



# Regulation Readiness

FLUORESCENT & HID MERCURY PHASE-OUT

Current @

AVAILABLE THROUGH  
**GRAINGER**  
FOR THE ONES WHO GET IT DONE



In an effort to regulate consumer products that contain mercury, state governments within the USA have passed legislation that will prohibit the sale and distribution of Linear & Compact Fluorescent lamps, and Mercury Vapor High Intensity Discharge Lamps. The effective date of each state regulation is shown in the table below. This table will continue to evolve as new legislation is passed.

## Regulation Effective Date by Product Category

| State            | Product Category          |                        |                                            |                               |                                        |
|------------------|---------------------------|------------------------|--------------------------------------------|-------------------------------|----------------------------------------|
|                  | 4-Foot Linear Fluorescent | All Linear Fluorescent | Screw or Bayonet Based Compact Fluorescent | Pin Based Compact Fluorescent | Mercury Vapor High Intensity Discharge |
| Vermont          | 1/1/2024                  |                        |                                            |                               |                                        |
| California       |                           | 1/1/2025               | 1/1/2024                                   | 1/1/2025                      |                                        |
| Colorado         |                           | 1/1/2025               | 1/1/2024                                   | 1/1/2025                      |                                        |
| Oregon           |                           | 1/1/2025               | 1/1/2024                                   | 1/1/2025                      |                                        |
| Rhode Island     |                           | 1/1/2025               | 1/1/2024                                   | 1/1/2025                      |                                        |
| Hawaii           |                           | 1/1/2026               | 1/1/2025                                   | 1/1/2026                      |                                        |
| Minnesota        |                           | 1/1/2026               | 1/1/2025                                   | 1/1/2026                      | 1/1/2025                               |
| Maine            |                           | 1/1/2026               | 1/1/2026                                   | 1/1/2026                      |                                        |
| Illinois         |                           | 1/1/2027               | 1/1/2026                                   | 1/1/2027                      |                                        |
| Washington State |                           | 1/1/2029               | 1/1/2029                                   | 1/1/2029                      |                                        |

## European Union (EU) Manufacturing & Export Ban

Under the Revised Mercury Regulation (EU) 2024/1849, starting December 31, 2026 the EU has banned the export on triband phosphor fluorescent lamps as part of a broader effort to eliminate mercury-containing products and move the market toward LED lighting. High output and all 8-foot linear fluorescent lamps are primarily manufactured in Europe, so the EU export ban is particularly impactful on these products. Regulation on exportation from China is also forthcoming, so a worldwide shift to LED solutions for these applications is anticipated in the near future.

## Mercury in Fluorescent Lighting

Fluorescent technology was developed by General Electric in 1934. While the amount of mercury in each fluorescent lamp has significantly decreased over the past 90 years, a small amount is still required to produce light in all Discharge lamps. When electricity is applied to a fluorescent tube, mercury ions emit energy in the form of ultraviolet (UV) light. UV light is then converted into visible light by interacting with the phosphor coating on the inside of the glass tube. Mercury has electrical characteristics that cannot be matched by other materials and remains a key component of fluorescent lighting.

## Mercury in High Intensity Discharge Lighting

Mercury Vapor lamps were the first commercially available High Intensity Discharge (HID) lamps, and were patented by General Electric in 1913. Mercury vapor lamps contain metals such as mercury and sodium inside the discharge tube. The heated gas vaporizes some of the metal causing it to discharge photons. The photons emitted by mercury and sodium produce a visible glow. Mercury vapor lamps typically contain between 10 and 100mg of mercury.

## Transitioning to LED Lighting

LED (Light Emitting Diode) lamps do not contain mercury, and Current offers a variety of LED lamp options to replace Linear & Compact Fluorescent lamps and Mercury Vapor lamps. The different Types of LED lamps are explained in the following pages. Suggested LED replacements are noted for traditional lamps in the tables in this document. These are basic recommendations, but suitability should be evaluated for each specific application where traditional lamps were used. For more information about the transition from traditional lighting to LED, contact your Current sales representative.



## LED Lamps – Tubes

**LED Tubes**, sometimes referred to as "TLEDs," are meant to use linear fluorescent sockets and fixtures. LED Tubes have the same length and pins as the linear fluorescent lamps they are intended to replace. The details of how the fixture is wired and the auxiliary equipment used may vary, depending on the LED Tube solution.

The lighting industry refers to three basic Types of LED Tubes:

-**Type A LED Tubes** are intended to be used as direct replacements for linear fluorescent lamps, with no modification to the fixture. Type A LED Tubes operate from fluorescent ballasts.

-**Type B LED Tubes** operate from mains voltage. The ballast is bypassed and the fixture is re-wired according to the installation instructions that come with the lamp. Wiring may vary across Type B LED Tubes from different manufacturers. A retrofit fixture label indicating the LED Tube used and that the fixture has been re-wired is provided to be applied to the fixture.

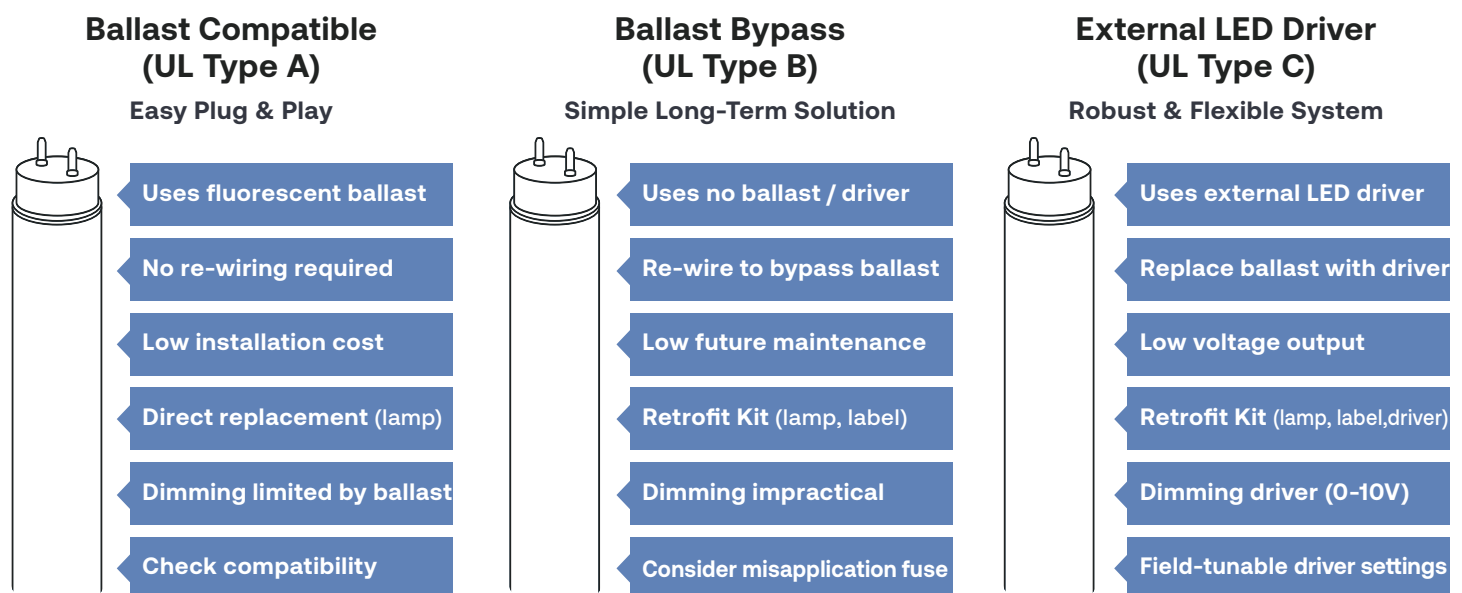
-**Type C LED Tubes** operate from dedicated remote (external) LED drivers. Instead of a ballast, a remote driver is used to provide the proper voltage and current for the Type C LED Tubes. A retrofit fixture label indicating the LED Tube and Driver used is provided to be applied to the fixture. Type C LED Tube and Driver solutions vary across the industry – they are not yet standardized like linear fluorescent lamps and ballasts.

There are also "hybrid" lamps that can cover multiple Types of LED Tubes, depending on how they are implemented.

Current offers a wide range of GE LED Tubes to replace linear fluorescent lamps, including all of the Types above. Each Type of LED Tube offers different advantages, so the right solution may vary by application.

