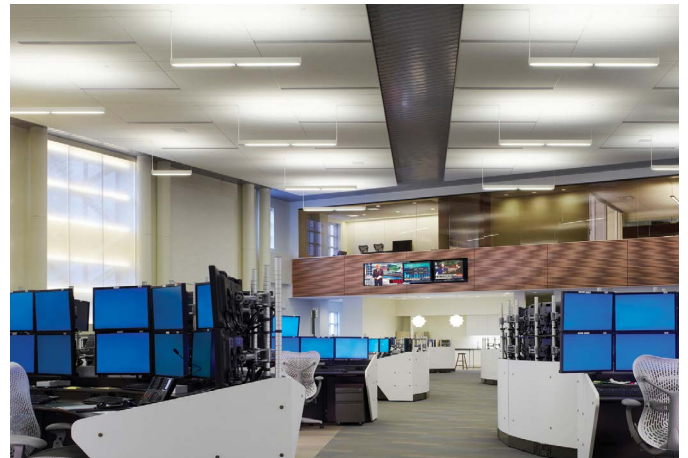
The charts below show GE's T5 product offering, including standard lamps, Watt-Miser® lamps and covRguard® lamps in both High Efficiency and High Output categories.

High Efficiency

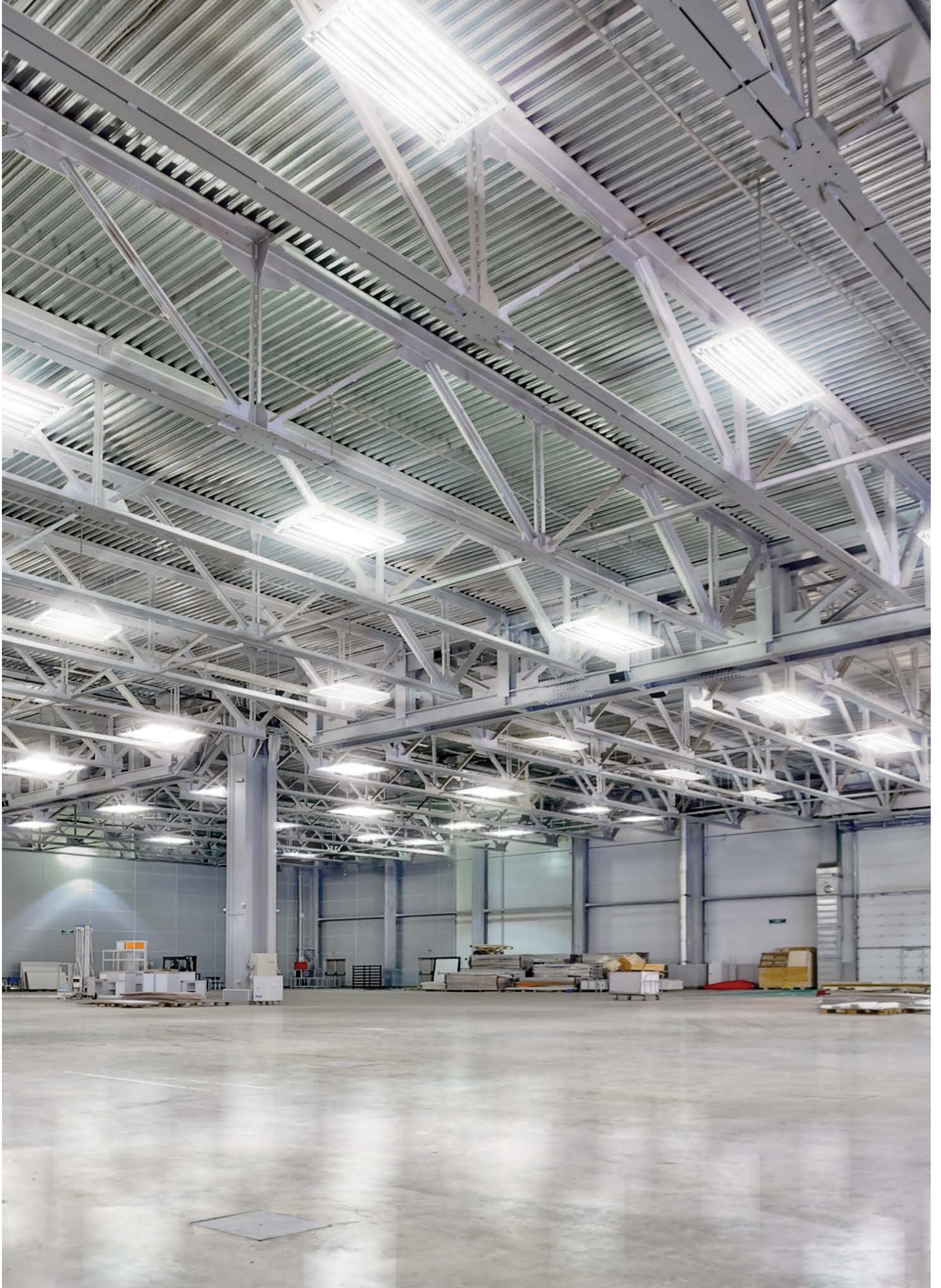
| Length | Standard High Efficiency lamps | Watt-Miser® High Efficiency lamps | covRguard® High Efficiency lamps |
|--------|--------------------------------|-----------------------------------|----------------------------------|
| 2' | 14W | 13W | 14W |
| 3' | 21W | 20W | — |
| 4' | 28W | 26W | 28W |
| 4' | 28W (high lumen) | — | — |
| 5' | 35W | 33W | — |

High Output

| Length | Standard High Output lamps | Watt-Miser® High Output lamps | covRguard® High Output lamps |
|--------|----------------------------|-------------------------------|------------------------------|
| 2' | 24W | — | 24W |
| 3' | 39W | — | 39W |
| 4' | 54W | 47W, 51W | 51W, 54W |
| 4' | 54W | 54W XL (extra-life) | 47W |
| 4' | 54W XL (extra-life) | — | — |
| 5' | 80W | — | — |



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.



exceed

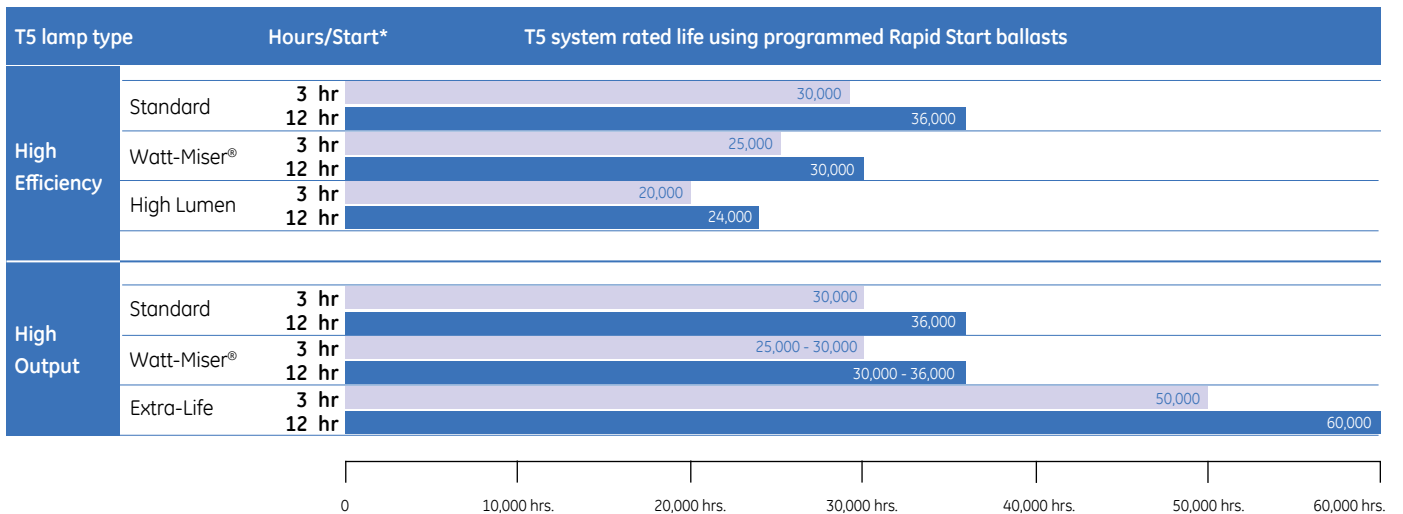
start right

UltraStart® is a family of High Efficiency GE programmed Rapid Start ballasts with parallel operation and fast starting. They are specifically designed to optimize the performance of GE T5 lamps, providing over 100,000 starts before 50 percent lamp failure. That means your lamps last longer, and your systems remain efficient.

did you know?

In 1939, GE showcased the first fluorescent ballast at the World's Fair in New York City.

T5 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.



the UltraStart® family

This feature-rich new generation of programmed start ballasts offer longer life in frequently switched applications common with use of sensors.

UltraStart® ballast benefits and features

| | Benefits | Features | UltraStart® |
|-----------------------|---|------------------------------|-------------|
| Energy savings | <ul style="list-style-type: none"> Ballast consumes <10% of the total system power | High Efficiency (>90%) | ✓ |
| | <ul style="list-style-type: none"> Cuts unneeded power to lamp filaments Operates at instant-start high-efficiency levels | Continuous cathode cutout | ✓ |
| Lamp life | <ul style="list-style-type: none"> Recommended with sensors Extends lamp life and warranty | Programmed start | ✓ |
| | <ul style="list-style-type: none"> ANSI requirements <1.7 (A crest factor of 1.41 or less is optimal to extend lamp life) | Current crest factor | <1.7 |
| | <ul style="list-style-type: none"> If one lamp fails, others remain lit Reduces spot re-lamping by 50%, group re-lamping by 15% | Parallel lamp operation | ✓ |
| Performance | <ul style="list-style-type: none"> Simplifies installation, adapting to any voltage from 108V to 305V | Multi-voltage technology | ✓ |
| | <ul style="list-style-type: none"> Eliminates maintenance issues caused by striating or spiraling lamps | Anti-striation control | ✓ |
| | <ul style="list-style-type: none"> Important with sensors Provides needed convenience | Fast starting time | <700ms |
| | <ul style="list-style-type: none"> High-performance starting with F54T5HO lamps in cold temperatures | Minimum starting temperature | 0°F |
| | <ul style="list-style-type: none"> Maintains 5-year warranty even in high ambient (55°C) applications | UltraCool™ certification | ✓ |

