

ULTRA 8™ T8 FLUORESCENT LAMPS

ULTRA 8™ T8 LINEAR AND U-BEND SERIES



ULTRA 8™ T8 LINEAR AND U-BEND LAMPS

USHIO proudly carries a line of fluorescent lamps that include: Extended Life, Energy Saving and U-Bend series of 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 fluorescent series provides an economical as well as environmentally responsible alternative to standard T12 fluorescent lamps.

The Ultra 8 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.

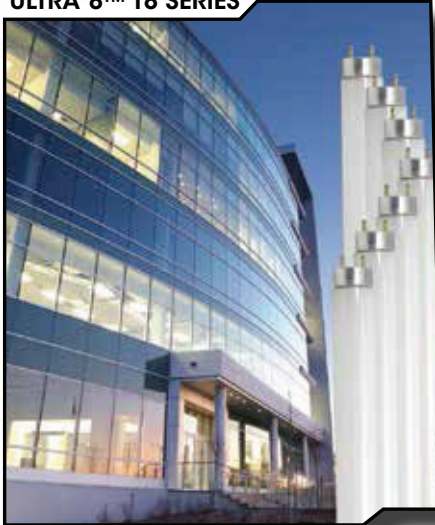
(700 Series) Are applicable where color rendering is not of critical importance. These lamps are most suitable for office buildings, and manufacturing areas.

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 85CRI
- Improved light distribution and quality
- Environmental asset — Long life prevents the build up of discarded lamps which means less waste

ULTRA 8™ T8 FLUORESCENT LAMPS

ULTRA 8™ T8 SERIES



32W EXTENDED LIFE ULTRA 8™ T8 LAMPS

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.

Available in multiple color temperatures: 3500K, 4100K, and 5000K

[†]When used on programmed start ballasts at 12 hrs per start.



Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions MOL (mm)	MOL (in)	Color Temp (K)	Initial Lumens (lm)	Rated Life Instant Start* (h)	Rated Life Programmed Rapid Start** (h)
ULTRA 8™ T8 Tri-phosphor 800 Series Extended Life ¹ — 85 CRI								
32	3000612	F32T8XL/835 Long Life (E)	1219	48	3500	2950	36000*	40000**
32	3000611	F32T8XL/841 Long Life (E)	1219	48	4100	2950	36000*	40000**
32	3000610	F32T8XL/850 Long Life (E)	1219	48	5000	2850	36000*	40000**

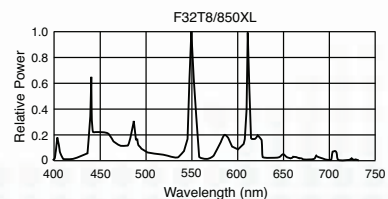
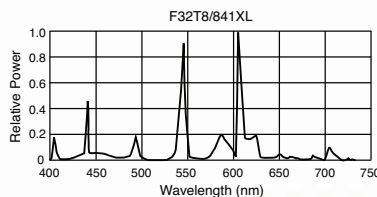
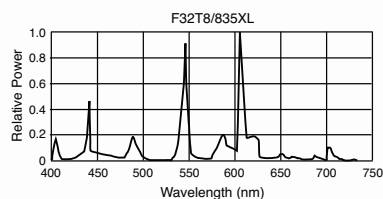
(E) = This bulb meets US Federal Minimum Efficiency Standard

* Based on ANSI / IESNA standards of 3 hours per start

** Based on estimated commercial operating standards of 12 hours per start
Sold in Case Quantity only (25/case)

¹ 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.

SPECTRAL DISTRIBUTION



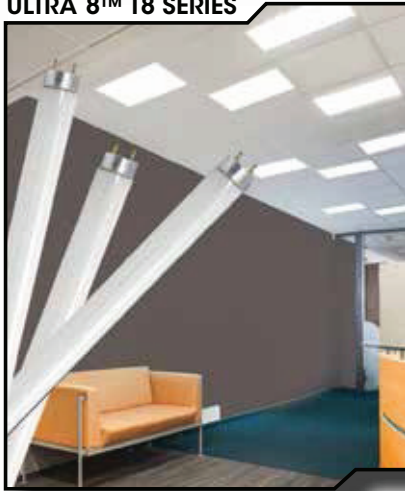
(Hg) - LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

See: www.lamprecycle.org or 1-800-895-8842

ULTRA 8™ T8 FLUORESCENT LAMPS

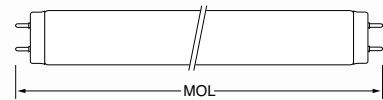
ULTRA 8™ T8 SERIES



25W & 28W ENERGY SAVING ULTRA 8™ T8 LAMPS

USHIO is proud to introduce the newest additions to its popular Ultra 8 linear fluorescent lamp family. 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™ lamps).

