USHIO

FLUORESCENT LAMPS

ULTRA 8™ LINEAR AND U-BEND SERIES

ULTRA 8™ LINEAR AND U-BEND LAMPS FOR GENERAL LIGHTING

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.

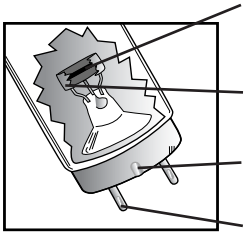
The Ultra 8™ lamps utilize protective coatings, effectively reducing the phosphor degradation while increasing lumen output. Advanced halophosphor and triphosphor coatings have also been added to increase the lumen stability and allow higher loading. USHIO Ultra 8™ lamps employ a precision engineered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

(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 86CRI
- Precision engineered cathode guard prevents darkening throughout lamp life
- Improved light distribution and quality
- Environmental asset — Long life prevents the build up of discarded lamps which means less waste



Stick Cathode Coil: A premium quality coil that offers maximum efficiency and longer lamp life because of our unique design that accepts more emissive coating.

Cathode Guard: Minimizes end darkening and enhances appearance throughout lamp life; improves efficiency and keeps lamps brighter.

Alignment Indentation: Bi-pin types have an indentation on the lamp base to insure proper installation, reducing possibility of early failure.

Solderless Pins: "Peening" in lead wires in the pins eliminates lamp failure caused by flux corrosion or arcing due to weld build-up.

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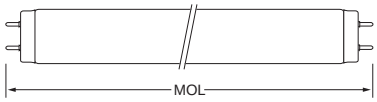
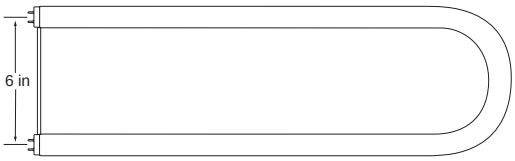
ENERGY SAVING ULTRA8™ LAMPS

ULTRA 8™ SERIES

28W ENERGY SAVING T8 LAMPS

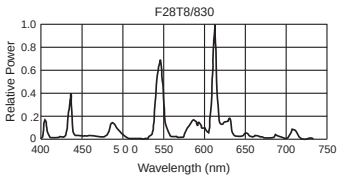
Energy costs account for the majority of lighting expenses and that illustrates the critical need for high performance and energy efficient lamp products. The 28W Ultra 8™ T8 lamps not only operate on high performance 28W ballasts they also provide the needed energy savings by directly replacing higher 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 (over 12% energy savings vs. standard 32W Ultra 8™ lamps).

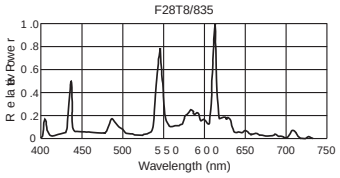


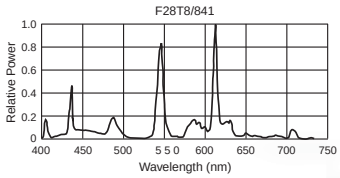


Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions MOL (mm)	Dimensions MOL (in)	Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)
Ultra8™ 800 Series — 86CRI [1, 2]								
28	3000483	F28T8/830	1219	48	3000	2800	24000	30000
28	3000484	F28T8/835	1219	48	3500	2800	24000	30000
28	3000485	F28T8/841	1219	48	4100	2800	24000	30000
28	3000503	FB28T8/830	584	23	3000	2800	24000	30000
28	3000504	FB28T8/835	584	23	3500	2800	24000	30000
28	3000505	FB28T8/841	584	23	4100	2800	24000	30000

SPECTRAL DISTRIBUTION







*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. [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%.

(Hg) - LAMP CONTAINS MERCURY
Manage in Accord with Disposal Laws
See: www.lamprecycle.org or 1-800-895-8842

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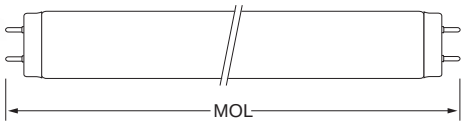
CHARACTERISTICS & SPECIFICATIONS