### Which LED Tube is right for you?

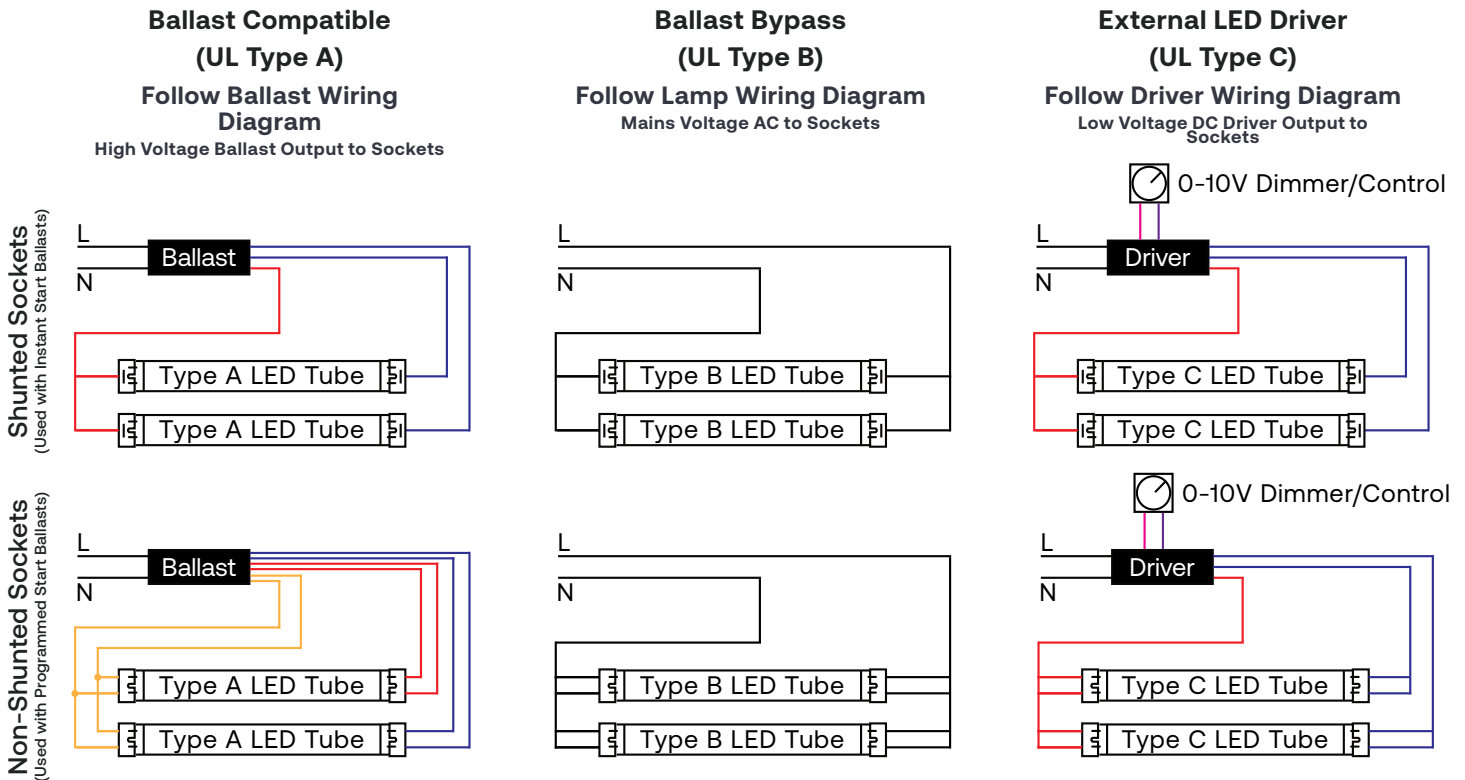
A basic comparison of the Types of LED Tubes is provided below. For more detailed information, please contact your Current sales representative.





## LED Tube Wiring Basics

The wiring diagrams below are provided as general guidance for GE LED Tubes. Other manufacturers' may vary. Refer to installation guides provided with GE LED Tubes for more detailed directions. If sockets are in good condition, no socket replacement should be necessary for GE LED Tubes. Add a jumper to non-shunted sockets, or tie both wires from a non-shunted socket to the incoming power as shown.



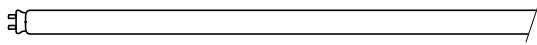
## LED Tube Construction, Coating, & covRguard®:

GE LED Tubes are primarily constructed of glass tubes with an internal coating for diffusion. This is similar to linear fluorescent construction that has been used for decades. Glass is a stable material and works well for most applications. The coating inside the glass provides good diffusion, spreading out the light and eliminating hot spots and pixilation from the individual LEDs.

GE LED Tubes are also offered with PET coating. This white coating is heat-shrunk onto a clear glass tube. Diffusion is supplied by the PET coating, which also provides some shatter resistance. These lamps are NSF Splash Zone rated.

GE LED Tubes are also available with covRguard®. Similar to covRguard® on linear fluorescent lamps, a polycarbonate sleeve is applied over the glass tube and affixed to the lamp end caps. This construction provides excellent shatter protection. These lamps are NSF Food Zone (Non-contact) rated.





T5 (5/8" diameter) Miniature Bi-Pin Base (G5)