12 High Efficiency lamps

| LENGTH | NOMINAL LENGTH (IN) | WATTS | PRODUCT CODE | DESCRIPTION | CASE QTY | RATED LIFE (3 HRS/START)* | RATED LIFE (12 HRS/START)* | INITIAL LUMENS^ | MEAN LUMENS^ | COLOR TEMP (K) | CRI |
|--------------------|---------------------|-------|--------------|---------------------|----------|---------------------------|----------------------------|-----------------|--------------|----------------|-----|
| Standard | | | | | | | | | | | |
| 2' | 22 | 14 | 31590 | F14W/T5/830/ECO | 40 | 30,000 | 36,000 | 1,350 | 1,240 | 3,000 | 85 |
| | 22 | 14 | 46671 | F14W/T5/835/ECO | 40 | 30,000 | 36,000 | 1,350 | 1,240 | 3,500 | 85 |
| | 22 | 14 | 46673 | F14W/T5/841/ECO | 40 | 30,000 | 36,000 | 1,350 | 1,240 | 4,100 | 85 |
| | 22 | 14 | 46674 | F14W/T5/850/ECO | 40 | 30,000 | 36,000 | 1,300 | 1,190 | 5,000 | 85 |
| | 22 | 14 | 46676 | F14W/T5/865/ECO | 40 | 30,000 | 36,000 | 1,250 | 1,150 | 6,500 | 85 |
| 3' | 33 | 21 | 46677 | F21W/T5/830/ECO | 40 | 30,000 | 36,000 | 2,100 | 1,930 | 3,000 | 85 |
| | 33 | 21 | 46684 | F21W/T5/835/ECO | 40 | 30,000 | 36,000 | 2,100 | 1,930 | 3,500 | 85 |
| | 33 | 21 | 46687 | F21W/T5/841/ECO | 40 | 30,000 | 36,000 | 2,100 | 1,930 | 4,100 | 85 |
| | 33 | 21 | 46688 | F21W/T5/850/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 5,000 | 85 |
| | 33 | 21 | 46689 | F21W/T5/865/ECO | 40 | 30,000 | 36,000 | 1,950 | 1,790 | 6,500 | 85 |
| 4' | 45 | 28 | 46704 | F28W/T5/830/ECO | 40 | 30,000 | 36,000 | 2,900 | 2,660 | 3,000 | 85 |
| | 45 | 28 | 46705 | F28W/T5/835/ECO | 40 | 30,000 | 36,000 | 2,900 | 2,660 | 3,500 | 85 |
| | 45 | 28 | 46706 | F28W/T5/841/ECO | 40 | 30,000 | 36,000 | 2,900 | 2,660 | 4,100 | 85 |
| | 45 | 28 | 46707 | F28W/T5/850/ECO | 40 | 30,000 | 36,000 | 2,750 | 2,530 | 5,000 | 85 |
| | 45 | 28 | 46708 | F28W/T5/865/ECO | 40 | 30,000 | 36,000 | 2,700 | 2,480 | 6,500 | 85 |
| 5' | 57 | 35 | 46724 | F35W/T5/830/ECO | 40 | 30,000 | 36,000 | 3,650 | 3,350 | 3,000 | 85 |
| | 57 | 35 | 46727 | F35W/T5/835/ECO | 40 | 30,000 | 36,000 | 3,650 | 3,350 | 3,500 | 85 |
| | 57 | 35 | 46735 | F35W/T5/841/ECO | 40 | 30,000 | 36,000 | 3,650 | 3,350 | 4,100 | 85 |
| | 57 | 35 | 46742 | F35W/T5/850/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 5,000 | 85 |
| | 57 | 35 | 46743 | F35W/T5/865/ECO | 40 | 30,000 | 36,000 | 3,400 | 3,120 | 6,500 | 85 |
| High lumen | | | | | | | | | | | |
| 4' | 45 | 28 | 71652 | F28WT5/830/HL/ECO | 40 | 20,000 | 24,000 | 3,050 | 2,810 | 3,000 | 85 |
| | 45 | 28 | 71653 | F28WT5/835/HL/ECO | 40 | 20,000 | 24,000 | 3,050 | 2,810 | 3,500 | 85 |
| | 45 | 28 | 71654 | F28WT5/841/HL/ECO | 40 | 20,000 | 24,000 | 3,050 | 2,810 | 4,100 | 85 |
| | 45 | 28 | 71655 | F28WT5/850/HL/ECO | 40 | 20,000 | 24,000 | 2,900 | 2,670 | 5,000 | 85 |
| | 45 | 28 | 71656 | F28WT5/865/HL/ECO | 40 | 20,000 | 24,000 | 2,850 | 2,620 | 6,500 | 85 |
| Watt-Miser® | | | | | | | | | | | |
| 2' | 22 | 13 | 71632 | F14T5/830/WM/ECO | 40 | 25,000 | 30,000 | 1,350 | 1,240 | 3,000 | 85 |
| | 22 | 13 | 71633 | F14T5/835/WM/ECO | 40 | 25,000 | 30,000 | 1,350 | 1,240 | 3,500 | 85 |
| | 22 | 13 | 71634 | F14T5/841/WM/ECO | 40 | 25,000 | 30,000 | 1,350 | 1,240 | 4,100 | 85 |
| | 22 | 13 | 71635 | F14T5/850/WM/ECO | 40 | 25,000 | 30,000 | 1,300 | 1,190 | 5,000 | 85 |
| | 22 | 13 | 71636 | F14T5/865/WM/ECO | 40 | 25,000 | 30,000 | 1,250 | 1,150 | 6,500 | 85 |
| 3' | 33 | 20 | 71637 | F21T5/830/WM/ECO | 40 | 25,000 | 30,000 | 2,100 | 1,930 | 3,000 | 85 |
| | 33 | 20 | 71638 | F21T5/835/WM/ECO | 40 | 25,000 | 30,000 | 2,100 | 1,930 | 3,500 | 85 |
| | 33 | 20 | 71639 | F21T5/841/WM/ECO | 40 | 25,000 | 30,000 | 2,100 | 1,930 | 4,100 | 85 |
| | 33 | 20 | 71640 | F21T5/850/WM/ECO | 40 | 25,000 | 30,000 | 2,000 | 1,840 | 5,000 | 85 |
| | 33 | 20 | 71641 | F21T5/865/WM/ECO | 40 | 25,000 | 30,000 | 1,950 | 1,790 | 6,500 | 85 |
| 4' | 45 | 26 | 71642 | F28T5/830/WM/ECO | 40 | 25,000 | 30,000 | 2,900 | 2,660 | 3,000 | 85 |
| | 45 | 26 | 71643 | F28T5/835/WM/ECO | 40 | 25,000 | 30,000 | 2,900 | 2,660 | 3,500 | 85 |
| | 45 | 26 | 71644 | F28T5/841/WM/ECO | 40 | 25,000 | 30,000 | 2,900 | 2,660 | 4,100 | 85 |
| | 45 | 26 | 71645 | F28T5/850/WM/ECO | 40 | 25,000 | 30,000 | 2,750 | 2,530 | 5,000 | 85 |
| | 45 | 26 | 71646 | F28T5/865/WM/ECO | 40 | 25,000 | 30,000 | 2,700 | 2,480 | 6,500 | 85 |
| 5' | 57 | 33 | 71647 | F35T5/830/WM/ECO | 40 | 25,000 | 30,000 | 3,650 | 3,350 | 3,000 | 85 |
| | 57 | 33 | 71648 | F35T5/835/WM/ECO | 40 | 25,000 | 30,000 | 3,650 | 3,350 | 3,500 | 85 |
| | 57 | 33 | 71649 | F35T5/841/WM/ECO | 40 | 25,000 | 30,000 | 3,650 | 3,350 | 4,100 | 85 |
| | 57 | 33 | 71650 | F35T5/850/WM/ECO | 40 | 25,000 | 30,000 | 3,500 | 3,220 | 5,000 | 85 |
| | 57 | 33 | 71651 | F35T5/865/WM/ECO | 40 | 25,000 | 30,000 | 3,400 | 3,120 | 6,500 | 85 |
| covRguard® | | | | | | | | | | | |
| 2' | 22 | 14 | 73194 | F14W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 1,310 | 1,200 | 3,000 | 85 |
| | 22 | 14 | 73195 | F14W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 1,310 | 1,200 | 3,500 | 85 |
| 4' | 45 | 28 | 81546 | F28W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 2,813 | 2,672 | 3,000 | 85 |
| | 45 | 28 | 81547 | F28W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 2,813 | 2,672 | 3,500 | 85 |
| | 45 | 28 | 81548 | F28W/T5/841/ECO/CVG | 40 | 30,000 | 36,000 | 2,813 | 2,672 | 4,100 | 85 |
| | 45 | 28 | 81549 | F28W/T5/850/ECO/CVG | 40 | 30,000 | 36,000 | 2,667 | 2,534 | 5,000 | 85 |
| | 45 | 28 | 81550 | F28W/T5/865/ECO/CVG | 40 | 30,000 | 36,000 | 2,319 | 2,488 | 6,500 | 85 |

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.
 ^T5 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95° F (35° C).
 Note: All T5 lamps included in product charts have a Miniature Bi-Pin (G5) base.