[†]This applies to F28T8ES only



Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions MOL (mm)	MOL (in)	Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)
ULTRA 8™ T8 Tri-phosphor 800 Series Energy Saving^{1, 3} — 85 CRI								
25	• 3000618	F25T8ES/835 (E)	1219	48	3500	2500	24000	30000
25	• 3000619	F25T8ES/841 (E)	1219	48	4100	2500	24000	30000
25	• 3000620	F25T8ES/850 (E)	1219	48	5000	2500	24000	30000
ULTRA 8™ T8 Tri-phosphor 800 Series Energy Saving^{2, 3} — 85 CRI								
28	• 3000621	F28T8ES/835 (E)	1219	48	3500	2800	24000	30000
28	• 3000622	F28T8ES/841 (E)	1219	48	4100	2800	24000	30000
28	• 3000623	F28T8ES/850 (E)	1219	48	5000	2800	24000	30000

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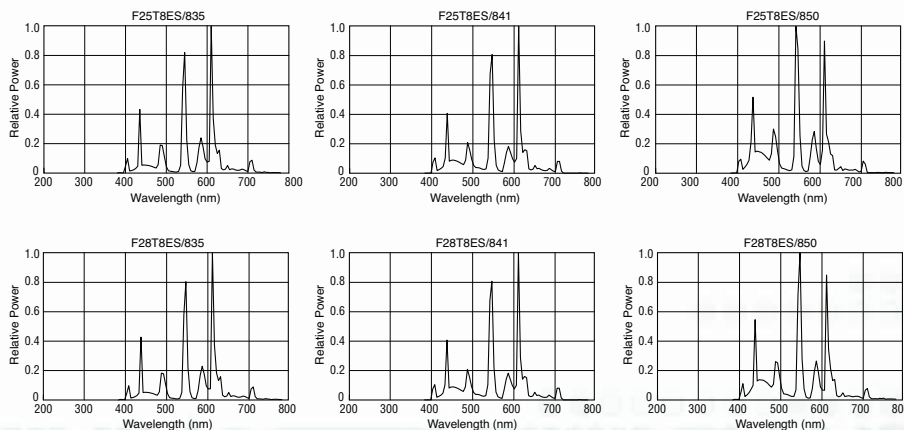
• TCLP Compliant

¹ These lamps may operate on suitable energy saving 25W ballasts.

² These lamps may operate on suitable energy saving 28W ballasts or instant start 32W electronic ballasts with a minimum starting voltage of 550V rms. The life ratings listed reflect operation on suitable 28W ballasts. Rated life for these lamps on 32W instant start ballasts are reduced by 25%.

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.

SPECTRAL DISTRIBUTION



(Hg) - LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

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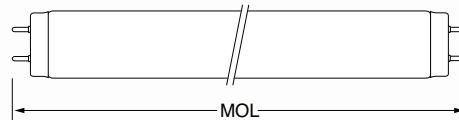
ULTRA 8™ T8 FLUORESCENT LAMPS

