USHIO *Applying Light to Life*



Ultra 8™ T8 Linear Fluorescent

T8 Linear Fluorescent Lamps

USHIO proudly carries a line of fluorescent lamps that include: standard Ultra 8™, Energy Saving and Extended Life T8 series of fluorescent lamps.

Through technological advances and the highest grade components, T8 fluorescent lamps can save up to 40% on energy costs with no loss of light over older technology T12 lamp types. The USHIO Ultra 8 T8 fluorescent series provides an economical as well as environmentally responsible alternative to standard T12 fluorescent lamps.

The Ultra 8 T8 lamps utilize protective coatings, effectively reducing the phosphor degradation while increasing lumen output. Advanced halophosphor and tri-phosphor coatings have been added to increase the lumen stability and allow higher loading.

(800 Series) Tri-Phosphor lamps render colors closer to that of nature. These lamps are most suitable for paint stores, retail shops, clothing boutiques, hair salons, printing businesses and graphic arts studios.

FEATURES & BENEFITS

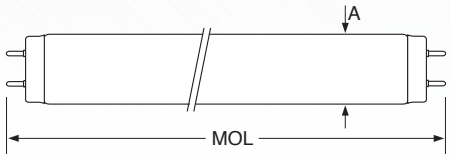
- Select Lamps are TCLP Compliant - Low Mercury Minimizes Effects of Lamp Disposal on the Environment
- Advanced Technology Saves Up to 40% on Energy Costs Over T12 Lamps
- High Color Rendering - Up to 85 CRI
- Improved Light Distribution and Quality
- Environmental Asset - Long Life Prevents the Build Up of Discarded Lamps Which Means Less Waste

APPLICATIONS

- Commercial & Retail Establishments
- Schools
- General Office
- Health Care Facilities

LINEAR FLUORESCENT SPECIFICATIONS

Color Rendering Index:
85 CRI - Tri-Phosphor 800 Series
95 CRI - Tri-Phosphor 900 Series



G13 Base

Sold in Case Quantity Only (25/case)

Watts (W)	Ordering Code	Lamp Description	Dimensions Dia (A)	Dimensions MOL (mm)	Dimensions MOL (in)	Color Temp (K)	Initial Lumens (lm)	Rated Life IS[1] (h)		Rated Life RS/PRS[2] (h)	
		Tri-Phosphor 800 Series[3]									
17	3000231	F17T8/830	1.0	610	24	3000	1400	24000*	30000**	30000*	36000**
17	3000260	F17T8/835	1.0	610	24	3500	1400	24000*	30000**	30000*	36000**
17	3000261	F17T8/841	1.0	610	24	4100	1400	24000*	30000**	30000*	36000**
17	3000262	F17T8/850	1.0	610	24	5000	1350	24000*	30000**	30000*	36000**
25	● 3000263	F25T8/830	1.0	915	36	3000	2250	24000*	30000**	30000*	36000**
25	● 3000264	F25T8/835	1.0	915	36	3500	2250	24000*	30000**	30000*	36000**
25	● 3000265	F25T8/841	1.0	915	36	4100	2250	24000*	30000**	30000*	36000**
25	● 3000266	F25T8/850	1.0	915	36	5000	2150	24000*	30000**	30000*	36000**
28	● 3000484	Ⓔ F28T8/835	1.0	1219	48	3500	2800	24000*	30000**	40000*	42000**
28	● 3000485	Ⓔ F28T8/841	1.0	1219	48	4100	2800	24000*	30000**	40000*	42000**
28	● 3000656	Ⓔ F28T8/850	1.0	1219	48	5000	2725	24000*	30000**	40000*	42000**
32	● 3000099	Ⓔ F32T8/830	1.0	1219	48	3000	3050	24000*	30000**	40000*	42000**
32	● 3000100	Ⓔ F32T8/835	1.0	1219	48	3500	3050	24000*	30000**	40000*	42000**
32	● 3000101	Ⓔ F32T8/841	1.0	1219	48	4100	3050	24000*	30000**	40000*	42000**
32	● 3000102	Ⓔ F32T8/850	1.0	1219	48	5000	2950	24000*	30000**	40000*	42000**
		Tri-Phosphor 800 Series[3] - High Lumen									
32	3000480	Ⓔ F32T8/841/HL	1.0	1219	48	4100	3150	24000*	30000**	40000*	42000**
32	3000524	Ⓔ F32T8/850/HL	1.0	1219	48	5000	3150	24000*	30000**	40000*	42000**
		Tri-Phosphor 900 Series[3]									
32	3000417	Ⓔ F32T8/960	1.0	1219	48	6000	2100	18000*	24000**	24000*	30000**

