

## 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.

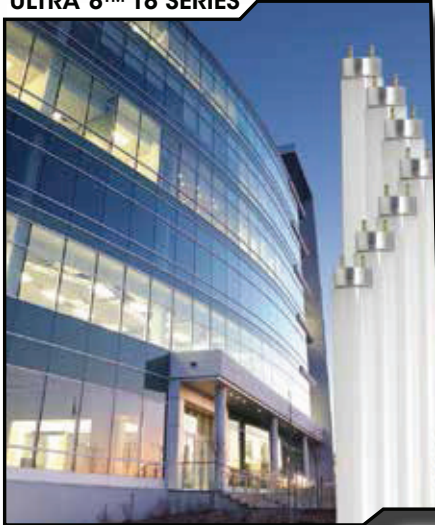
**(700 Series)** Are applicable where color rendering is not of critical importance. These lamps are most suitable for office buildings, and manufacturing areas.

## 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<sup>†</sup> 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

<sup>†</sup>When used on programmed start ballasts at 12 hrs per start.



| Watts (W)                                                                      | Ushio Ordering Code | Ushio Lamp Description    | Dimensions<br>MOL (mm) | MOL (in) | Color Temp (K) | Initial Lumens (lm) | Rated Life Instant Start* (h) | Rated Life Programmed Rapid Start** (h) |
|--------------------------------------------------------------------------------|---------------------|---------------------------|------------------------|----------|----------------|---------------------|-------------------------------|-----------------------------------------|
| <b>ULTRA 8™ T8 Tri-phosphor 800 Series Extended Life <sup>1</sup> — 85 CRI</b> |                     |                           |                        |          |                |                     |                               |                                         |
| 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**                                 |

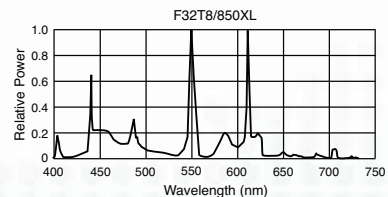
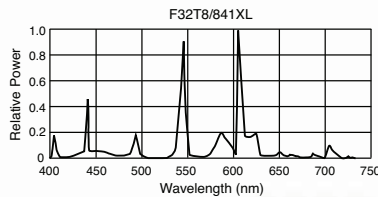
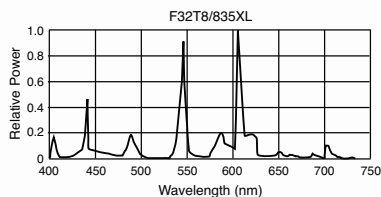
(E) = This bulb meets US Federal Minimum Efficiency Standard

\* 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)

<sup>1</sup> 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



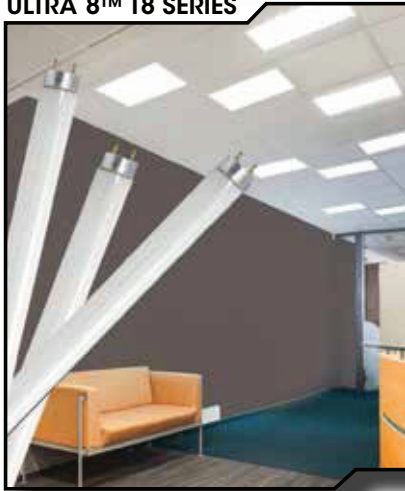
(Hg) - LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

See: [www.lamprecycle.org](http://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<sup>†</sup>. 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).