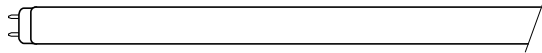


Min BiPin  
G5

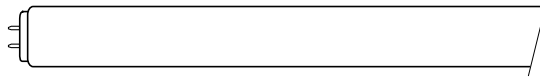
## T5 Linear Fluorescent

| T5 Linear Fluorescent<br>Miniature Bi-Pin (G5) |          |                      |             | Ballast Bypass<br>(Type B) LED Tube |          |                          | Ballast Compatible<br>(Type A) LED Tube |          |                  | Remote Driver<br>(Type C) LED Tube |          |                    |
|------------------------------------------------|----------|----------------------|-------------|-------------------------------------|----------|--------------------------|-----------------------------------------|----------|------------------|------------------------------------|----------|--------------------|
| Order Code                                     | Grainger | Description          | Color Temp. | Order Code                          | Grainger | Description              | Order Code                              | Grainger | Description      | Order Code                         | Grainger | Description        |
| 31590                                          | 5AE12    | F14W/T5/830/ECO      | 3000K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34403                                   | 55GU31   | LED7ET5/G2/830HE | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 46671                                          | 5AE13    | F14W/T5/835/ECO      | 3500K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34404                                   | 55GU32   | LED7ET5/G2/835HE | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 46673                                          | 5AE14    | F14W/T5/841/ECO      | 4100K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34411                                   | 55GU33   | LED7ET5/G2/840HE | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 46677                                          | 5AE15    | F21W/T5/830/ECO      | 3000K       | 93319131                            | 393LA5   | LEDLCBDT5/G3/8SC/120-347 | 34371                                   | 55GU27   | LED10ET5G3/830HE | 93323644                           | -        | LEDT5/LC/G/3/8SC   |
| 46684                                          | 5AE16    | F21W/T5/835/ECO      | 3500K       | 93319131                            | 393LA5   | LEDLCBDT5/G3/8SC/120-347 | 34376                                   | 55GU28   | LED10ET5G3/835HE | 93323644                           | -        | LEDT5/LC/G/3/8SC   |
| 46687                                          | 5AE17    | F21W/T5/841/ECO      | 4100K       | 93319131                            | 393LA5   | LEDLCBDT5/G3/8SC/120-347 | 34401                                   | 55GU29   | LED10ET5G3/840HE | 93323644                           | -        | LEDT5/LC/G/3/8SC   |
| 46704                                          | 5AE18    | F28W/T5/830/ECO      | 3000K       | 93319129                            | 393LA6   | LEDLCBDT5/G4/8SC/120-347 | 34351                                   | 55GU23   | LED13ET5G4/830HE | 93314792                           | -        | LEDT5/LC/G/4/835XL |
| 46705                                          | 5AE19    | F28W/T5/835/ECO      | 3500K       | 93319129                            | 393LA6   | LEDLCBDT5/G4/8SC/120-347 | 34354                                   | 55GU24   | LED13ET5G4/835HE | 93314792                           | -        | LEDT5/LC/G/4/835XL |
| 46706                                          | 5AE20    | F28W/T5/841/ECO      | 4100K       | 93128486                            | 818FF5   | LED14BDT5G4840HE         | 34355                                   | 55GU25   | LED13ET5G4/840HE | 93314794                           | -        | LEDT5/LC/G/4/840XL |
| 46699                                          | 5AE24    | F24W/T5/830/ECO      | 3000K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34413                                   | 55GU19   | LED11ET5/G2/830  | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 46700                                          | 5AE25    | F24W/T5/835/ECO      | 3500K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34417                                   | 55GU20   | LED11ET5/G2/835  | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 46701                                          | 5AE26    | F24W/T5/841/ECO      | 4100K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34418                                   | 55GU21   | LED11ET5/G2/840  | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 46744                                          | 5AE27    | F39W/T5/830/ECO      | 3000K       | 93319131                            | 393LA5   | LEDLCBDT5/G3/8SC/120-347 |                                         |          |                  | 93323644                           | -        | LEDT5/LC/G/3/8SC   |
| 46745                                          | 5AE28    | F39W/T5/835/ECO      | 3500K       | 93319131                            | 393LA5   | LEDLCBDT5/G3/8SC/120-347 |                                         |          |                  | 93323644                           | -        | LEDT5/LC/G/3/8SC   |
| 46759                                          | 5AE33    | F54W/T5/830/ECO      | 3000K       | 93319129                            | 393LA6   | LEDLCBDT5/G4/8SC/120-347 | 19203                                   | 436L57   | LED26ET5/G/4/830 | 93314792                           | -        | LEDT5/LC/G/4/835XL |
| 46760                                          | 5AE34    | F54W/T5/835/ECO      | 3500K       | 93100293                            | 818FE3   | LED25BDT5/G4/835         | 19221                                   | 436L58   | LED26ET5/G/4/835 | 93314792                           | -        | LEDT5/LC/G/4/835XL |
| 46761                                          | 5AE35    | F54W/T5/841/ECO      | 4100K       | 93100294                            | 818FE4   | LED25BDT5/G4/840         | 19227                                   | 436L59   | LED26ET5/G/4/840 | 93314794                           | -        | LEDT5/LC/G/4/840XL |
| 46762                                          | 5AE36    | F54W/T5/850/ECO      | 5000K       | 93100295                            | 383XR7   | LED25BDT5/G4/850         | 19348                                   | 436L60   | LED26ET5/G/4/850 | 93314796                           | -        | LEDT5/LC/G/4/850XL |
| 46763                                          | 5AE37    | F54W/T5/865/ECO      | 6500K       | 93100295                            | 383XR7   | LED25BDT5/G4/850         | 19348                                   | 436L60   | LED26ET5/G/4/850 | 93314796                           | -        | LEDT5/LC/G/4/850XL |
| 68837                                          | 40D425   | F54T5/XL/835/ECO     | 3500K       | 93100293                            | 818FE3   | LED25BDT5/G4/835         | 19221                                   | 436L58   | LED26ET5/G/4/835 | 93314792                           | -        | LEDT5/LC/G/4/835XL |
| 71633                                          | 2EAG3    | F14T5/835/WM/ECO     | 3500K       | 93319133                            | 912AX4   | LEDLCBDT5/G2/8SC/120-347 | 34404                                   | 55GU32   | LED7ET5/G2/835HE | 93323646                           | -        | LEDT5/LC/G/2/8SC   |
| 71629                                          | 2EAF8    | F54T5/841/WM/ECO     | 4100K       | 93100294                            | 818FE4   | LED25BDT5/G4/840         | 19227                                   | 436L59   | LED26ET5/G/4/840 | 93314794                           | -        | LEDT5/LC/G/4/840XL |
| 62022                                          | 6TWG5    | F54T5/47W/841/ECO    | 4100K       | 93100294                            | 818FE4   | LED25BDT5/G4/840         | 19227                                   | 436L59   | LED26ET5/G/4/840 | 93314794                           | -        | LEDT5/LC/G/4/840XL |
| 10059                                          | 2V235    | F8T5/CW              | 4100K       |                                     |          |                          |                                         |          |                  |                                    |          |                    |
| 10086                                          | 2V806    | F13T5/CW             | 4100K       |                                     |          |                          |                                         |          |                  |                                    |          |                    |
| 81547                                          | 1PDD7    | F28W/T5/835/ECO/CVG  | 3500K       |                                     |          |                          |                                         |          |                  |                                    |          |                    |
| 48458                                          | 5TB64    | F54T5/841/HO/ECO/CVG | 4100K       | 93155904                            | 818FG5   | LED25BDT5/G4/840/CVG     |                                         |          |                  |                                    |          |                    |
| 80311                                          | 1TGY9    | F54T5/850/HO/ECO/CVG | 5000K       | 93155905                            | 818FG6   | LED25BDT5/G4/850/CVG     |                                         |          |                  |                                    |          |                    |

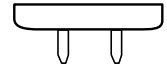
# Regulation Readiness – Fluorescent & HID Mercury Phase-Out



T8 (1" diameter) Medium Bi-Base (G13)



T12 (1-1/2" Diameter) Medium Bi-Pin Base (G13)