Get more information at
GELighting.com/LFL

| LENGTH | NOMINAL LENGTH (IN) | WATTS | PRODUCT CODE | DESCRIPTION | CASE QTY | RATED LIFE (3 HRS/START)* | RATED LIFE (12 HRS/START)* | INITIAL LUMENS^ | MEAN LUMENS^ | COLOR TEMP (K) | CRI |
|------------------------------------|---------------------|-------|--------------|----------------------|----------|---------------------------|----------------------------|-----------------|--------------|----------------|-----|
| Standard | | | | | | | | | | | |
| 2' | 22 | 24 | 46699 | F24W/T5/830/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 3,000 | 85 |
| | 22 | 24 | 46700 | F24W/T5/835/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 3,500 | 85 |
| | 22 | 24 | 46701 | F24W/T5/841/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 4,100 | 85 |
| | 22 | 24 | 46702 | F24W/T5/850/ECO | 40 | 30,000 | 36,000 | 1,900 | 1,740 | 5,000 | 85 |
| | 22 | 24 | 46703 | F24W/T5/865/ECO | 40 | 30,000 | 36,000 | 1,880 | 1,740 | 6,500 | 85 |
| 3' | 33 | 39 | 46744 | F39W/T5/830/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 3,000 | 85 |
| | 33 | 39 | 46745 | F39W/T5/835/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 3,500 | 85 |
| | 33 | 39 | 46746 | F39W/T5/841/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 4,100 | 85 |
| | 33 | 39 | 46747 | F39W/T5/850/ECO | 40 | 30,000 | 36,000 | 3,350 | 3,080 | 5,000 | 85 |
| | 33 | 39 | 46748 | F39W/T5/865/ECO | 40 | 30,000 | 36,000 | 3,330 | 3,060 | 6,500 | 85 |
| 4' | 45 | 54 | 46759 | F54W/T5/830/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,000 | 85 |
| | 45 | 54 | 46760 | F54W/T5/835/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,500 | 85 |
| | 45 | 54 | 46761 | F54W/T5/841/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 4,100 | 85 |
| | 45 | 54 | 46762 | F54W/T5/850/ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 5,000 | 85 |
| | 45 | 54 | 46763 | F54W/T5/865/ECO | 40 | 30,000 | 36,000 | 4,750 | 4,370 | 6,500 | 85 |
| 5' | 57 | 80 | 46802 | F80W/T5/830/ECO | 40 | 30,000 | 36,000 | 7,000 | 6,440 | 3,000 | 85 |
| | 57 | 80 | 46803 | F80W/T5/835/ECO | 40 | 30,000 | 36,000 | 7,000 | 6,440 | 3,500 | 85 |
| | 57 | 80 | 46804 | F80W/T5/841/ECO | 40 | 30,000 | 36,000 | 7,000 | 6,440 | 4,100 | 85 |
| | 57 | 80 | 46805 | F80W/T5/850/ECO | 40 | 30,000 | 36,000 | 6,700 | 6,160 | 5,000 | 85 |
| | 57 | 80 | 46806 | F80W/T5/865/ECO | 40 | 30,000 | 36,000 | 6,650 | 6,110 | 6,500 | 85 |
| Watt-Miser® | | | | | | | | | | | |
| 4' | 45 | 51 | 71627 | F54T5/830/WM/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,000 | 85 |
| | 45 | 51 | 71628 | F54T5/835/WM/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,500 | 85 |
| | 45 | 51 | 71629 | F54T5/841/WM/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 4,100 | 85 |
| | 45 | 51 | 71630 | F54T5/850/WM/ECO | 40 | 30,000 | 36,000 | 4,790 | 4,410 | 5,000 | 85 |
| | 45 | 51 | 71631 | F54T5/865/WM/ECO | 40 | 30,000 | 36,000 | 4,750 | 4,370 | 6,500 | 85 |
| 4' | 45 | 47 | 62020 | F54T5/47W/830ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 3,000 | 84 |
| | 45 | 47 | 62021 | F54T5/47W/835ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 3,500 | 84 |
| | 45 | 47 | 62022 | F54T5/47W/841ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 4,100 | 84 |
| | 45 | 47 | 62023 | F54T5/47W/850ECO | 40 | 30,000 | 36,000 | 4,600 | 4,230 | 5,000 | 84 |
| | 45 | 47 | 62024 | F54T5/47W/865ECO | 40 | 30,000 | 36,000 | 4,550 | 4,180 | 6,500 | 84 |
| Extra-Life | | | | | | | | | | | |
| 4' | 45 | 54 | 68836 | F54T5/XL/830/ECO | 40 | 50,000 | 60,000 | 5,000 | 4,600 | 3,000 | 84 |
| | 45 | 54 | 68837 | F54T5/XL/835/ECO | 40 | 50,000 | 60,000 | 5,000 | 4,600 | 3,500 | 84 |
| | 45 | 54 | 68838 | F54T5/XL/841/ECO | 40 | 50,000 | 60,000 | 5,000 | 4,600 | 4,100 | 84 |
| | 45 | 54 | 68839 | F54T5/XL/850/ECO | 40 | 50,000 | 60,000 | 4,800 | 4,410 | 5,000 | 84 |
| | 45 | 54 | 68840 | F54T5/XL/865/ECO | 40 | 50,000 | 60,000 | 4,750 | 4,370 | 6,500 | 84 |
| covRguard® | | | | | | | | | | | |
| 2' | 22 | 24 | 71000 | F24W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 1,950 | 1,853 | 3,000 | 85 |
| | 22 | 24 | 70998 | F24W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 1,950 | 1,853 | 3,500 | 85 |
| | 22 | 24 | 70997 | F24W/T5/841/ECO/CVG | 40 | 30,000 | 36,000 | 1,950 | 1,853 | 4,100 | 85 |
| | 22 | 24 | 70999 | F24W/T5/850/ECO/CVG | 40 | 30,000 | 36,000 | 1,850 | 1,758 | 5,000 | 85 |
| | 22 | 24 | 70996 | F24W/T5/865/ECO/CVG | 40 | 30,000 | 36,000 | 1,800 | 1,710 | 6,500 | 85 |
| 3' | 33 | 39 | 70995 | F39W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 3,400 | 3,230 | 3,000 | 85 |
| | 33 | 39 | 70994 | F39W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 3,400 | 3,230 | 3,500 | 85 |
| | 33 | 39 | 70993 | F39W/T5/841/ECO/CVG | 40 | 30,000 | 36,000 | 3,400 | 3,230 | 4,100 | 85 |
| | 33 | 39 | 70990 | F39W/T5/865/ECO/CVG | 40 | 30,000 | 36,000 | 3,250 | 3,040 | 6,500 | 85 |
| 4' | 45 | 54 | 48433 | F54T5/830/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 3,000 | 85 |
| | 45 | 54 | 48436 | F54T5/835/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 3,500 | 85 |
| | 45 | 54 | 48458 | F54T5/841/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 4,100 | 85 |
| | 45 | 54 | 80311 | F54T5/850/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,650 | 4,370 | 5,000 | 85 |
| | 45 | 54 | 48469 | F54T5/865/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,650 | 4,320 | 6,500 | 85 |
| Watt-Miser® with covRguard® | | | | | | | | | | | |
| 4' | 45 | 51 | 72986 | F54T5/835/WM/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 3,500 | 85 |
| | 45 | 51 | 72987 | F54T5/841/WM/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 4,100 | 85 |
| | 45 | 51 | 72988 | F54T5/850/WM/ECO/CVG | 40 | 30,000 | 36,000 | 4,650 | 4,370 | 5,000 | 85 |
| | 45 | 47 | 65106 | F54T5/47W/841CVG | 40 | 30,000 | 36,000 | 4,728 | 4,343 | 4,100 | 84 |
| | 45 | 47 | 65107 | F54T5/47W/850CVG | 40 | 30,000 | 36,000 | 4,531 | 4,167 | 5,000 | 84 |
| Cold temperature | | | | | | | | | | | |
| 4' | 45 | 54 | 81522 | F54T5/841/CT | 36 | 30,000 | 36,000 | 4,500 | 4,275 | 4,100 | 85 |

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.
 ^T5 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95° F (35° C).
 Note: All T5 lamps included in product charts have a Miniature Bi-Pin (G5) base.

Get more information at
GELighting.com/LFL

14 T5 High Efficiency 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 |
|---|----------------|---|------------|------------|-----------|-------------|-------------------|----------------|--------------|----------------|--------------|------------------------------|
| 2-lamp T5 High Efficiency ballasts | | | | | | | | | | | | |
| 68993 | GE228MVPS-MC | 2 or 1 - F14-F35HE 120 to 277 UltraStart® PRS Normal Light 0.95 BF Mini Can | 120-277 | 2 | F14T5/WM | 32 | 0.27/0.13 | 0.99 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F14T5/HE | 34 | 0.29/0.14 | 1.03 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F21T5/WM | 45 | 0.38/0.18 | 1.01 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F21T5/HE | 48 | 0.40/0.18 | 1.01 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F28T5WM | 57/58 | 0.48/0.21 | 0.95 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F28T5HE | 60/59 | 0.50/0.23 | 0.95 | >0.99 | <10% | 1.6 | 5°F |
| | | | | 2 | F28T5HL | 60/60 | 0.50/0.24 | 0.96 | >0.99 | <10% | 1.6 | 5°F |
| | | | | 2 | F35T5WM | 70/69 | 0.59/0.26 | 0.94 | >0.99 | <9% | 1.6 | 5°F |
| | | | | 2 | F35T5HE | 74/73 | 0.62/0.27 | 0.95 | >0.99 | <9% | 1.7 | 5°F |
| | | | | 2 | F14T5/WM | 38 | 0.32/0.15 | 1.17 | >0.91 | <10% | 1.5 | 5°F |
| 68994 | GE228MVPS-MC-H | 2 or 1-F14-F35HE 120-277 UltraStart® PRS High Light 1.15 BF Mini Can | 120-277 | 2 | F14T5/HE | 40 | 0.34/0.16 | 1.18 | >0.92 | <9% | 1.5 | 5°F |
| | | | | 2 | F21T5/WM | 57/56 | 0.47/0.21 | 1.17 | >0.95 | <8% | 1.5 | 5°F |
| | | | | 2 | F21T5/HE | 57/56 | 0.47/0.21 | 1.17 | >0.90 | <8% | 1.5 | 5°F |
| | | | | 2 | F28T5WM | 68/67 | 0.57/0.25 | 1.16 | >0.96 | <10% | 1.5 | 5°F |
| | | | | 2 | F28T5HE | 72/70 | 0.60/0.25 | 1.16 | >0.97 | <10% | 1.6 | 5°F |
| | | | | 2 | F28T5HL | 72/70 | 0.60/0.25 | 1.16 | >0.97 | <10% | 1.6 | 5°F |