ULTRA 8™ T8

Bi-Pin G13 Base

Universal Burn Position

ULTRA 8™ T8 SERIES



Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions		Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)
			MOL (mm)	MOL (in)				
ULTRA 8™ T8 Preheat ^{1, 3}								
15	3000081	F15T8WW	451	18	3000	800	5000	6500
15	3000079	F15T8CW	451	18	4200	875	5000	6500
15	3000080	F15T8D	451	18	6500	760	5000	6500
ULTRA 8™ T8 700 Series ^{2, 3} — 78 CRI								
17	3000082	F17T8/730	610	24	3000	1325	24000	30000
17	3000083	F17T8/735	610	24	3500	1325	24000	30000
17	3000084	F17T8/741	610	24	4100	1325	24000	30000
17	3000085	F17T8/750	610	24	5000	1325	24000	30000
25	3000090	F25T8/730	915	36	3000	2125	24000	30000
25	• 3000091	F25T8/735	915	36	3500	2125	24000	30000
25	3000092	F25T8/741	915	36	4100	2125	24000	30000
25	• 3000093	F25T8/750	915	36	5000	2125	24000	30000
32	• 3000095	F32T8/730 [Ⓔ]	1219	48	3000	2850	24000	30000
32	• 3000096	F32T8/735 [Ⓔ]	1219	48	3500	2850	24000	30000
32	• 3000097	F32T8/741 [Ⓔ]	1219	48	4100	2850	24000	30000
32	• 3000098	F32T8/750 [Ⓔ]	1219	48	5000	2850	24000	30000

(E) = This bulb meets US Federal Minimum Efficiency Standard

• TCLP Compliant

¹ These lamps are designed to operate on preheat ballasts. ² Life ratings reflect operation on rapid start ballasts. Rated life for these lamps on instant start ballasts are reduced by 25%. 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.

*Based on ANSI / IESNA standards of 3 hours per start

** Based on estimated commercial operating standards of 12 hours per start

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ULTRA 8™ T8 FLUORESCENT LAMPS

ULTRA 8™ T8

Bi-Pin G13 Base

Universal Burn Position



Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions MOL (mm)	MOL (in)	Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)
ULTRA 8™ T8 Tri-phosphor 800 Series ^{1,2} — 85 CRI 900 Series ^{1,2} — 95 CRI								
17	3000231	F17T8/830	610	24	3000	1400	24000	30000
17	3000260	F17T8/835	610	24	3500	1400	24000	30000
17	3000261	F17T8/841	610	24	4100	1400	24000	30000
17	3000262	F17T8/850	610	24	5000	1400	24000	30000
25	• 3000263	F25T8/830	915	36	3000	2250	24000	30000
25	• 3000264	F25T8/835	915	36	3500	2250	24000	30000
25	3000265	F25T8/841	915	36	4100	2250	24000	30000
25	• 3000266	F25T8/850	915	36	5000	2250	24000	30000
28	• 3000484	F28T8/835 (E)	1219	48	3500	2800	24000	30000
28	• 3000485	F28T8/841 (E)	1219	48	4100	2800	24000	30000
32	• 3000099	F32T8/830 (E)	1219	48	3000	3050	24000	30000
32	• 3000100	F32T8/835 (E)	1219	48	3500	3050	24000	30000
32	• 3000101	F32T8/841 (E)	1219	48	4100	3050	24000	30000
32	• 3000102	F32T8/850 (E)	1219	48	5000	3050	24000	30000
32	3000417	F32T8/960 (E)	1219	48	6000	1960	24000	30000
ULTRA 8™ T8 Tri-phosphor 800 Series High Lumen ^{1,2} — 85 CRI								
32	3000480	F32T8/841/HL (E)	1219	48	4100	3150	24000	30000
32	3000524	F32T8/850/HL (E)	1219	48	5000	3150	24000	30000

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• TCLP Compliant

¹ Life ratings reflect operation on rapid start ballasts. Rated life for these lamps on instant start ballasts are reduced by 25%. ² 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.

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** Based on estimated commercial operating standards of 12 hours per start
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(Hg) - LAMP CONTAINS MERCURY

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ULTRA 8™ T8 FLUORESCENT LAMPS

ULTRA 8™ T8 U-BEND SERIES



ULTRA 8™ T8 U-BEND FLUORESCENT LAMPS

USHIO's Ultra 8™ U-Bend lamps are a match for 2' x 2' fixtures offering better optical efficiency than standard T12 lamp configurations.

The Ultra 8™ U-Bend lamps utilize protective coatings, effectively reducing the phosphor degradation while increasing lumen output. Advanced halophosphor and tri-phosphor coatings have also been added to increase the lumen stability and allow higher loading. USHIO Ultra 8™ U-Bend lamps employ a precision engineered cathode guard, which prevents end darkening to insure maximum light output throughout the life of the lamp.

Applications include: commercial and retail establishments, schools, general office and health care facilities.

Available in 32W with a large variety of color temperatures ranging from 3000K to 5000K.