* Based on ANSI / IESNA standards of 3 hours per start
**Based on estimated commercial operating standards of 12 hours per start

[1] These life ratings are based on operation on instant start ballasts.

[2] These life ratings are based on operation on rapid start or programmed rapid start ballasts.

[3] When using dimmers, dimming systems, or occupancy sensors, the lamp life will also be affected. The dimming system manufacturer can advise the affect of their system on lamp life.

Discontinued - For Reference Only

Ⓔ = This bulb meets US Federal Minimum Efficiency Standard

● TCLP Compliant

⚠ **CALIFORNIA PROPOSITION 65 WARNING:** These products can expose you to Mercury known to the state of California to cause birth defects or other reproductive harm. For more information, please go to: www.p65warnings.ca.gov

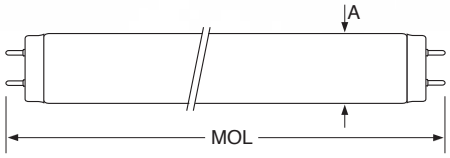
Hg contains mercury
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www.lamprecycle.org 1-800-895-8842

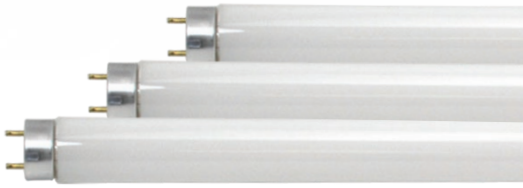
Color Rendering Index:
85 CRI - Tri-Phosphor 800 Series

Energy costs account for the majority of lighting expenses and that illustrates the critical need for high performance and energy efficient lamp products. The Ultra 8 T8 lamps not only operate on high performance ballasts, they also provide the needed energy savings by directly replacing higher wattage 32W T8 lamps on Instant-Start ballast systems.* These tri-phosphor coated lamps provide the lumen stability and quality performance that goes hand-in-hand with dramatic energy savings (up to 22% energy savings vs. standard 32W Ultra 8 T8 lamps).

*This applies to F28T8ES only



G13 Base



Sold in Case Quantity Only (25/case)

Watts (W)	Ordering Code	Lamp Description	Dimensions Dia (A)	Dimensions MOL (mm)	Dimensions MOL (in)	Color Temp (K)	Initial Lumens (lm)	Rated Life IS[1] (h)		Rated Life RS/PRS[2] (h)	
		Tri-Phosphor 800 Series[3] - Energy Saving									
25	● 3000618	Ⓔ F25T8ES/835	1.0	1219	48	3500	2500	24000*	30000**	30000*	36000**
25	● 3000619	Ⓔ F25T8ES/841	1.0	1219	48	4100	2500	24000*	30000**	30000*	36000**
28	● 3000622	Ⓔ F28T8ES/841	1.0	1219	48	4100	2800	24000*	30000**	30000*	36000**

* Based on ANSI / IESNA standards of 3 hours per start
**Based on estimated commercial operating standards of 12 hours per start

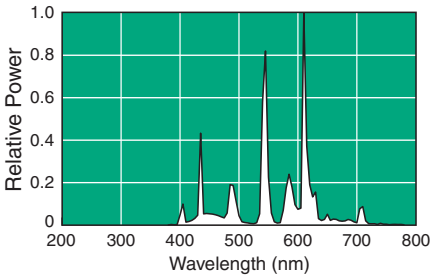
Discontinued - For Reference Only
Ⓔ = This bulb meets US Federal Minimum Efficiency Standard
● TCLP Compliant

[1] These life ratings are based on operation on instant start ballasts.