T5 High Output 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 |
|---|------------------|---|------------|------------|---------------|-------------|-------------------|----------------|--------------|----------------|--------------|------------------------------|
| 4-lamp T5 High Output ballasts | | | | | | | | | | | | |
| 77114 | GE454MVPS90-E | 4-1 - F54T5HO 120-277V UltraStart® High Temp | 120-277 | 4 | F54T5/47W | 206/202 | 1.85/0.79 | 1.00 | >0.98 | <8% | 1.4 | 32°F |
| | | | | 4 | F54T5/WM(51W) | 214/210 | 1.79/0.78 | 1.00 | >0.98 | <8% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 220/216 | 1.84/0.80 | 1.00 | >0.98 | <8% | 1.4 | -20°F |
| 67566 | GE454MVPS90-F | 4-1 - F54T5HO 120-277V UltraStart® High Temp | 120-277 | 4 | F54T5/47W | 206/202 | 1.85/0.79 | 1.00 | >0.98 | <8% | 1.4 | 32°F |
| | | | | 4 | F54T5/WM(51W) | 214/210 | 1.79/0.78 | 1.00 | >0.98 | <8% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 220/216 | 1.84/0.80 | 1.00 | >0.98 | <8% | 1.4 | -20°F |
| 73192 | GE454MVPS90-G | 4-1 - F54T5HO 120-277V UltraStart® High Temp with Bi-Level Switching | 120-277 | 4 | F54T5/47W | 206/201 | 1.82/0.77 | 1.00 | >0.98 | <7% | 1.6 | 32°F |
| | | | | 4 | F54T5/WM(51W) | 214/210 | 1.79/0.78 | 1.00 | >0.98 | <7% | 1.6 | 5°F |
| | | | | 4 | F54T5/HO | 220/216 | 1.84/0.80 | 1.00 | >0.98 | <7% | 1.6 | 5°F |
| 62730 | GE454PS347/480-E | 4-1 - F54T5HO 347/480V UltraStart® High Temp | 347-480 | 4 | F54T5/47W | 206 | 0.63/0.44 | 1.00 | >0.98 | <7% | 1.4 | -20°F |
| | | | | 4 | F54T5/WM(51W) | 219/218 | 0.65/0.47 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 229 | 0.68/0.49 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| 62731 | GE454PS347-E | 4-1 - F54T5HO 347V UltraStart® High Temp | 347 | 4 | F54T5/47W | 229 | 0.68 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| | | | | 4 | F54T5/WM(51W) | 219 | 0.65 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 206 | 0.63 | 1.00 | >0.98 | <7% | 1.4 | -20°F |
| 2- and 1-lamp High Output ballasts | | | | | | | | | | | | |
| 67562 | GE254MVPS-A | 2-1 - F54T5HO 120-277V UltraStart® High Temp with lead wires | 120-277 | 2 | F54T5/47W | 105/103 | 0.38/0.23 | 1.00 | >0.96 | <14% | 1.4 | 0°F |
| | | | | 2 | F54T5/WM(51W) | 109/107 | 0.40/0.25 | 1.00 | >0.96 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 117/114 | 0.42/0.26 | 1.00 | >0.96 | <10% | 1.4 | -20°F |
| 62728 | GE254PS347/480-E | 2-1 - F54T5HO 347/480V UltraStart® High Temp with lead wires | 347-480 | 2 | F54T5/47W | 104 | 0.31/0.22 | 1.00 | >0.95 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/WM(51W) | 113 | 0.31/0.23 | 1.00 | >0.95 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 118 | 0.32/0.26 | 1.00 | >0.95 | <8% | 1.4 | -20°F |
| 62729 | GE254PS347-F | 2-1 - F54T5HO 347V UltraStart® High Temp with lead wires | 347 | 2 | F54T5/47W | 104 | 0.31 | 1.00 | >0.97 | <7% | 1.4 | 0°F |
| | | | | 2 | F54T5/WM(51W) | 107 | 0.31 | 1.00 | >0.97 | <7% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 118 | 0.36 | 1.00 | >0.97 | <7% | 1.4 | -20°F |
| 72279 | GE254MVPS-D | 2-1 - F54T5HO 120-277V UltraStart® low profile with no lead wires | 120-277 | 2 | F54T5/47W | 106/105 | 0.93/0.40 | 1.00 | >0.97 | <8% | 1.4 | 32°F |
| | | | | 2 | F54T5/WM(51W) | 112/111 | 0.94/0.41 | 1.00 | >0.97 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 119/117 | 0.99/0.43 | 1.00 | >0.97 | <8% | 1.4 | -20°F |
| 47540 | B239PUNV-DOG1C | 2 lamp F39T5HO 120-277 PRS 120-277 | 120-277 | 2 | F39T5/HO | 88/89 | 0.75/0.32 | 1.11 | >0.98 | <10% | 1.7 | 0°F |
| 68976 | GE224MVPS-N | 2 or 1 F24T5HO 1 F39T5/HO 120-277 UltraStart® Normal Light 1.0BF Mini Can | 120-277 | 2 | F24T5HO | 53/52 | 0.45/0.19 | 1.00 | >0.98 | <10% | 1.7 | 0°F |
| 72280 | GE180MVPS-D | 1 lamp F80T5 120-277 PRS D Can | 120-277 | 1 | F80T5HO | 41/40 | 0.34/0.15 | 0.90 | >0.98 | <10% | 1.7 | 0°F |
| | | | | | | 93/91 | 0.78/0.34 | 1.08/1.11 | >0.98 | <8% | 1.6 | -20°F |

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Get more information at
GELighting.com/LFL



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
- Access to our national service network

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.

| Linear fluorescent lamp | Lamp warranty on GE ballasts | | |
|--|---|--|-----------------------------|
| | 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 |
| F28WT5/HL | 3 years | - | 5 years |
| F14T5/WM; F21T5/WM; F28T5/WM; F35T5/WM | 3.5 years | - | 5 years |
| F14T5HE; F21T5HE; F28T5HE; F35T5HE; F24T5HO; F54T5/WM; F54T5/47W; F39T5HO; F80T5HO | 4 years | - | 5 years |
| F54T5/XL | 5 years | - | 5 years |

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For complete warranty information, visit
[GELighting.com/Warranty](https://www.gelighting.com/Warranty)

Experience efficiency and energy savings the moment you turn on GE T5 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 T5 linear fluorescent systems that are long-lasting and smart for your budget. Not only do workers have more time to get their jobs done, you experience the financial benefits of environmentally-sound lighting.

Our T5 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.

ecomaginationSM

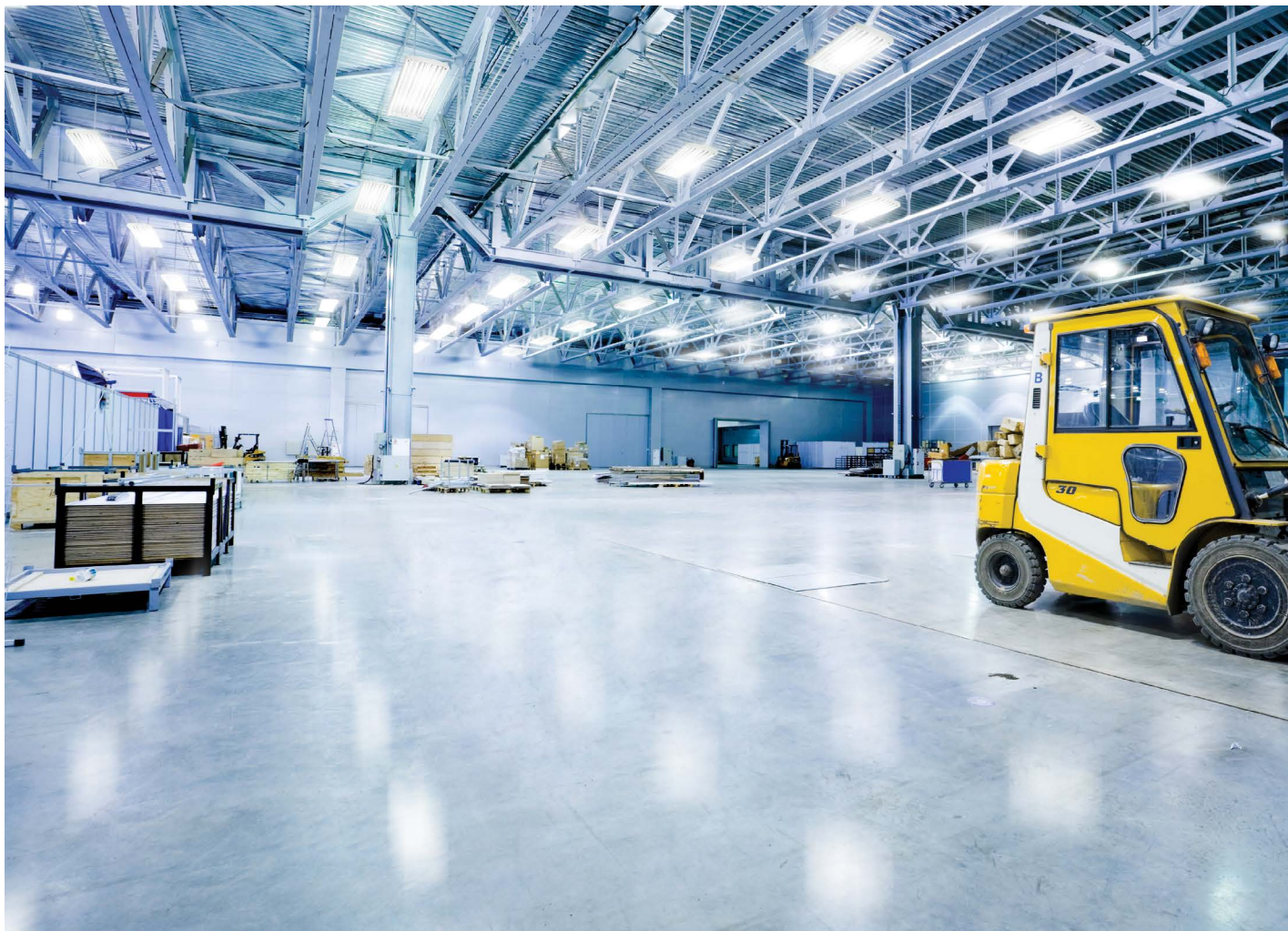


imagination at work

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GE
Lighting

maximize



GE energy-efficient T5 linear fluorescent systems



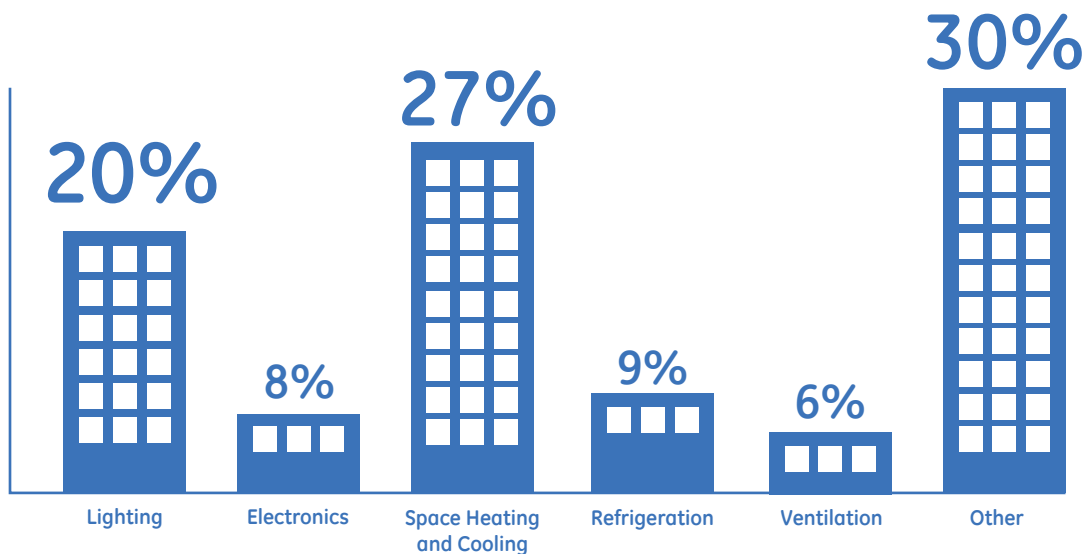
imagination at work

a bright way to improve efficiency

Your business is valuable. And when workers have to take time out of the day to climb scaffolds and change 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 usage.