FEATURES & BENEFITS

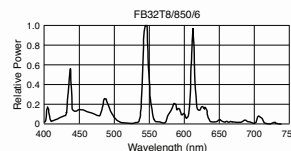
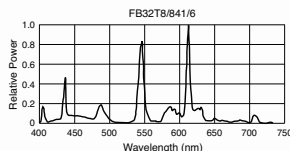
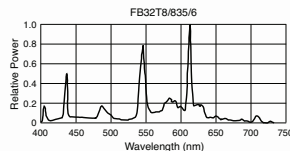
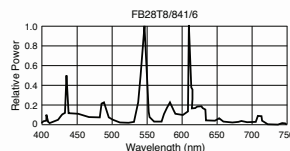
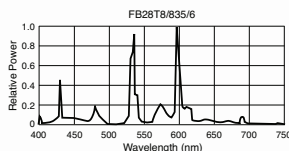
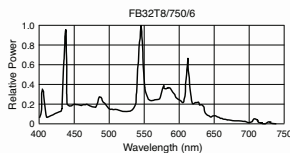
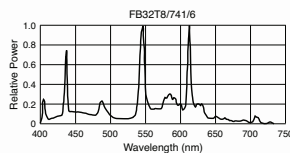
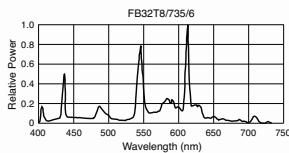
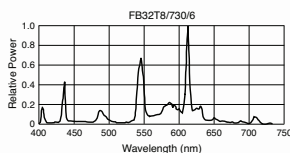
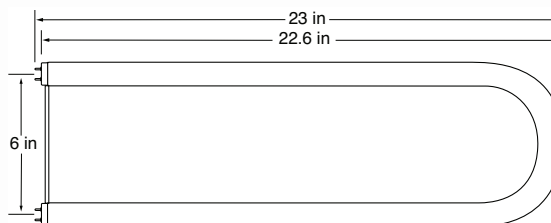
- High Color Rendering — Up to 85CRI
- Precision engineered cathode guard prevents darkening throughout lamp life
- 6 inch leg spacing
- Improved light distribution and quality
- Environmental asset — Long life prevents the build up of discarded lamps which means less waste
- Use with rapid start or instant start ballasts

ULTRA 8™ T8 FLUORESCENT LAMPS

ULTRA 8™ T8 U-BEND

Bi-Pin G13 Base

Universal Burn Position



Watts (W)	Ushio Ordering Code	Ushio Lamp Code	Dimensions		Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)
			MOL (mm)	MOL (in)				
ULTRA 8™ T8 U-Bend 700 Series ^{1,3} — 75 CRI								
32	3000271	FB32T8/730/6 (E)	584	23	3000	2650	24,000	30,000
32	3000272	FB32T8/735/6 (E)	584	23	3500	2650	24,000	30,000
32	3000273	FB32T8/741/6 (E)	584	23	4100	2650	24,000	30,000
32	3000274	FB32T8/750/6 (E)	584	23	5000	2650	24,000	30,000
ULTRA 8™ T8 U-Bend Tri-phosphor 800 Series Energy Saving ^{1,2} — 85 CRI								
28	3000504	FB28T8/835/6 (E)	584	23	3500	2800	24000	30000
28	3000505	FB28T8/841/6 (E)	584	23	4100	2800	24000	30000
ULTRA 8™ T8 U-Bend Tri-phosphor 800 Series ^{1,3} — 85 CRI								
32	3000276	FB32T8/835/6 (E)	584	23	3500	2900	24,000	30,000
32	3000277	FB32T8/841/6 (E)	584	23	4100	2900	24,000	30,000
32	3000278	FB32T8/850/6 (E)	584	23	5000	2750	24,000	30,000

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¹ 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.

² These lamps may operate on suitable energy saving 28W ballasts or instant start 32W electronic ballasts with a minimum starting voltage of 550V rms. The life ratings listed reflect operation on suitable 28W ballasts. Rated life for these lamps on 32W instant start ballasts are reduced by 25%.

³ These lamps are designed to operate on rapid start ballasts and the life ratings listed reflect this fact. Rated life for these lamps on instant start ballasts are reduced by 25%. 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.

*Based on ANSI / IESNA standards of 3 hours per start

** Based on estimated commercial operating standards of 12 hours per start

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Hg - LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

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