<sup>†</sup>This applies to F28T8ES only



| Watts (W)                                                                         | Ushio Ordering Code | Ushio Lamp Description | Dimensions<br>MOL (mm) | MOL (in) | Color Temp (K) | Initial Lumens (lm) | Average Rated Life* (h) | Commercial Life** (h) |
|-----------------------------------------------------------------------------------|---------------------|------------------------|------------------------|----------|----------------|---------------------|-------------------------|-----------------------|
| <b>ULTRA 8™ T8 Tri-phosphor 800 Series Energy Saving <sup>1, 3</sup> — 85 CRI</b> |                     |                        |                        |          |                |                     |                         |                       |
| 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                 |
| <b>ULTRA 8™ T8 Tri-phosphor 800 Series Energy Saving <sup>2, 3</sup> — 85 CRI</b> |                     |                        |                        |          |                |                     |                         |                       |
| 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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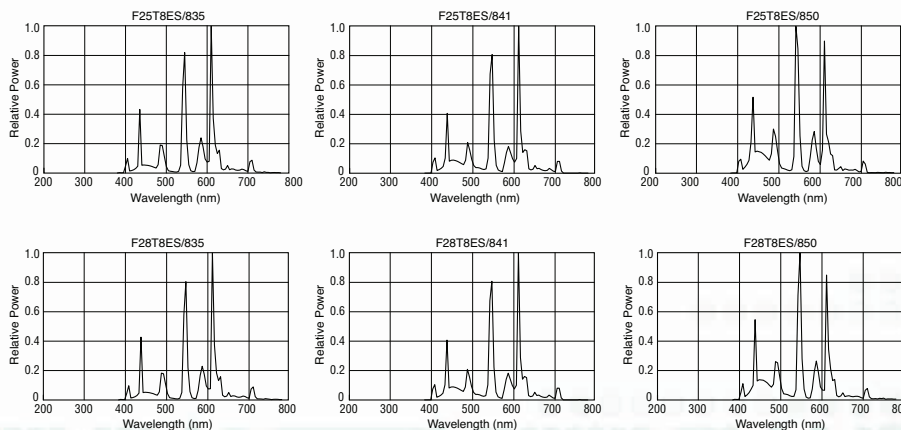
• TCLP Compliant

<sup>1</sup> These lamps may operate on suitable energy saving 25W ballasts.

<sup>2</sup> 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%.

<sup>3</sup> 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](http://www.lamprecycle.org) or 1-800-895-8842

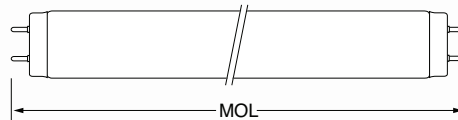
# ULTRA 8™ T8 FLUORESCENT LAMPS

## ULTRA 8™ T8

Bi-Pin G13 Base

Universal Burn Position

### ULTRA 8™ T8 SERIES



| Watts<br>(W)                                    | Ushio<br>Ordering<br>Code | Ushio<br>Lamp<br>Description | Dimensions  |             | Color<br>Temp<br>(K) | Initial<br>Lumens<br>(lm) | Average<br>Rated Life*<br>(h) | Commercial<br>Life**<br>(h) |
|-------------------------------------------------|---------------------------|------------------------------|-------------|-------------|----------------------|---------------------------|-------------------------------|-----------------------------|
|                                                 |                           |                              | MOL<br>(mm) | MOL<br>(in) |                      |                           |                               |                             |
| ULTRA 8™ T8 Preheat <sup>1, 3</sup>             |                           |                              |             |             |                      |                           |                               |                             |
| 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 <sup>2, 3</sup> — 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 <sup>Ⓔ</sup>       | 1219        | 48          | 3000                 | 2850                      | 24000                         | 30000                       |
| 32                                              | • 3000096                 | F32T8/735 <sup>Ⓔ</sup>       | 1219        | 48          | 3500                 | 2850                      | 24000                         | 30000                       |
| 32                                              | • 3000097                 | F32T8/741 <sup>Ⓔ</sup>       | 1219        | 48          | 4100                 | 2850                      | 24000                         | 30000                       |
| 32                                              | • 3000098                 | F32T8/750 <sup>Ⓔ</sup>       | 1219        | 48          | 5000                 | 2850                      | 24000                         | 30000                       |

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

• TCLP Compliant

<sup>1</sup> These lamps are designed to operate on preheat ballasts. <sup>2</sup> Life ratings reflect operation on rapid start ballasts. Rated life for these lamps on instant start ballasts are reduced by 25%. <sup>3</sup> 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

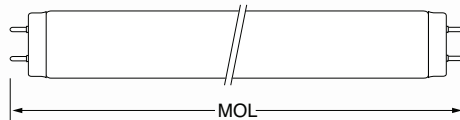
See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-895-8842