Med BiPin  
G13

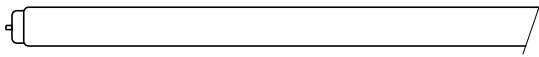
## T8 Linear Fluorescent

| T8 Linear Fluorescent Medium Bi-Pin (G13) |          |                       |             | Ballast Bypass (Type B) LED Tube |          |                             | Ballast Compatible (Type A) LED Tube |          |                     | Remote Driver (Type C) LED Tube |          |                    |
|-------------------------------------------|----------|-----------------------|-------------|----------------------------------|----------|-----------------------------|--------------------------------------|----------|---------------------|---------------------------------|----------|--------------------|
| Order Code                                | Grainger | Description           | Color Temp. | Order Code                       | Grainger | Description                 | Order Code                           | Grainger | Description         | Order Code                      | Grainger | Description        |
| 45741                                     | 6XT95    | F17T8/SP30/ECO        | 3000K       | 93313567                         | 847V64   | LEDLCBDT8/G2/8SC/120-347    | 35775                                | 246N16   | LED8ET8/G/2/830     | 93322418                        | 416FX0   | LEDT8/LC/G/2/8SC   |
| 45743                                     | 6XT97    | F17T8/SP35/ECO        | 3500K       | 39560                            | 55GU01   | LED9BDT8/G2/835             | 35776                                | 246N17   | LED8ET8/G/2/835     | 93322418                        | 416FX0   | LEDT8/LC/G/2/8SC   |
| 45748                                     | 6XT99    | F17T8/SP41/ECO        | 4100K       | 39561                            | 55GU02   | LED9BDT8/G2/840             | 35778                                | 246N18   | LED8ET8/G/2/840     | 93322418                        | 416FX0   | LEDT8/LC/G/2/8SC   |
| 45754                                     | 6XV04    | F25T8/SP35/ECO        | 3500K       | 39547                            | 55GT96   | LED12BDT8/G3/835            | 35784                                | 246N13   | LED11ET8/G/3/835    | 93322422                        | -        | LEDT8/LC/G/3/8SC   |
| 45756                                     | 6XV06    | F25T8/SP41/ECO        | 4100K       | 39554                            | 55GT97   | LED12BDT8/G3/840            | 35788                                | 246N14   | LED11ET8/G/3/840    | 93322422                        | -        | LEDT8/LC/G/3/8SC   |
| 68850                                     | 4PL14    | F32T8/SPX30/ECO2      | 3000K       | 39493                            | 494G94   | LED14BDT8/G4/830            | 34283                                | 467W17   | LED14ET8/G/4/830    | 34211                           | 55GU35   | LEDT8/LC/G/4/830   |
| 68851                                     | 4PL15    | F32T8/SPX35/ECO2      | 3500K       | 39494                            | 494G95   | LED14BDT8/G4/835            | 34289                                | 467W18   | LED14ET8/G/4/835    | 93314798                        | 416FX1   | LEDT8/LC/G/4/835XL |
| 68852                                     | 4PL16    | F32T8/SPX41/ECO2      | 4100K       | 39498                            | 494G96   | LED14BDT8/G4/840            | 34291                                | 467W19   | LED14ET8/G/4/840    | 93314800                        | 896P13   | LEDT8/LC/G/4/840XL |
| 68853                                     | 36H776   | F32T8/SPX50/ECO2      | 5000K       | 39519                            | 55GT94   | LED14BDT8/G4/850            | 34300                                | 467W20   | LED14ET8/G/4/850    | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 66342                                     | 3JJ79    | F32T8/SPX65/ECO2      | 6500K       | 39519                            | 55GT94   | LED14BDT8/G4/850            | 34300                                | 467W20   | LED14ET8/G/4/850    | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 72129                                     | 2ETR7    | F32T8/25W/SPX35/ECO   | 3500K       | 93117213                         | 55XC96   | LED11BDT8/G4/835            | 93107391                             | 55GT87   | LED11ET8/G/4/835    | 93314798                        | 416FX1   | LEDT8/LC/G/4/835XL |
| 72130                                     | 2ETR8    | F32T8/25W/SPX41/ECO   | 4100K       | 93117214                         | 55XC97   | LED11BDT8/G4/840            | 93107392                             | 55GT88   | LED11ET8/G/4/840    | 93314800                        | 896P13   | LEDT8/LC/G/4/840XL |
| 72131                                     | 2ETR9    | F32T8/25W/SPX50/ECO   | 5000K       | 93117215                         | 55XC98   | LED11BDT8/G4/850            | 93107393                             | 55GT89   | LED11ET8/G/4/850    | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 72864                                     | 2ETU2    | F28T8/XL/SPX35/ECO    | 3500K       | 93117213                         | 55XC96   | LED11BDT8/G4/835            | 93107391                             | 55GT87   | LED11ET8/G/4/835    | 93314798                        | 416FX1   | LEDT8/LC/G/4/835XL |
| 72866                                     | 2ETU3    | F28T8/XL/SPX41/ECO    | 4100K       | 93117214                         | 55XC97   | LED11BDT8/G4/840            | 93107392                             | 55GT88   | LED11ET8/G/4/840    | 93314800                        | 896P13   | LEDT8/LC/G/4/840XL |
| 72867                                     | 2ETU4    | F28T8/XL/SPX50/ECO    | 5000K       | 93117215                         | 55XC98   | LED11BDT8/G4/850            | 93107393                             | 55GT89   | LED11ET8/G/4/850    | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 10326                                     | 3CA62    | F32T8/XL/SPX35/HL/ECO | 3500K       | 39494                            | 494G95   | LED14BDT8/G4/835            | 34289                                | 467W18   | LED14ET8/G/4/835    | 93314798                        | 416FX1   | LEDT8/LC/G/4/835XL |
| 10322                                     | 3CA64    | F32T8/XL/SPX41/HL/ECO | 4100K       | 39498                            | 494G96   | LED14BDT8/G4/840            | 34291                                | 467W19   | LED14ET8/G/4/840    | 93314800                        | 896P13   | LEDT8/LC/G/4/840XL |
| 42556                                     | 4ZY40    | F32T8/XL/SPX50/HL/ECO | 5000K       | 39519                            | 55GT94   | LED14BDT8/G4/850            | 34300                                | 467W20   | LED14ET8/G/4/850    | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 72118                                     | 2ETT8    | F31T8/SPX35/U/ECO     | 3500K       | 93320487                         | 408WF7   | LED13BDT8/U/U/6/8SC/120-347 |                                      |          |                     | 28084                           | 246N28   | LED14T8/U/835      |
| 72119                                     | 2ETT9    | F31T8/SPX41/U/ECO     | 4100K       | 93320487                         | 408WF7   | LED13BDT8/U/U/6/8SC/120-347 |                                      |          |                     | 28164                           | 246N29   | LED14T8/U/840      |
| 28145                                     | 4HY84    | F32T8/SP30/U6/ECO     | 3000K       | 93320487                         | 408WF7   | LED13BDT8/U/U/6/8SC/120-347 | 43120                                | 246N06   | LED13ET8/U/6/830    | 43131                           | -        | LED15T8/G/U/6/830  |
| 28149                                     | 4HY85    | F32T8/SP35/U6/ECO     | 3500K       | 93133050                         | 61KT12   | LED13BDT8/U/6/835           | 43125                                | 246N07   | LED13ET8/U/6/835    | 43135                           | -        | LED15T8/G/U/6/835  |
| 28152                                     | 4HY86    | F32T8/SP41/U6/ECO     | 4100K       | 93133051                         | 61KT13   | LED13BDT8/U/6/840           | 43129                                | 48UV48   | LED13ET8/U/6/840    | 43143                           | 55EM32   | LED15T8/G/U/6/840  |
| 72112                                     | 2ETT2    | F32T8/SPX35/U6/ECO    | 3500K       | 93133050                         | 61KT12   | LED13BDT8/U/6/835           | 43125                                | 246N07   | LED13ET8/U/6/835    | 43135                           | -        | LED15T8/G/U/6/835  |
| 72113                                     | 2ETT3    | F32T8/SPX41/U6/ECO    | 4100K       | 93133051                         | 61KT13   | LED13BDT8/U/6/840           | 43129                                | 48UV48   | LED13ET8/U/6/840    | 43143                           | 55EM32   | LED15T8/G/U/6/840  |
| 41126                                     | 5XN97    | F32T8SPX35ECOCVG      | 3500K       | 93154588                         | 818FD3   | LED16BDT8/G4/835XL/CVG      | 93135946                             | 61KJ86   | LED18ET8/G/4/835CVG |                                 |          |                    |
| 41127                                     | 5XN98    | F32T8SPX41ECOCVG      | 4100K       | 93154589                         | 818FD4   | LED16BDT8/G4/840XL/CVG      | 93135947                             | 61KJ87   | LED18ET8/G/4/840CVG |                                 |          |                    |
| 15971                                     | 4ZY43    | F32T8SPX50ECOCVG      | 5000K       | 93154586                         | 818FD5   | LED16BDT8/G4/850XL/CVG      | 93135948                             | 61KJ88   | LED18ET8/G/4/850CVG |                                 |          |                    |
| 94843                                     | 4ZY42    | F32T8SPX65ECOCVG      | 6500K       | 93154586                         | 818FD5   | LED16BDT8/G4/850XL/CVG      | 93135948                             | 61KJ88   | LED18ET8/G/4/850CVG |                                 |          |                    |

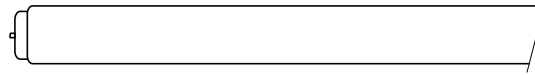
## T12 Linear Fluorescent

| T12 Linear Fluorescent Medium Bi-Pin (G13) |          |                |             | Ballast Bypass (Type B) LED Tube |          |                  | Ballast Compatible (Type A) LED Tube |          |                  | Remote Driver (Type C) LED Tube |          |                    |
|--------------------------------------------|----------|----------------|-------------|----------------------------------|----------|------------------|--------------------------------------|----------|------------------|---------------------------------|----------|--------------------|
| Order Code                                 | Grainger | Description    | Color Temp. | Order Code                       | Grainger | Description      | Order Code                           | Grainger | Description      | Order Code                      | Grainger | Description        |
| 66474                                      | 24W596   | F34CX41/WM/ECO | 4100K       | 93117214                         | 55XC97   | LED11BDT8/G4/840 | 93107392                             | 55GT88   | LED11ET8/G/4/840 | 93314800                        | 896P13   | LEDT8/LC/G/4/840XL |
| 80096                                      | 6NB36    | F40C50/ECO     | 5000K       | 93117215                         | 55XC98   | LED11BDT8/G4/850 | 93107393                             | 55GT89   | LED11ET8/G/4/850 | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 80097                                      | 6NB37    | F40DX/ECO      | 6500K       | 93117215                         | 55XC98   | LED11BDT8/G4/850 | 93107393                             | 55GT89   | LED11ET8/G/4/850 | 93314802                        | 416FW9   | LEDT8/LC/G/4/850XL |
| 80045                                      | 6NB14    | F20T12/CW/ECO  | 4100K       | 39561                            | 55GU02   | LED9BDT8/G2/840  | 35778                                | 246N18   | LED8ET8/G/2/840  | 93322418                        | 416FX0   | LEDT8/LC/G/2/8SC   |
| 80047                                      | 6NB15    | F20T12/D/ECO   | 6500K       | 39563                            | 55GU03   | LED9BDT8/G2/850  | 35779                                | 246N19   | LED8ET8/G/2/850  | 93322418                        | 416FX0   | LEDT8/LC/G/2/8SC   |

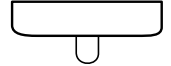
# Regulation Readiness – Fluorescent & HID Mercury Phase-Out



T8 (1" diameter) Single Pin Base (Fa8)



T12 (1-1/2" Diameter) Single Pin Base (Fa8)



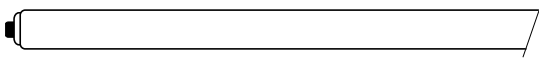
Single Pin  
Fa8

## T8 Linear Fluorescent

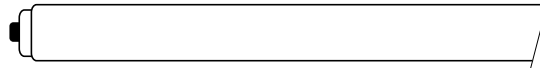
| T8 Linear Fluorescent<br>Single Pin (Fa8) |          |                  |             | Ballast Bypass<br>(Type B) LED Tube |          |                              | Ballast Compatible<br>(Type A) LED Tube |          |             | Remote Driver<br>(Type C) LED Tube |          |                 |
|-------------------------------------------|----------|------------------|-------------|-------------------------------------|----------|------------------------------|-----------------------------------------|----------|-------------|------------------------------------|----------|-----------------|
| Order Code                                | Grainger | Description      | Color Temp. | Order Code                          | Grainger | Description                  | Order Code                              | Grainger | Description | Order Code                         | Grainger | Description     |
| 68869                                     | 36H783   | F96T8/XL/SPX35/2 | 3500K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62327                              | -        | LED36T8/G/8/835 |
| 68870                                     | 36H784   | F96T8/XL/SPX41/2 | 4100K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62329                              | 55EM35   | LED36T8/G/8/840 |
| 68871                                     | 36H785   | F96T8/XL/SPX50/2 | 5000K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62349                              | 289Y62   | LED36T8/G/8/850 |
| 15123                                     | -        | F96T8/XLSPX41WMP | 4100K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62329                              | 55EM35   | LED36T8/G/8/840 |