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 ecomaginationSM initiatives, GE offers expansive online resources and tools to help businesses navigate the ever-changing market landscape.

did you know?

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

At gelighting.com, you can find:

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

compliant

a smart choice

GE T5 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® 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



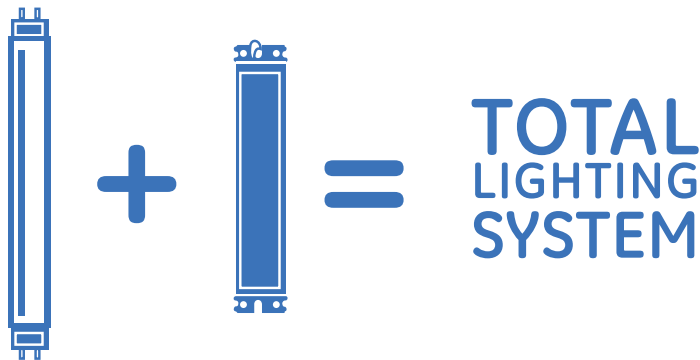


conformance directive

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 T5 lamp and ballast options offer full system solutions that meet the material restriction requirements of RoHS relating to those substances.

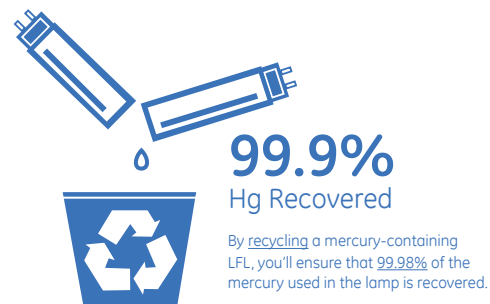


reduce, recover, recycle

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.



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

elevate

comprehensive solutions

GE offers a complete range of High Efficiency and High Output T5 lamp options. High Efficiency lamps deliver over 100 lumens per watt, giving you more light while using less energy. High Output lamps are an energy-efficient solution designed to produce the maximum amount of light.

High Efficiency and High Output T5 systems

| | High Efficiency systems | High Output systems |
|---------------------------------|---|---|
| Benefits | <ul style="list-style-type: none"> • Smaller lamp profile allows for more aesthetic fixtures • Low operating costs • Ability to meet light needs with less glare | <ul style="list-style-type: none"> • Maximum light output • Lower maintenance costs and extend re-lamp cycles with longer life • Energy saving alternative to HID fixtures |
| When to use | <ul style="list-style-type: none"> • Ideal for indirect lighting applications • Low ceiling heights requiring less foot candles • Areas sensitive to glare | <ul style="list-style-type: none"> • Higher ceiling heights that require maximum light output |
| Common application/space | <ul style="list-style-type: none"> • Office buildings • Commercial spaces with lower ceilings | <ul style="list-style-type: none"> • High bay, industrial, warehouse facilities • Replace HID fixtures |
| Efficiency | <ul style="list-style-type: none"> • 112 lumens per watt (LPW) | <ul style="list-style-type: none"> • 102 lumens per watt (LPW) |
| Rated life | <ul style="list-style-type: none"> • 36,000 hours | <ul style="list-style-type: none"> • \geq to 60,000 hours |

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where quality meets innovation

GE T5 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 T5 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.



customize

variety you can rely on

GE T5 lamps are available in both High Efficiency and High Output technologies, ensuring that no matter what type of light you need, we have you covered.

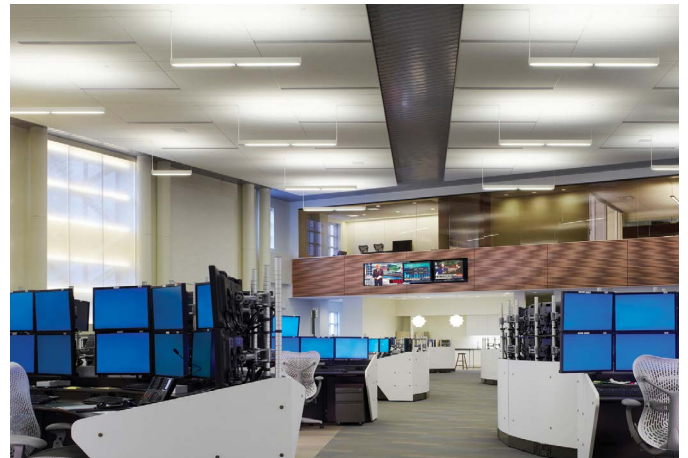
The charts below show GE's T5 product offering, including standard lamps, Watt-Miser® lamps and covRguard® lamps in both High Efficiency and High Output categories.

High Efficiency

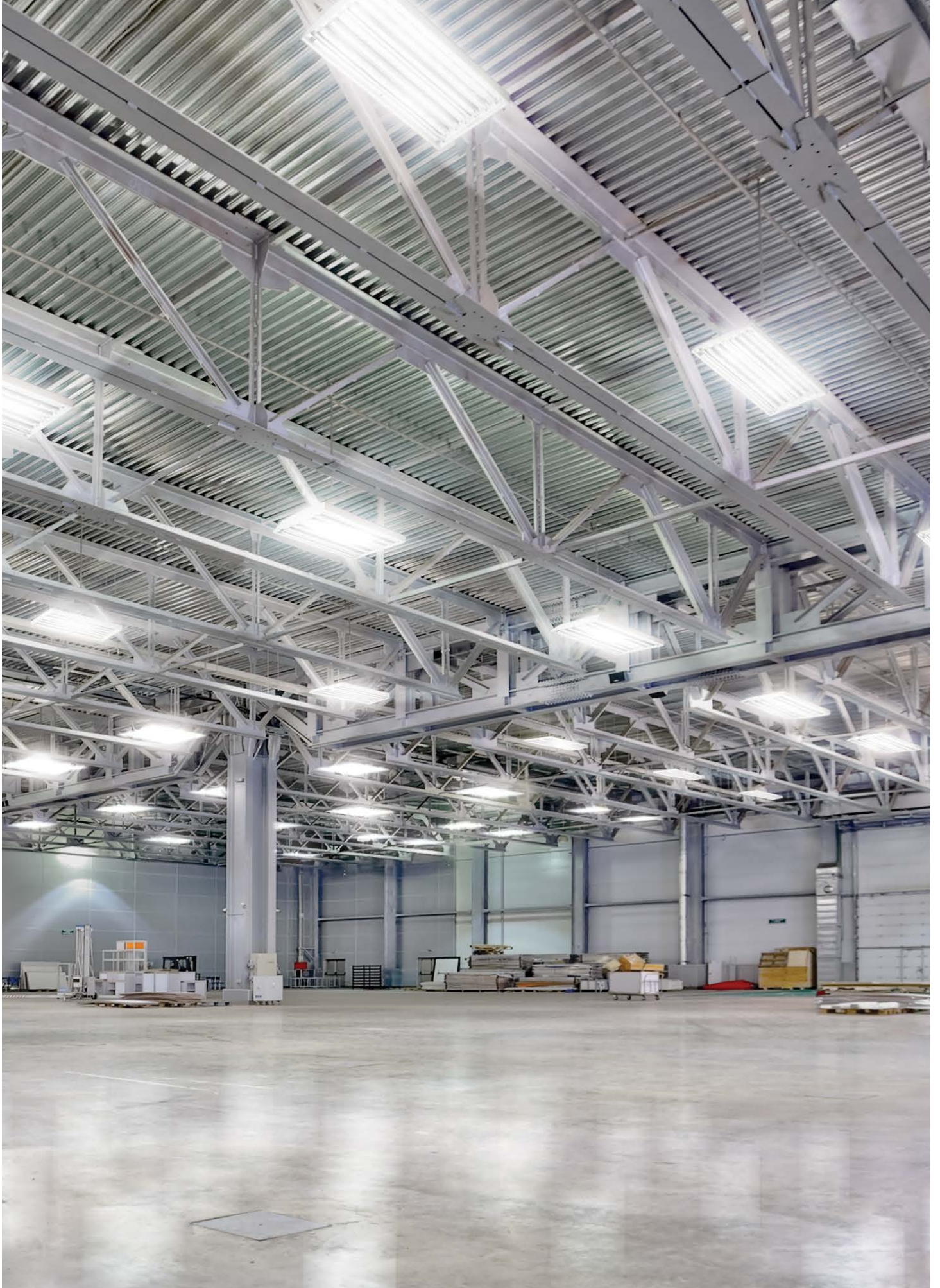
| Length | Standard High Efficiency lamps | Watt-Miser® High Efficiency lamps | covRguard® High Efficiency lamps |
|--------|--------------------------------|-----------------------------------|----------------------------------|
| 2' | 14W | 13W | 14W |
| 3' | 21W | 20W | — |
| 4' | 28W | 26W | 28W |
| 4' | 28W (high lumen) | — | — |
| 5' | 35W | 33W | — |

High Output

| Length | Standard High Output lamps | Watt-Miser® High Output lamps | covRguard® High Output lamps |
|--------|----------------------------|-------------------------------|------------------------------|
| 2' | 24W | — | 24W |
| 3' | 39W | — | 39W |
| 4' | 54W | 47W, 51W | 51W, 54W |
| 4' | 54W | 54W XL (extra-life) | 47W |
| 4' | 54W XL (extra-life) | — | — |
| 5' | 80W | — | — |