# 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) |
|----------------------------------------------------------------------------------------------------------|---------------------|------------------------|---------------------|----------|----------------|---------------------|-------------------------|-----------------------|
| <b>ULTRA 8™ T8 Tri-phosphor 800 Series <sup>1,2</sup> — 85 CRI    900 Series <sup>1,2</sup> — 95 CRI</b> |                     |                        |                     |          |                |                     |                         |                       |
| 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                 |
| <b>ULTRA 8™ T8 Tri-phosphor 800 Series High Lumen <sup>1,2</sup> — 85 CRI</b>                            |                     |                        |                     |          |                |                     |                         |                       |
| 32                                                                                                       | 3000480             | F32T8/841/HL (E)       | 1219                | 48       | 4100           | 3150                | 24000                   | 30000                 |
| 32                                                                                                       | 3000524             | F32T8/850/HL (E)       | 1219                | 48       | 5000           | 3150                | 24000                   | 30000                 |

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

• TCLP Compliant

<sup>1</sup> Life ratings reflect operation on rapid start ballasts. Rated life for these lamps on instant start ballasts are reduced by 25%. <sup>2</sup> 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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LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

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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

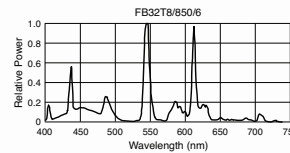
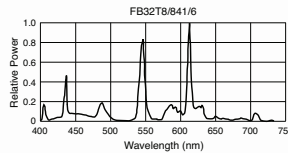
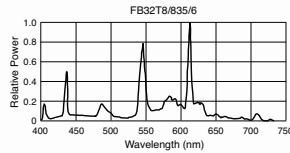
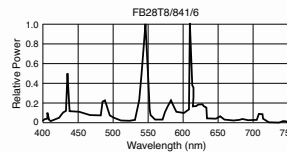
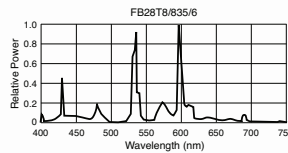
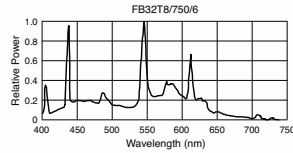
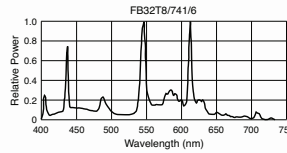
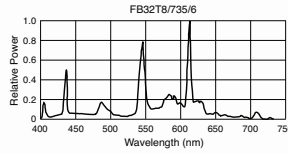
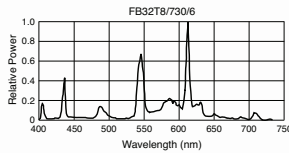
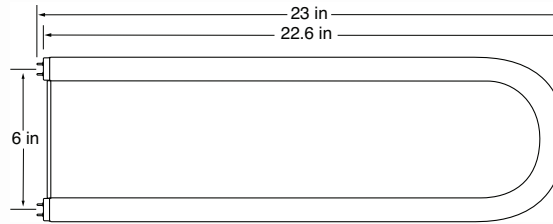
- High Color Rendering — Up to 85CRI
- Precision engineered cathode guard prevents darkening throughout lamp life
- 6 inch leg spacing
- Improved light distribution and quality
- Environmental asset — Long life prevents the build up of discarded lamps which means less waste
- Use with rapid start or 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) |                |                     |                         |                       |
| <b>ULTRA 8™ T8 U-Bend 700 Series <sup>1,3</sup> — 75 CRI</b>                            |                     |                  |            |          |                |                     |                         |                       |
| 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                |
| <b>ULTRA 8™ T8 U-Bend Tri-phosphor 800 Series Energy Saving <sup>1,2</sup> — 85 CRI</b> |                     |                  |            |          |                |                     |                         |                       |
| 28                                                                                      | 3000504             | FB28T8/835/6 (E) | 584        | 23       | 3500           | 2800                | 24000                   | 30000                 |
| 28                                                                                      | 3000505             | FB28T8/841/6 (E) | 584        | 23       | 4100           | 2800                | 24000                   | 30000                 |
| <b>ULTRA 8™ T8 U-Bend Tri-phosphor 800 Series <sup>1,3</sup> — 85 CRI</b>               |                     |                  |            |          |                |                     |                         |                       |
| 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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<sup>1</sup> 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.

<sup>2</sup> 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%.

<sup>3</sup> 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.

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