## T12 Linear Fluorescent

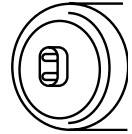
| T12 Linear Fluorescent<br>Single Pin (Fa8) |          |                  |             | Ballast Bypass<br>(Type B) LED Tube |          |                              | Ballast Compatible<br>(Type A) LED Tube |          |             | Remote Driver<br>(Type C) LED Tube |          |                 |
|--------------------------------------------|----------|------------------|-------------|-------------------------------------|----------|------------------------------|-----------------------------------------|----------|-------------|------------------------------------|----------|-----------------|
| Order Code                                 | Grainger | Description      | Color Temp. | Order Code                          | Grainger | Description                  | Order Code                              | Grainger | Description | Order Code                         | Grainger | Description     |
| 68052                                      | 46T417   | F96T12/CW/C/WM   | 4100K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62329                              | 55EM35   | LED36T8/G/8/840 |
| 66858                                      | 24W601   | F96T12XL/HL41/WM | 4100K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62329                              | 55EM35   | LED36T8/G/8/840 |
| 14652                                      | 3JK14    | F96T12/DX        | 6500K       | 93319020                            | 394WU8   | LED42BDT8/G8/Fa8/8SC/120-347 |                                         |          |             | 62349                              | 289Y62   | LED36T8/G/8/850 |



T8 (1" diameter) Recessed Double Contact Base (R17d)



T12 (1-1/2" Diameter) Recessed Double Contact Base (R17d)



Recessed  
Double Contact  
R17d

## T8 Linear Fluorescent

| T8 Linear Fluorescent<br>Recessed Double Contact (R17d) |          |                |             | Ballast Bypass<br>(Type B) LED Tube |          |                               |
|---------------------------------------------------------|----------|----------------|-------------|-------------------------------------|----------|-------------------------------|
| Order Code                                              | Grainger | Description    | Color Temp. | Order Code                          | Grainger | Description                   |
| 12533                                                   | 2F954    | F96T8/SPX35/HO | 3500K       | 93319022                            | 912AX7   | LED42BDT8/G8/R17d/8SC/120-347 |
| 12534                                                   | 2F956    | F96T8/SPX41/HO | 4100K       | 93319022                            | 912AX7   | LED42BDT8/G8/R17d/8SC/120-347 |
| 12535                                                   | 2F958    | F96T8/SPX50/HO | 5000K       | 93319022                            | 912AX7   | LED42BDT8/G8/R17d/8SC/120-347 |

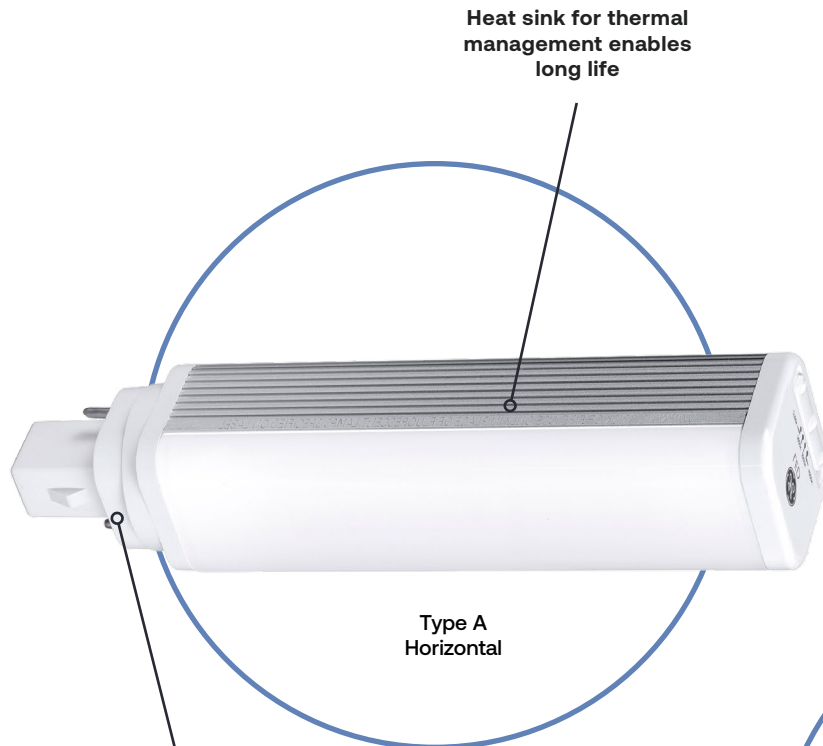
## T12 Linear Fluorescent

| T12 Linear Fluorescent<br>(Recessed Double Contact (R17d)) |          |                   |             | Ballast Bypass<br>(Type B) LED Tube |          |                               |
|------------------------------------------------------------|----------|-------------------|-------------|-------------------------------------|----------|-------------------------------|
| Order Code                                                 | Grainger | Description       | Color Temp. | Order Code                          | Grainger | Description                   |
| 10773                                                      | 3V443    | F48T12/CW/HO      | 4100K       | 93319032                            | 421YH0   | LED18BDT8/G4/R17d/8SC/120-347 |
| 10778                                                      | 4V924    | F48T12/D/HO       | 6500K       | 93319032                            | 421YH0   | LED18BDT8/G4/R17d/8SC/120-347 |
| 23075                                                      | 4V476    | F60T12/CW/HO 15PK | 4100K       | 93319030                            | 421YH1   | LED24BDT8/G5/R17d/8SC/120-347 |
| 23077                                                      | 4V931    | F60T12/D/HO 15PK  | 6500K       | 93319030                            | 421YH1   | LED24BDT8/G5/R17d/8SC/120-347 |
| 13697                                                      | 3V438    | F72T12/CW/HO 15PK | 4100K       | 93319026                            | 421YH3   | LED30BDT8/G6/R17d/8SC/120-347 |
| 13699                                                      | 4V444    | F72T12/D/HO 15PK  | 6500K       | 93319026                            | 421YH3   | LED30BDT8/G6/R17d/8SC/120-347 |
| 13766                                                      | 4V445    | F84T12/CW/HO 15PK | 4100K       | 93319024                            | 421YH4   | LED35BDT8/G7/R17d/8SC/120-347 |
| 13767                                                      | 4V446    | F84T12/D/HO 15PK  | 6500K       | 93319024                            | 421YH4   | LED35BDT8/G7/R17d/8SC/120-347 |
| 66862                                                      | 24W605   | F96T12/HL41/HO/WM | 4100K       | 93319022                            | 912AX7   | LED42BDT8/G8/R17d/8SC/120-347 |
| 11918                                                      | 2F043    | F96T12/CW/HO/CT   | 4100K       | 93319022                            | 912AX7   | LED42BDT8/G8/R17d/8SC/120-347 |
| 11919                                                      | 2F045    | F96T12/D/HO/CT    | 6500K       | 93319022                            | 912AX7   | LED42BDT8/G8/R17d/8SC/120-347 |



## LED Lamps – Type A Plug-ins

Type A LED plug-in lamps are direct replacements for pin-based compact fluorescent lamps. These lamps operate from CFL ballasts. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.