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exceed

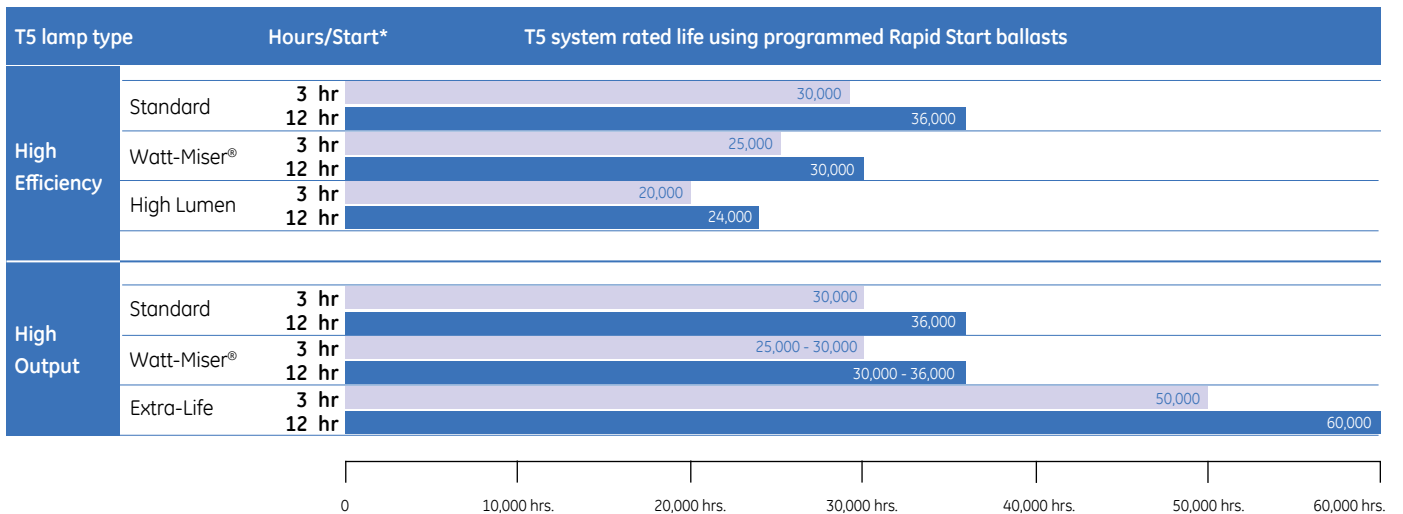
start right

UltraStart® is a family of High Efficiency GE programmed Rapid Start ballasts with parallel operation and fast starting. They are specifically designed to optimize the performance of GE T5 lamps, providing over 100,000 starts before 50 percent lamp failure. That means your lamps last longer, and your systems remain efficient.

did you know?

In 1939, GE showcased the first fluorescent ballast at the World's Fair in New York City.

T5 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.



the UltraStart® family

This feature-rich new generation of programmed start ballasts offer longer life in frequently switched applications common with use of sensors.

UltraStart® ballast benefits and features

| | Benefits | Features | UltraStart® |
|-----------------------|---|------------------------------|-------------|
| Energy savings | <ul style="list-style-type: none"> • Ballast consumes <10% of the total system power | High Efficiency (>90%) | ✓ |
| | <ul style="list-style-type: none"> • Cuts unneeded power to lamp filaments • Operates at instant-start high-efficiency levels | Continuous cathode cutout | ✓ |
| Lamp life | <ul style="list-style-type: none"> • Recommended with sensors • Extends lamp life and warranty | Programmed start | ✓ |
| | <ul style="list-style-type: none"> • ANSI requirements <1.7 (A crest factor of 1.41 or less is optimal to extend lamp life) | Current crest factor | <1.7 |
| | <ul style="list-style-type: none"> • If one lamp fails, others remain lit • Reduces spot re-lamping by 50%, group re-lamping by 15% | Parallel lamp operation | ✓ |
| Performance | <ul style="list-style-type: none"> • Simplifies installation, adapting to any voltage from 108V to 305V | Multi-voltage technology | ✓ |
| | <ul style="list-style-type: none"> • Eliminates maintenance issues caused by striating or spiraling lamps | Anti-striation control | ✓ |
| | <ul style="list-style-type: none"> • Important with sensors • Provides needed convenience | Fast starting time | <700ms |
| | <ul style="list-style-type: none"> • High-performance starting with F54T5HO lamps in cold temperatures | Minimum starting temperature | 0°F |
| | <ul style="list-style-type: none"> • Maintains 5-year warranty even in high ambient (55°C) applications | UltraCool™ certification | ✓ |

| LENGTH | NOMINAL LENGTH (IN) | WATTS | PRODUCT CODE | DESCRIPTION | CASE QTY | RATED LIFE (3 HRS/START)* | RATED LIFE (12 HRS/START)* | INITIAL LUMENS^ | MEAN LUMENS^ | COLOR TEMP (K) | CRI |
|--------------------|---------------------|-------|--------------|---------------------|----------|---------------------------|----------------------------|-----------------|--------------|----------------|-----|
| Standard | | | | | | | | | | | |
| 2' | 22 | 14 | 31590 | F14W/T5/830/ECO | 40 | 30,000 | 36,000 | 1,350 | 1,240 | 3,000 | 85 |
| | 22 | 14 | 46671 | F14W/T5/835/ECO | 40 | 30,000 | 36,000 | 1,350 | 1,240 | 3,500 | 85 |
| | 22 | 14 | 46673 | F14W/T5/841/ECO | 40 | 30,000 | 36,000 | 1,350 | 1,240 | 4,100 | 85 |
| | 22 | 14 | 46674 | F14W/T5/850/ECO | 40 | 30,000 | 36,000 | 1,300 | 1,190 | 5,000 | 85 |
| | 22 | 14 | 46676 | F14W/T5/865/ECO | 40 | 30,000 | 36,000 | 1,250 | 1,150 | 6,500 | 85 |
| 3' | 33 | 21 | 46677 | F21W/T5/830/ECO | 40 | 30,000 | 36,000 | 2,100 | 1,930 | 3,000 | 85 |
| | 33 | 21 | 46684 | F21W/T5/835/ECO | 40 | 30,000 | 36,000 | 2,100 | 1,930 | 3,500 | 85 |
| | 33 | 21 | 46687 | F21W/T5/841/ECO | 40 | 30,000 | 36,000 | 2,100 | 1,930 | 4,100 | 85 |
| | 33 | 21 | 46688 | F21W/T5/850/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 5,000 | 85 |
| | 33 | 21 | 46689 | F21W/T5/865/ECO | 40 | 30,000 | 36,000 | 1,950 | 1,790 | 6,500 | 85 |
| 4' | 45 | 28 | 46704 | F28W/T5/830/ECO | 40 | 30,000 | 36,000 | 2,900 | 2,660 | 3,000 | 85 |
| | 45 | 28 | 46705 | F28W/T5/835/ECO | 40 | 30,000 | 36,000 | 2,900 | 2,660 | 3,500 | 85 |
| | 45 | 28 | 46706 | F28W/T5/841/ECO | 40 | 30,000 | 36,000 | 2,900 | 2,660 | 4,100 | 85 |
| | 45 | 28 | 46707 | F28W/T5/850/ECO | 40 | 30,000 | 36,000 | 2,750 | 2,530 | 5,000 | 85 |
| | 45 | 28 | 46708 | F28W/T5/865/ECO | 40 | 30,000 | 36,000 | 2,700 | 2,480 | 6,500 | 85 |
| 5' | 57 | 35 | 46724 | F35W/T5/830/ECO | 40 | 30,000 | 36,000 | 3,650 | 3,350 | 3,000 | 85 |
| | 57 | 35 | 46727 | F35W/T5/835/ECO | 40 | 30,000 | 36,000 | 3,650 | 3,350 | 3,500 | 85 |
| | 57 | 35 | 46735 | F35W/T5/841/ECO | 40 | 30,000 | 36,000 | 3,650 | 3,350 | 4,100 | 85 |
| | 57 | 35 | 46742 | F35W/T5/850/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 5,000 | 85 |
| | 57 | 35 | 46743 | F35W/T5/865/ECO | 40 | 30,000 | 36,000 | 3,400 | 3,120 | 6,500 | 85 |
| High lumen | | | | | | | | | | | |
| 4' | 45 | 28 | 71652 | F28W/T5/830/HL/ECO | 40 | 20,000 | 24,000 | 3,050 | 2,810 | 3,000 | 85 |
| | 45 | 28 | 71653 | F28W/T5/835/HL/ECO | 40 | 20,000 | 24,000 | 3,050 | 2,810 | 3,500 | 85 |
| | 45 | 28 | 71654 | F28W/T5/841/HL/ECO | 40 | 20,000 | 24,000 | 3,050 | 2,810 | 4,100 | 85 |
| | 45 | 28 | 71655 | F28W/T5/850/HL/ECO | 40 | 20,000 | 24,000 | 2,900 | 2,670 | 5,000 | 85 |
| | 45 | 28 | 71656 | F28W/T5/865/HL/ECO | 40 | 20,000 | 24,000 | 2,850 | 2,620 | 6,500 | 85 |
| Watt-Miser® | | | | | | | | | | | |
| 2' | 22 | 13 | 71632 | F14T5/830/WM/ECO | 40 | 25,000 | 30,000 | 1,350 | 1,240 | 3,000 | 85 |
| | 22 | 13 | 71633 | F14T5/835/WM/ECO | 40 | 25,000 | 30,000 | 1,350 | 1,240 | 3,500 | 85 |
| | 22 | 13 | 71634 | F14T5/841/WM/ECO | 40 | 25,000 | 30,000 | 1,350 | 1,240 | 4,100 | 85 |
| | 22 | 13 | 71635 | F14T5/850/WM/ECO | 40 | 25,000 | 30,000 | 1,300 | 1,190 | 5,000 | 85 |
| | 22 | 13 | 71636 | F14T5/865/WM/ECO | 40 | 25,000 | 30,000 | 1,250 | 1,150 | 6,500 | 85 |
| 3' | 33 | 20 | 71637 | F21T5/830/WM/ECO | 40 | 25,000 | 30,000 | 2,100 | 1,930 | 3,000 | 85 |
| | 33 | 20 | 71638 | F21T5/835/WM/ECO | 40 | 25,000 | 30,000 | 2,100 | 1,930 | 3,500 | 85 |
| | 33 | 20 | 71639 | F21T5/841/WM/ECO | 40 | 25,000 | 30,000 | 2,100 | 1,930 | 4,100 | 85 |
| | 33 | 20 | 71640 | F21T5/850/WM/ECO | 40 | 25,000 | 30,000 | 2,000 | 1,840 | 5,000 | 85 |
| | 33 | 20 | 71641 | F21T5/865/WM/ECO | 40 | 25,000 | 30,000 | 1,950 | 1,790 | 6,500 | 85 |
| 4' | 45 | 26 | 71642 | F28T5/830/WM/ECO | 40 | 25,000 | 30,000 | 2,900 | 2,660 | 3,000 | 85 |
| | 45 | 26 | 71643 | F28T5/835/WM/ECO | 40 | 25,000 | 30,000 | 2,900 | 2,660 | 3,500 | 85 |
| | 45 | 26 | 71644 | F28T5/841/WM/ECO | 40 | 25,000 | 30,000 | 2,900 | 2,660 | 4,100 | 85 |
| | 45 | 26 | 71645 | F28T5/850/WM/ECO | 40 | 25,000 | 30,000 | 2,750 | 2,530 | 5,000 | 85 |
| | 45 | 26 | 71646 | F28T5/865/WM/ECO | 40 | 25,000 | 30,000 | 2,700 | 2,480 | 6,500 | 85 |
| 5' | 57 | 33 | 71647 | F35T5/830/WM/ECO | 40 | 25,000 | 30,000 | 3,650 | 3,350 | 3,000 | 85 |
| | 57 | 33 | 71648 | F35T5/835/WM/ECO | 40 | 25,000 | 30,000 | 3,650 | 3,350 | 3,500 | 85 |
| | 57 | 33 | 71649 | F35T5/841/WM/ECO | 40 | 25,000 | 30,000 | 3,650 | 3,350 | 4,100 | 85 |
| | 57 | 33 | 71650 | F35T5/850/WM/ECO | 40 | 25,000 | 30,000 | 3,500 | 3,220 | 5,000 | 85 |
| | 57 | 33 | 71651 | F35T5/865/WM/ECO | 40 | 25,000 | 30,000 | 3,400 | 3,120 | 6,500 | 85 |
| covRguard® | | | | | | | | | | | |
| 2' | 22 | 14 | 73194 | F14W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 1,310 | 1,200 | 3,000 | 85 |
| | 22 | 14 | 73195 | F14W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 1,310 | 1,200 | 3,500 | 85 |
| 4' | 45 | 28 | 81546 | F28W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 2,813 | 2,672 | 3,000 | 85 |
| | 45 | 28 | 81547 | F28W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 2,813 | 2,672 | 3,500 | 85 |
| | 45 | 28 | 81548 | F28W/T5/841/ECO/CVG | 40 | 30,000 | 36,000 | 2,813 | 2,672 | 4,100 | 85 |
| | 45 | 28 | 81549 | F28W/T5/850/ECO/CVG | 40 | 30,000 | 36,000 | 2,667 | 2,534 | 5,000 | 85 |
| | 45 | 28 | 81550 | F28W/T5/865/ECO/CVG | 40 | 30,000 | 36,000 | 2,319 | 2,488 | 6,500 | 85 |