ULTRA 8™ T8

Bi-Pin G13 Base
Universal Burn Position



Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions MOL (mm)	Dimensions MOL (in)	Color Temp (K)	Initial Lumens (lm)	Average Rated Life* (h)	Commercial Life** (h)
		Ultra 8™ Preheat [1, 3]						
15	3000081	F15T8WW [1]	451	18	3000	800	5000	6500
15	3000079	F15T8CW [1]	451	18	4200	875	5000	6500
15	3000080	F15T8D [1]	451	18	6500	760	5000	6500
		Ultra 8™ 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
		Ultra 8™ Tri-phosphor 800 Series [2, 3] — 86 CRI 900 Series [2, 3] — 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
32	• 3000099	F32T8/830 Ⓔ	1219	48	3000	3050	24000	30000
32	• 3000100	F32T8/835 Ⓔ	1219	48	3500	3050	24000	30000
32	• 3000101	F32T8/841 Ⓔ	1219	48	4100	3050	24000	30000
32	• 3000102	F32T8/850 Ⓔ	1219	48	5000	3050	24000	30000
32	3000417	F32T8/960 Ⓔ	1219	48	6000	1960	24000	30000
32	3000480	F32T8/841/HL Ⓔ	1219	48	4100	3150	24000	30000
32	3000524	F32T8/850/HL Ⓔ	1219	48	5000	3150	24000	30000

Ⓔ = 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

• 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.

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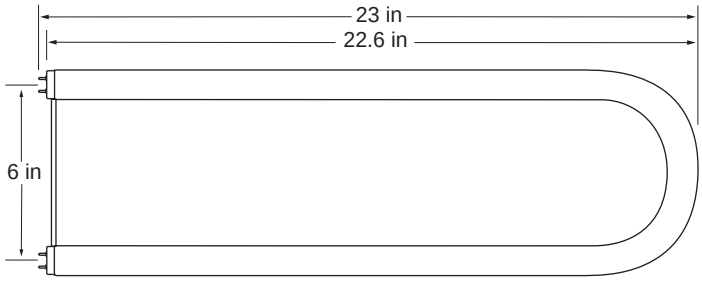
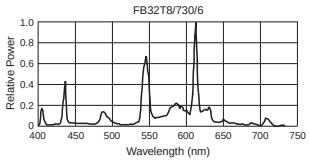
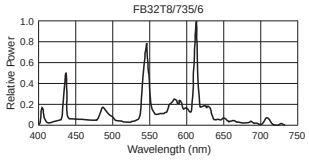
CHARACTERISTICS & SPECIFICATIONS

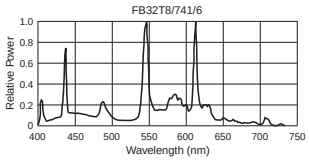
ULTRA 8™ T8 U-BEND

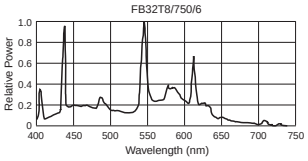
Bi-Pin G13 Base
Universal Burn Position

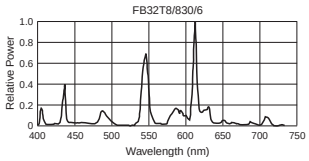


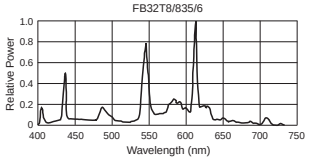


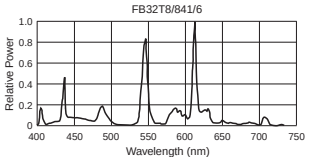


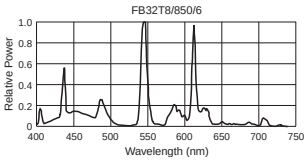












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		Ultra 8™ U-Bend 700 Series							
32	3000271	FB32T8/730/6	584	23	3000	75	2650	24,000	30,000
32	3000272	FB32T8/735/6	584	23	3500	75	2650	24,000	30,000
32	3000273	FB32T8/741/6	584	23	4100	75	2650	24,000	30,000
32	3000274	FB32T8/750/6	584	23	5000	75	2650	24,000	30,000
		Ultra 8™ U-Bend Tri-phosphor 800 Series for superior color rendering							
32	3000275 ●	FB32T8/830/6	584	23	3000	85	2900	24,000	30,000
32	3000276	FB32T8/835/6	584	23	3500	85	2900	24,000	30,000
32	3000277	FB32T8/841/6	584	23	4100	85	2900	24,000	30,000
32	3000278	FB32T8/850/6	584	23	5000	84	2750	24,000	30,000

● Special order item only

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Form No. S-UFLT8/UB/R-0112
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