Type A  
Horizontal

Horizontal orientation lamps  
feature a rotatable base



Type A  
Vertical

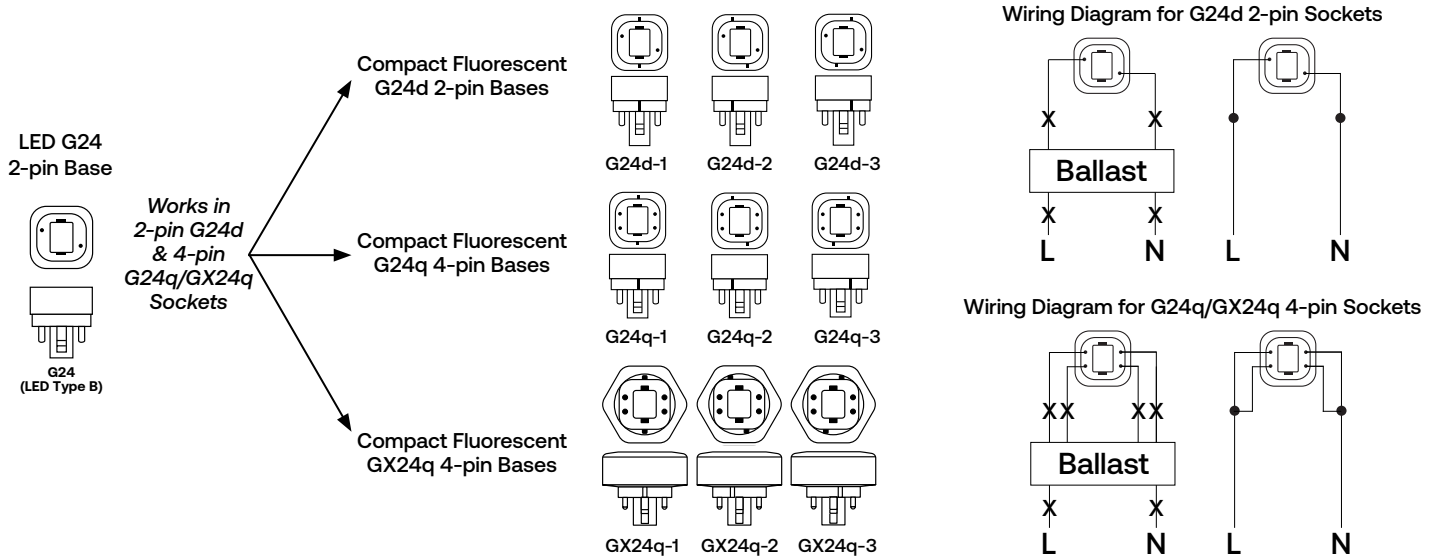
Type A plug-in bases can be used  
in a variety of sockets  
(see diagrams above product tables)

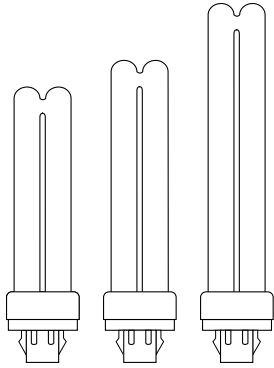


## LED Lamps – Type B Plug-ins

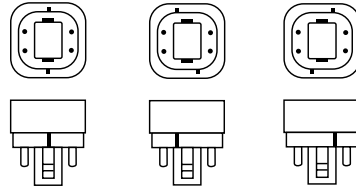
Type B LED plug-in lamps offer the opportunity to replace pin-based compact fluorescent lamps and eliminate costs related to the ballasts. Type B lamps operate from mains voltage. The fixture is re-wired to bypass the ballast. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.

Type B LED plug-in lamps can be used in a variety of compact fluorescent sockets. By re-wiring the socket and eliminating concerns related to ballast compatibility, a single lamp can fit and operate in a wider variety of sockets. Type B LED plug-in lamp bases do not have exclusionary features related to specific wattages like CFL lamps do. A 2-pin G24 lamp can fit in 2-pin G24d or 4-pin G24q/GX24q sockets as shown below.





F13DBX G24q-1  
F18DBX G24q-2  
F26DBX G24q-3



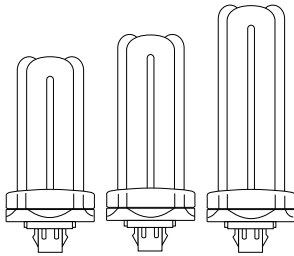
G24q-1 G24q-2 G24q-3

## Double Biax® Compact Fluorescent (4-pin)

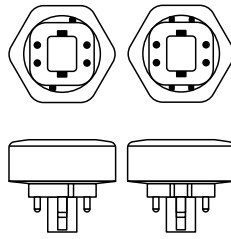
| 4-Pin Base: G24q-1 |          |                  |            | Ballast Bypass (Type B) LED Lamp |          |                    | Ballast Compatible (Type A) LED Lamp |            |          |                    |
|--------------------|----------|------------------|------------|----------------------------------|----------|--------------------|--------------------------------------|------------|----------|--------------------|
| Order Code         | Grainger | Description      | Color Temp | Order Code                       | Grainger | Description        | Position                             | Order Code | Grainger | Description        |
| 97594              | 1PGW2    | F13DBX/827/ECO4P | 2700K      | 93300068                         | 801W84   | LED8BG24-Q/827-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                    | Horizontal:                          | 33994      | 460U53   | LED9G24Q-H/827     |
| 97595              | 1PGW3    | F13DBX/830/ECO4P | 3000K      | 93300069                         | 801W85   | LED8BG24-Q/830-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                    | Horizontal:                          | 33997      | 460U54   | LED9G24Q-H/830     |
| 97596              | 1PGW4    | F13DBX/835/ECO4P | 3500K      | 93300080                         | 801W86   | LED8BG24-Q/835-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                    | Horizontal:                          | 33998      | 460U55   | LED9G24Q-H/835     |
| 97597              | 1PGW5    | F13DBX/841/ECO4P | 4100K      | 93300081                         | 801W87   | LED8BG24-Q/840-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                    | Horizontal:                          | 33999      | 460U56   | LED9G24Q-H/840     |

| 4-Pin Base: G24q-2 |          |                  |            | Ballast Bypass (Type B) LED Lamp |          |                     | Ballast Compatible (Type A) LED Lamp |            |          |                    |
|--------------------|----------|------------------|------------|----------------------------------|----------|---------------------|--------------------------------------|------------|----------|--------------------|
| Order Code         | Grainger | Description      | Color Temp | Order Code                       | Grainger | Description         | Position                             | Order Code | Grainger | Description        |
| 97598              | 1PGX1    | F18DBX/827/ECO4P | 2700K      | 93300082                         | 801W88   | LED10BG24-Q/827-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                     | Horizontal:                          | 33994      | 460U53   | LED9G24Q-H/827     |
| 97599              | 1PGX2    | F18DBX/830/ECO4P | 3000K      | 93300083                         | 801W89   | LED10BG24-Q/830-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                     | Horizontal:                          | 33997      | 460U54   | LED9G24Q-H/830     |
| 97600              | 1PGX3    | F18DBX/835/ECO4P | 3500K      | 93300084                         | 801W90   | LED10BG24-Q/835-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                     | Horizontal:                          | 33998      | 460U55   | LED9G24Q-H/835     |
| 97601              | 1PGX4    | F18DBX/841/ECO4P | 4100K      | 93300086                         | 801W92   | LED10BG24-Q/840-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            |                                  |          |                     | Horizontal:                          | 33999      | 460U56   | LED9G24Q-H/840     |

| 4-Pin Base: G24q-3 |          |                  |            | Ballast Bypass (Type B) LED Lamp |            |          |                             | Ballast Compatible (Type A) LED Lamp |            |          |                    |
|--------------------|----------|------------------|------------|----------------------------------|------------|----------|-----------------------------|--------------------------------------|------------|----------|--------------------|
| Order Code         | Grainger | Description      | Color Temp | Position                         | Order Code | Grainger | Description                 | Position                             | Order Code | Grainger | Description        |
| 97610              | 1PGY4    | F26DBX/827/ECO4P | 2700K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33994      | 460U53   | LED9G24Q-H/827     |
| 97611              | 1PGY5    | F26DBX/830/ECO4P | 3000K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33997      | 460U54   | LED9G24Q-H/830     |
| 97612              | 1PGY6    | F26DBX/835/ECO4P | 3500K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33998      | 460U55   | LED9G24Q-H/835     |
| 97613              | 1PGY7    | F26DBX/841/ECO4P | 4100K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                    |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33999      | 460U56   | LED9G24Q-H/840     |