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.
 ^T5 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95° F (35° C).
 Note: All T5 lamps included in product charts have a Miniature Bi-Pin (G5) base.

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| LENGTH | NOMINAL LENGTH (IN) | WATTS | PRODUCT CODE | DESCRIPTION | CASE QTY | RATED LIFE (3 HRS/START)* | RATED LIFE (12 HRS/START)* | INITIAL LUMENS^ | MEAN LUMENS^ | COLOR TEMP (K) | CRI |
|------------------------------------|---------------------|-------|--------------|----------------------|----------|---------------------------|----------------------------|-----------------|--------------|----------------|-----|
| Standard | | | | | | | | | | | |
| 2' | 22 | 24 | 46699 | F24W/T5/830/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 3,000 | 85 |
| | 22 | 24 | 46700 | F24W/T5/835/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 3,500 | 85 |
| | 22 | 24 | 46701 | F24W/T5/841/ECO | 40 | 30,000 | 36,000 | 2,000 | 1,840 | 4,100 | 85 |
| | 22 | 24 | 46702 | F24W/T5/850/ECO | 40 | 30,000 | 36,000 | 1,900 | 1,740 | 5,000 | 85 |
| | 22 | 24 | 46703 | F24W/T5/865/ECO | 40 | 30,000 | 36,000 | 1,880 | 1,740 | 6,500 | 85 |
| 3' | 33 | 39 | 46744 | F39W/T5/830/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 3,000 | 85 |
| | 33 | 39 | 46745 | F39W/T5/835/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 3,500 | 85 |
| | 33 | 39 | 46746 | F39W/T5/841/ECO | 40 | 30,000 | 36,000 | 3,500 | 3,220 | 4,100 | 85 |
| | 33 | 39 | 46747 | F39W/T5/850/ECO | 40 | 30,000 | 36,000 | 3,350 | 3,080 | 5,000 | 85 |
| | 33 | 39 | 46748 | F39W/T5/865/ECO | 40 | 30,000 | 36,000 | 3,330 | 3,060 | 6,500 | 85 |
| 4' | 45 | 54 | 46759 | F54W/T5/830/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,000 | 85 |
| | 45 | 54 | 46760 | F54W/T5/835/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,500 | 85 |
| | 45 | 54 | 46761 | F54W/T5/841/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 4,100 | 85 |
| | 45 | 54 | 46762 | F54W/T5/850/ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 5,000 | 85 |
| | 45 | 54 | 46763 | F54W/T5/865/ECO | 40 | 30,000 | 36,000 | 4,750 | 4,370 | 6,500 | 85 |
| 5' | 57 | 80 | 46802 | F80W/T5/830/ECO | 40 | 30,000 | 36,000 | 7,000 | 6,440 | 3,000 | 85 |
| | 57 | 80 | 46803 | F80W/T5/835/ECO | 40 | 30,000 | 36,000 | 7,000 | 6,440 | 3,500 | 85 |
| | 57 | 80 | 46804 | F80W/T5/841/ECO | 40 | 30,000 | 36,000 | 7,000 | 6,440 | 4,100 | 85 |
| | 57 | 80 | 46805 | F80W/T5/850/ECO | 40 | 30,000 | 36,000 | 6,700 | 6,160 | 5,000 | 85 |
| | 57 | 80 | 46806 | F80W/T5/865/ECO | 40 | 30,000 | 36,000 | 6,650 | 6,110 | 6,500 | 85 |
| Watt-Miser® | | | | | | | | | | | |
| 4' | 45 | 51 | 71627 | F54T5/830/WM/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,000 | 85 |
| | 45 | 51 | 71628 | F54T5/835/WM/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 3,500 | 85 |
| | 45 | 51 | 71629 | F54T5/841/WM/ECO | 40 | 30,000 | 36,000 | 5,000 | 4,600 | 4,100 | 85 |
| | 45 | 51 | 71630 | F54T5/850/WM/ECO | 40 | 30,000 | 36,000 | 4,790 | 4,410 | 5,000 | 85 |
| | 45 | 51 | 71631 | F54T5/865/WM/ECO | 40 | 30,000 | 36,000 | 4,750 | 4,370 | 6,500 | 85 |
| 4' | 45 | 47 | 62020 | F54T5/47W/830ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 3,000 | 84 |
| | 45 | 47 | 62021 | F54T5/47W/835ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 3,500 | 84 |
| | 45 | 47 | 62022 | F54T5/47W/841ECO | 40 | 30,000 | 36,000 | 4,800 | 4,410 | 4,100 | 84 |
| | 45 | 47 | 62023 | F54T5/47W/850ECO | 40 | 30,000 | 36,000 | 4,600 | 4,230 | 5,000 | 84 |
| | 45 | 47 | 62024 | F54T5/47W/865ECO | 40 | 30,000 | 36,000 | 4,550 | 4,180 | 6,500 | 84 |
| Extra-Life | | | | | | | | | | | |
| 4' | 45 | 54 | 68836 | F54T5/XL/830/ECO | 40 | 50,000 | 60,000 | 5,000 | 4,600 | 3,000 | 84 |
| | 45 | 54 | 68837 | F54T5/XL/835/ECO | 40 | 50,000 | 60,000 | 5,000 | 4,600 | 3,500 | 84 |
| | 45 | 54 | 68838 | F54T5/XL/841/ECO | 40 | 50,000 | 60,000 | 5,000 | 4,600 | 4,100 | 84 |
| | 45 | 54 | 68839 | F54T5/XL/850/ECO | 40 | 50,000 | 60,000 | 4,800 | 4,410 | 5,000 | 84 |
| | 45 | 54 | 68840 | F54T5/XL/865/ECO | 40 | 50,000 | 60,000 | 4,750 | 4,370 | 6,500 | 84 |
| covRguard® | | | | | | | | | | | |
| 2' | 22 | 24 | 71000 | F24W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 1,950 | 1,853 | 3,000 | 85 |
| | 22 | 24 | 70998 | F24W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 1,950 | 1,853 | 3,500 | 85 |
| | 22 | 24 | 70997 | F24W/T5/841/ECO/CVG | 40 | 30,000 | 36,000 | 1,950 | 1,853 | 4,100 | 85 |
| | 22 | 24 | 70999 | F24W/T5/850/ECO/CVG | 40 | 30,000 | 36,000 | 1,850 | 1,758 | 5,000 | 85 |
| | 22 | 24 | 70996 | F24W/T5/865/ECO/CVG | 40 | 30,000 | 36,000 | 1,800 | 1,710 | 6,500 | 85 |
| 3' | 33 | 39 | 70995 | F39W/T5/830/ECO/CVG | 40 | 30,000 | 36,000 | 3,400 | 3,230 | 3,000 | 85 |
| | 33 | 39 | 70994 | F39W/T5/835/ECO/CVG | 40 | 30,000 | 36,000 | 3,400 | 3,230 | 3,500 | 85 |
| | 33 | 39 | 70993 | F39W/T5/841/ECO/CVG | 40 | 30,000 | 36,000 | 3,400 | 3,230 | 4,100 | 85 |
| | 33 | 39 | 70990 | F39W/T5/865/ECO/CVG | 40 | 30,000 | 36,000 | 3,250 | 3,040 | 6,500 | 85 |
| 4' | 45 | 54 | 48433 | F54T5/830/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 3,000 | 85 |
| | 45 | 54 | 48436 | F54T5/835/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 3,500 | 85 |
| | 45 | 54 | 48458 | F54T5/841/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 4,100 | 85 |
| | 45 | 54 | 80311 | F54T5/850/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,650 | 4,370 | 5,000 | 85 |
| | 45 | 54 | 48469 | F54T5/865/HO/ECO/CVG | 40 | 30,000 | 36,000 | 4,650 | 4,320 | 6,500 | 85 |
| Watt-Miser® with covRguard® | | | | | | | | | | | |
| 4' | 45 | 51 | 72986 | F54T5/835/WM/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 3,500 | 85 |
| | 45 | 51 | 72987 | F54T5/841/WM/ECO/CVG | 40 | 30,000 | 36,000 | 4,850 | 4,560 | 4,100 | 85 |
| | 45 | 51 | 72988 | F54T5/850/WM/ECO/CVG | 40 | 30,000 | 36,000 | 4,650 | 4,370 | 5,000 | 85 |
| | 45 | 47 | 65106 | F54T5/47W/841CVG | 40 | 30,000 | 36,000 | 4,728 | 4,343 | 4,100 | 84 |
| | 45 | 47 | 65107 | F54T5/47W/850CVG | 40 | 30,000 | 36,000 | 4,531 | 4,167 | 5,000 | 84 |
| Cold temperature | | | | | | | | | | | |
| 4' | 45 | 54 | 81522 | F54T5/841/CT | 36 | 30,000 | 36,000 | 4,500 | 4,275 | 4,100 | 85 |

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*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.
 ^T5 Starcoat® Ecolux® lamp initial and mean lumen ratings reflect light output at 95° F (35° C).
 Note: All T5 lamps included in product charts have a Miniature Bi-Pin (G5) base.