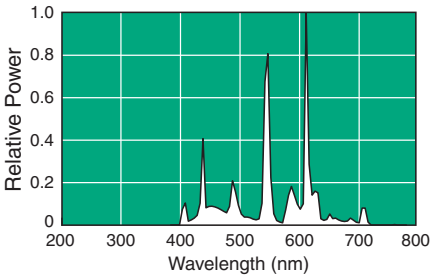
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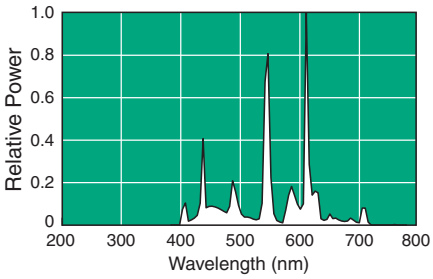
F25T8ES/835



F25T8ES/841



F28T8ES/841



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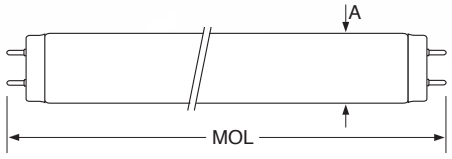
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EXTENDED LIFE LINEAR FLUORESCENT SPECIFICATIONS

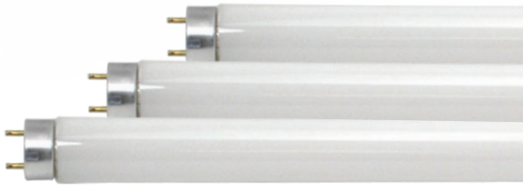
Color Rendering Index:
85 CRI - Tri-Phosphor 800 Series

Extended Life F32T8 lamps offer an average rated life up to 60,000 hours* without sacrificing efficient light output or high color rendering. These lamps are an excellent solution for applications where frequency of lamp changes and cost of ownership are significant factors. Additionally, they reduce mercury use per lumen-hour, which is an important calculation for LEED Green Building Certification.

*When used on programmed start ballasts at 12 hours per start.



G13 Base



Sold in Case Quantity Only (25/case)

Watts (W)	Ordering Code	Lamp Description	Dimensions Dia (A)	Dimensions MOL (mm)	Dimensions MOL (in)	Color Temp (K)	Initial Lumens (lm)	Rated Life IS[1] (h)		Rated Life RS/PRS[2] (h)	
		Tri-Phosphor 800 Series[3] - Extended Life									
32	3000612	Ⓔ F32T8XL/835, 48”	1.0	1219	48	3500	2950	36000*	40000**	55000*	60000**
32	3000611	Ⓔ F32T8XL/841, 48”	1.0	1219	48	4100	2950	36000*	40000**	55000*	60000**
32	3000610	Ⓔ F32T8XL/850, 48”	1.0	1219	48	5000	2875	36000*	40000**	55000*	60000**

* Based on ANSI / IESNA standards of 3 hours per start
**Based on estimated commercial operating standards of 12 hours per start

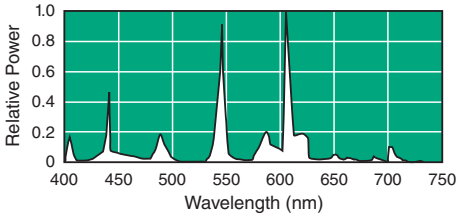
Ⓔ = This bulb meets US Federal Minimum Efficiency Standard

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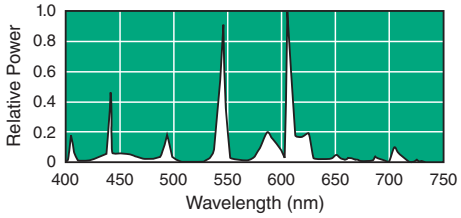
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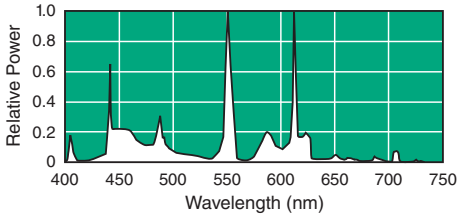
F32T8/835XL



F32T8/841XL



F32T8/850XL



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