F26TBX F32TBX F42TBX  
GX24q-3 GX24q-3 GX24q-4

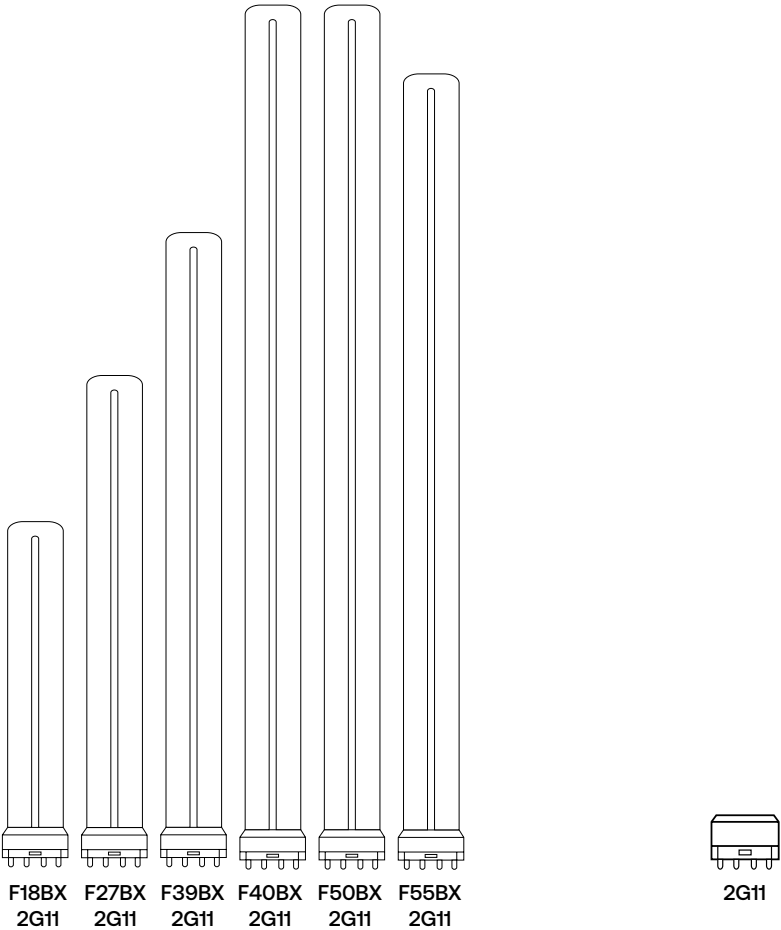


GX24q-3 GX24q-4

## Triple Biax® Compact Fluorescent (4-pin)

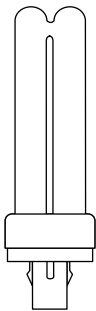
| 4-Pin Base: GX24q-3 |          |                  |            | Ballast Bypass (Type B) LED Lamp |            |          |                             | Ballast Compatible (Type A) LED Lamp |            |          |                    |
|---------------------|----------|------------------|------------|----------------------------------|------------|----------|-----------------------------|--------------------------------------|------------|----------|--------------------|
| Order Code          | Grainger | Description      | Color Temp | Position                         | Order Code | Grainger | Description                 | Position                             | Order Code | Grainger | Description        |
| 97614               | 1PGZ7    | F26TBX/827/A/ECO | 2700K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                     |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33994      | 460U53   | LED9G24q-H/827     |
| 97615               | 1PGZ8    | F26TBX/830/A/ECO | 3000K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                     |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33997      | 460U54   | LED9G24q-H/830     |
| 97616               | 1PGZ9    | F26TBX/835/A/ECO | 3500K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                     |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33998      | 460U55   | LED9G24q-H/835     |
| 97617               | 1PHA1    | F26TBX/841/A/ECO | 4100K      | Vertical:                        | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                            | 93300089   | 818F95   | LED9G24q-V/8SC-4PK |
|                     |          |                  |            | Horizontal:                      | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                          | 33999      | 460U56   | LED9G24q-H/840     |
| 97629               | 1PHA2    | F32TBX/827/A/ECO | 2700K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347     | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC   |
|                     |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347     | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC   |
| 97630               | 1PHA3    | F32TBX/830/A/ECO | 3000K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347     | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC   |
|                     |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347     | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC   |
| 97631               | 1PHA4    | F32TBX/835/A/ECO | 3500K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347     | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC   |
|                     |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347     | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC   |
| 97632               | 1PHA5    | F32TBX/841/A/ECO | 4100K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347     | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC   |
|                     |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347     | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC   |

| Base: GX24q-4 |          |                  |            | Ballast Bypass (Type B) LED Lamp |            |          |                         | Ballast Compatible (Type A) LED Lamp |            |          |                  |
|---------------|----------|------------------|------------|----------------------------------|------------|----------|-------------------------|--------------------------------------|------------|----------|------------------|
| Order Code    | Grainger | Description      | Color Temp | Position                         | Order Code | Grainger | Description             | Position                             | Order Code | Grainger | Description      |
| 97633         | 1PHA6    | F42TBX/827/A/ECO | 2700K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347 | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC |
|               |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347 | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC |
| 97634         | 1PHA7    | F42TBX/830/A/ECO | 3000K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347 | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC |
|               |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347 | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC |
| 97635         | 1PHA8    | F42TBX/835/A/ECO | 3500K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347 | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC |
|               |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347 | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC |
| 97636         | 1PHA9    | F42TBX/841/A/ECO | 4100K      | Vertical:                        | 93312489   | 830YC4   | LED18BG24-V/8SC/120-347 | Vertical:                            | 93314806   | 873MK1   | LED19GX24q-V/8SC |
|               |          |                  |            | Horizontal:                      | 93312525   | 830YC5   | LED18BG24-H/8SC/120-347 | Horizontal:                          | 93314804   | 852FY9   | LED19GX24q-H/8SC |

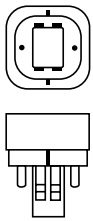


High Lumen Biax® Compact Fluorescent (4-pin)

| 4-Pin Base: 2G11 |          |                    |            | Ballast Bypass<br>(Type B) LED Lamp |          |                | Ballast Compatible<br>(Type A) LED Lamp |          |                  |
|------------------|----------|--------------------|------------|-------------------------------------|----------|----------------|-----------------------------------------|----------|------------------|
| Order Code       | Grainger | Description        | Color Temp | Order Code                          | Grainger | Description    | Order Code                              | Grainger | Description      |
| 16053            | 1E305    | F18BX/SPX35 10PK   | 3500K      | 93318810                            | –        | LED9B2G11/8SC  |                                         |          |                  |
| 16940            | 6V033    | F18BX/SPX41 10PK   | 4100K      | 93318810                            | –        | LED9B2G11/8SC  |                                         |          |                  |
| 28393            | 6V066    | F39BXSPX35RS10PK   | 3500K      | 93318822                            | –        | LED16B2G11/8SC |                                         |          |                  |
| 28458            | 6V039    | F39BXSPX41RS10PK   | 4100K      | 93318822                            | –        | LED16B2G11/8SC |                                         |          |                  |
| 75400            | 4FFC2    | F40/25BX/835/IS/WM | 3500K      | 93318828                            | 818F98   | LED17B2G11/8SC | 39074                                   | 48UV45   | LED172G11/835/10 |
| 16953            | 4VC25    | F40/30BX/SPX30     | 3000K      | 93318828                            | 818F98   | LED17B2G11/8SC | 39073                                   | 48UV44   | LED172G11/830/10 |
| 16648            | 4VC26    | F40/30BX/SPX35     | 3500K      | 93318828                            | 818F98   | LED17B2G11/8SC | 39074                                   | 48UV45   | LED172G11/835/10 |
| 16954            | 4VC27    | F40/30BX/SPX41     | 4100K      | 93318828                            | 818F98   | LED17B2G11/8SC | 39075                                   | 48UV46   | LED172G11/840/10 |
| 31952            | 6XV15    | F55BX/835          | 3500K      |                                     |          |                |                                         |          |                  |
| 31953            | 6XV16    | F55BX/840          | 4100K      |                                     |          |                |                                         |          |                  |



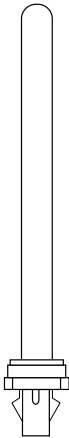
F13DBX  
GX23-2



GX23-2

Double Biax® Compact Fluorescent (2-pin)

| 2-Pin Base: GX23-2 |          |                  |            | Ballast Bypass<br>(Type B) LED Lamp |          |                   |
|--------------------|----------|------------------|------------|-------------------------------------|----------|-------------------|
| Order Code         | Grainger | Description      | Color Temp | Order Code                          | Grainger | Description       |
| 97586              | 1PGV3    | F13DBX23/827/ECO | 2700K      | 93312531                            | 830YC0   | LED8BGX23-2-O/827 |
| 97588              | 1PGV5    | F13DBX23/835/ECO | 3500K      | 93312543                            | 830YC2   | LED8BGX23-2-O/835 |
| 97589              | 1PGV6    | F13DBX23/841/ECO | 4100K      | 93312549                            | 830YC3   | LED8BGX23-2-O/840 |



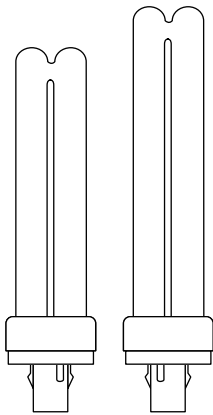
F13BX  
GX23



GX23

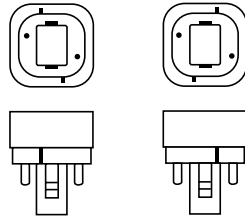
Low Watt Biax® Compact Fluorescent (2-pin)

| 2-Pin Base: GX23 |          |               |            | Ballast Bypass<br>(Type B) LED Lamp |          |               | Ballast Compatible<br>(Type A) LED Lamp |          |              |
|------------------|----------|---------------|------------|-------------------------------------|----------|---------------|-----------------------------------------|----------|--------------|
| Order Code       | Grainger | Description   | Color Temp | Order Code                          | Grainger | Description   | Order Code                              | Grainger | Description  |
| 97573            | 1PGU8    | F13BX/827/ECO | 2700K      | 93312495                            | 830YA5   | LED5BGX23/827 | 91404                                   | 54EL33   | LED5GX23/827 |
| 97569            | 1PGU5    | F13BX/835/ECO | 3500K      | 93312507                            | 830YA7   | LED5BGX23/835 | 91407                                   | 54EL35   | LED5GX23/835 |
| 97571            | 1PGU6    | F13BX/841/ECO | 4100K      | 93312513                            | 830YA8   | LED5BGX23/840 | 91408                                   | 54EL36   | LED5GX23/840 |