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14 T5 High Efficiency 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 |
|---|----------------|---|------------|------------|-----------|-------------|-------------------|----------------|--------------|----------------|--------------|------------------------------|
| 2-lamp T5 High Efficiency ballasts | | | | | | | | | | | | |
| 68993 | GE228MVPS-MC | 2 or 1 - F14-F35HE 120 to 277 UltraStart® PRS Normal Light 0.95 BF Mini Can | 120-277 | 2 | F14T5/WM | 32 | 0.27/0.13 | 0.99 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F14T5/HE | 34 | 0.29/0.14 | 1.03 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F21T5/WM | 45 | 0.38/0.18 | 1.01 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F21T5/HE | 48 | 0.40/0.18 | 1.01 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F28T5WM | 57/58 | 0.48/0.21 | 0.95 | >0.99 | <9% | 1.5 | 5°F |
| | | | | 2 | F28T5HE | 60/59 | 0.50/0.23 | 0.95 | >0.99 | <10% | 1.6 | 5°F |
| | | | | 2 | F28T5HL | 60/60 | 0.50/0.24 | 0.96 | >0.99 | <10% | 1.6 | 5°F |
| | | | | 2 | F35T5WM | 70/69 | 0.59/0.26 | 0.94 | >0.99 | <9% | 1.6 | 5°F |
| | | | | 2 | F35T5HE | 74/73 | 0.62/0.27 | 0.95 | >0.99 | <9% | 1.7 | 5°F |
| | | | | 2 | F14T5/WM | 38 | 0.32/0.15 | 1.17 | >0.91 | <10% | 1.5 | 5°F |
| 68994 | GE228MVPS-MC-H | 2 or 1-F14-F35HE 120-277 UltraStart® PRS High Light 1.15 BF Mini Can | 120-277 | 2 | F14T5/HE | 40 | 0.34/0.16 | 1.18 | >0.92 | <9% | 1.5 | 5°F |
| | | | | 2 | F21T5/WM | 57/56 | 0.47/0.21 | 1.17 | >0.95 | <8% | 1.5 | 5°F |
| | | | | 2 | F21T5/HE | 57/56 | 0.47/0.21 | 1.17 | >0.90 | <8% | 1.5 | 5°F |
| | | | | 2 | F28T5WM | 68/67 | 0.57/0.25 | 1.16 | >0.96 | <10% | 1.5 | 5°F |
| | | | | 2 | F28T5HE | 72/70 | 0.60/0.25 | 1.16 | >0.97 | <10% | 1.6 | 5°F |
| | | | | 2 | F28T5HL | 72/70 | 0.60/0.25 | 1.16 | >0.97 | <10% | 1.6 | 5°F |

T5 High Output 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 |
|---|------------------|---|------------|------------|---------------|-------------|-------------------|----------------|--------------|----------------|--------------|------------------------------|
| 4-lamp T5 High Output ballasts | | | | | | | | | | | | |
| 77114 | GE454MVPS90-E | 4-1 - F54T5HO 120-277V UltraStart® High Temp | 120-277 | 4 | F54T5/47W | 206/202 | 1.85/0.79 | 1.00 | >0.98 | <8% | 1.4 | 32°F |
| | | | | 4 | F54T5/WM(51W) | 214/210 | 1.79/0.78 | 1.00 | >0.98 | <8% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 220/216 | 1.84/0.80 | 1.00 | >0.98 | <8% | 1.4 | -20°F |
| 67566 | GE454MVPS90-F | 4-1 - F54T5HO 120-277V UltraStart® High Temp | 120-277 | 4 | F54T5/47W | 206/202 | 1.85/0.79 | 1.00 | >0.98 | <8% | 1.4 | 32°F |
| | | | | 4 | F54T5/WM(51W) | 214/210 | 1.79/0.78 | 1.00 | >0.98 | <8% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 220/216 | 1.84/0.80 | 1.00 | >0.98 | <8% | 1.4 | -20°F |
| 73192 | GE454MVPS90-G | 4-1 - F54T5HO 120-277V UltraStart® High Temp with Bi-Level Switching | 120-277 | 4 | F54T5/47W | 206/201 | 1.82/0.77 | 1.00 | >0.98 | <7% | 1.6 | 32°F |
| | | | | 4 | F54T5/WM(51W) | 214/210 | 1.79/0.78 | 1.00 | >0.98 | <7% | 1.6 | 5°F |
| | | | | 4 | F54T5/HO | 220/216 | 1.84/0.80 | 1.00 | >0.98 | <7% | 1.6 | 5°F |
| 62730 | GE454PS347/480-E | 4-1 - F54T5HO 347/480V UltraStart® High Temp | 347-480 | 4 | F54T5/47W | 206 | 0.63/0.44 | 1.00 | >0.98 | <7% | 1.4 | -20°F |
| | | | | 4 | F54T5/WM(51W) | 219/218 | 0.65/0.47 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 229 | 0.68/0.49 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| 62731 | GE454PS347-E | 4-1 - F54T5HO 347V UltraStart® High Temp | 347 | 4 | F54T5/47W | 229 | 0.68 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| | | | | 4 | F54T5/WM(51W) | 219 | 0.65 | 1.00 | >0.98 | <7% | 1.4 | 0°F |
| | | | | 4 | F54T5/HO | 206 | 0.63 | 1.00 | >0.98 | <7% | 1.4 | -20°F |
| 2- and 1-lamp High Output ballasts | | | | | | | | | | | | |
| 67562 | GE254MVPS-A | 2-1 - F54T5HO 120-277V UltraStart® High Temp with lead wires | 120-277 | 2 | F54T5/47W | 105/103 | 0.38/0.23 | 1.00 | >0.96 | <14% | 1.4 | 0°F |
| | | | | 2 | F54T5/WM(51W) | 109/107 | 0.40/0.25 | 1.00 | >0.96 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 117/114 | 0.42/0.26 | 1.00 | >0.96 | <10% | 1.4 | -20°F |
| 62728 | GE254PS347/480-E | 2-1 - F54T5HO 347/480V UltraStart® High Temp with lead wires | 347-480 | 2 | F54T5/47W | 104 | 0.31/0.22 | 1.00 | >0.95 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/WM(51W) | 113 | 0.31/0.23 | 1.00 | >0.95 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 118 | 0.32/0.26 | 1.00 | >0.95 | <8% | 1.4 | -20°F |
| 62729 | GE254PS347-F | 2-1 - F54T5HO 347V UltraStart® High Temp with lead wires | 347 | 2 | F54T5/47W | 104 | 0.31 | 1.00 | >0.97 | <7% | 1.4 | 0°F |
| | | | | 2 | F54T5/WM(51W) | 107 | 0.31 | 1.00 | >0.97 | <7% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 118 | 0.36 | 1.00 | >0.97 | <7% | 1.4 | -20°F |
| 72279 | GE254MVPS-D | 2-1 - F54T5HO 120-277V UltraStart® low profile with no lead wires | 120-277 | 2 | F54T5/47W | 106/105 | 0.93/0.40 | 1.00 | >0.97 | <8% | 1.4 | 32°F |
| | | | | 2 | F54T5/WM(51W) | 112/111 | 0.94/0.41 | 1.00 | >0.97 | <8% | 1.4 | 0°F |
| | | | | 2 | F54T5/HO | 119/117 | 0.99/0.43 | 1.00 | >0.97 | <8% | 1.4 | -20°F |
| 47540 | B239PUNV-DOG1C | 2 lamp F39T5HO 120-277 PRS 120-277 | 120-277 | 2 | F39T5/HO | 88/89 | 0.75/0.32 | 1.11 | >0.98 | <10% | 1.7 | 0°F |
| 68976 | GE224MVPS-N | 2 or 1 F24T5HO 1 F39T5/HO 120-277 UltraStart® Normal Light 1.0BF Mini Can | 120-277 | 2 | F24T5HO | 53/52 | 0.45/0.19 | 1.00 | >0.98 | <10% | 1.7 | 0°F |
| 72280 | GE180MVPS-D | 1 lamp F80T5 120-277 PRS D Can | 120-277 | 1 | F80T5HO | 41/40 | 0.34/0.15 | 0.90 | >0.98 | <10% | 1.7 | 0°F |
| 72280 | GE180MVPS-D | 1 lamp F80T5 120-277 PRS D Can | 120-277 | 1 | F80T5HO | 93/91 | 0.78/0.34 | 1.08/1.11 | >0.98 | <8% | 1.6 | -20°F |

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.



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
- Access to our national service network

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.

| Linear fluorescent lamp | Lamp warranty on GE ballasts | | |
|--|---|--|-----------------------------|
| | 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 |
| F28WT5/HL | 3 years | - | 5 years |
| F14T5/WM; F21T5/WM; F28T5/WM; F35T5/WM | 3.5 years | - | 5 years |
| F14T5HE; F21T5HE; F28T5HE; F35T5HE; F24T5HO; F54T5/WM; F54T5/47W; F39T5HO; F80T5HO | 4 years | - | 5 years |
| F54T5/XL | 5 years | - | 5 years |

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For complete warranty information, visit
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