F18DBX  
G24d-2

F26DBX  
G24d-3



G24d-2

G24d-3

## Double Biax® Compact Fluorescent (2-pin)

| 2-Pin Base: G24d-2 |          |                |            | Ballast Bypass<br>(Type B) LED Lamp |            |          |                             | Ballast Compatible<br>(Type A) LED Lamp |            |          |                     |
|--------------------|----------|----------------|------------|-------------------------------------|------------|----------|-----------------------------|-----------------------------------------|------------|----------|---------------------|
| Order Code         | Grainger | Description    | Color Temp | Position                            | Order Code | Grainger | Description                 | Position                                | Order Code | Grainger | Description         |
| 97577              | 1PGW6    | F18DBX/827/ECO | 2700K      | Vertical:                           | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                               | 93300091   | 818F96   | LED11G24d-V/8SC-4PK |
|                    |          |                |            | Horizontal:                         | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                             | 93300090   | 818F97   | LED11G24d-H/8SC-4PK |
| 97579              | 1PGW8    | F18DBX/835/ECO | 3500K      | Vertical:                           | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                               | 93300091   | 818F96   | LED11G24d-V/8SC-4PK |
|                    |          |                |            | Horizontal:                         | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                             | 93300090   | 818F97   | LED11G24d-H/8SC-4PK |
| 97580              | 1PGW9    | F18DBX/841/ECO | 4100K      | Vertical:                           | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                               | 93300091   | 818F96   | LED11G24d-V/8SC-4PK |
|                    |          |                |            | Horizontal:                         | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                             | 93300090   | 818F97   | LED11G24d-H/8SC-4PK |

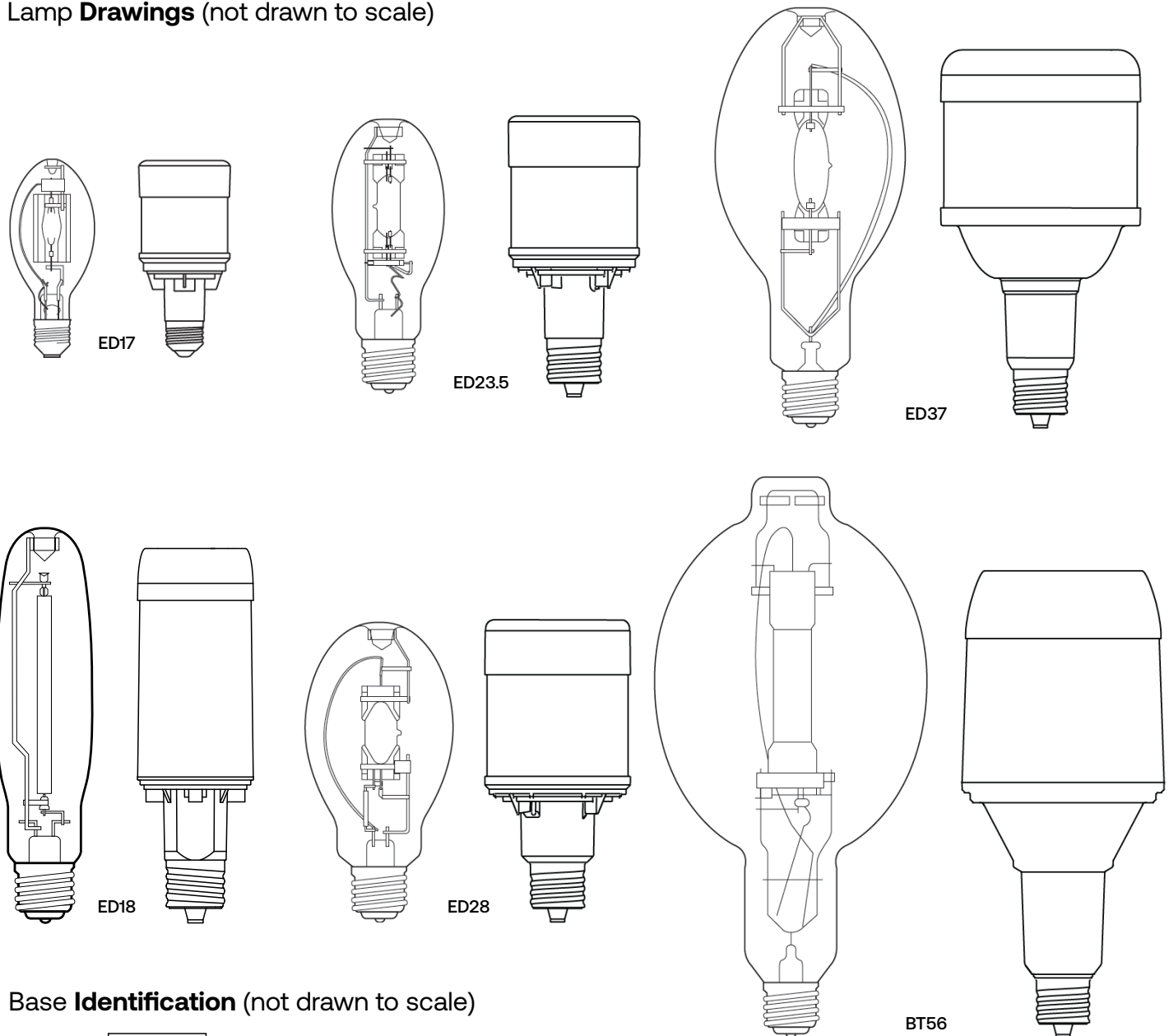
| 2-Pin Base: G24d-3 |          |                |            | Ballast Bypass<br>(Type B) LED Lamp |            |          |                             | Ballast Compatible<br>(Type A) LED Lamp |            |          |                     |
|--------------------|----------|----------------|------------|-------------------------------------|------------|----------|-----------------------------|-----------------------------------------|------------|----------|---------------------|
| Order Code         | Grainger | Description    | Color Temp | Position                            | Order Code | Grainger | Description                 | Position                                | Order Code | Grainger | Description         |
| 97606              | 1PGX9    | F26DBX/827/ECO | 2700K      | Vertical:                           | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                               | 93300091   | 818F96   | LED11G24d-V/8SC-4PK |
|                    |          |                |            | Horizontal:                         | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                             | 93300090   | 818F97   | LED11G24d-H/8SC-4PK |
| 97608              | 1PGY2    | F26DBX/835/ECO | 3500K      | Vertical:                           | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                               | 93300091   | 818F96   | LED11G24d-V/8SC-4PK |
|                    |          |                |            | Horizontal:                         | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                             | 93300090   | 818F97   | LED11G24d-H/8SC-4PK |
| 97609              | 1PGY3    | F26DBX/841/ECO | 4100K      | Vertical:                           | 93300088   | 801W93   | LED11BG24-V/8SC/120-347-4PK | Vertical:                               | 93300091   | 818F96   | LED11G24d-V/8SC-4PK |
|                    |          |                |            | Horizontal:                         | 93300087   | 801W91   | LED11BG24-H/8SC/120-347-4PK | Horizontal:                             | 93300090   | 818F97   | LED11G24d-H/8SC-4PK |



## LED Lamps – Type B HID

GE LED Lamps that replace traditional HID lamps are all Type B, which means the fixture is re-wired to bypass the ballast. Type B LED HID lamps offer a lower wattage and longer life alternative to traditional HID technology, and eliminate costs related to the ballasts. GE LED Lamps feature omnidirectional light output, with similar light distribution to traditional HID lamps. GE LED Lamps also adhere to the ANSI length and diameter of traditional HID bulb shapes, ensuring that the lamps will fit into fixtures and effectively utilize existing optics. Active cooling (with fans built into the lamps) is utilized to achieve very high output from compact lamps. NEMA Standard LL 10-2020 provides guidance for LED HID wattage equivalency claims.

### Lamp Drawings (not drawn to scale)



### Base Identification (not drawn to scale)





## NEMA LED HID Wattage Equivalency

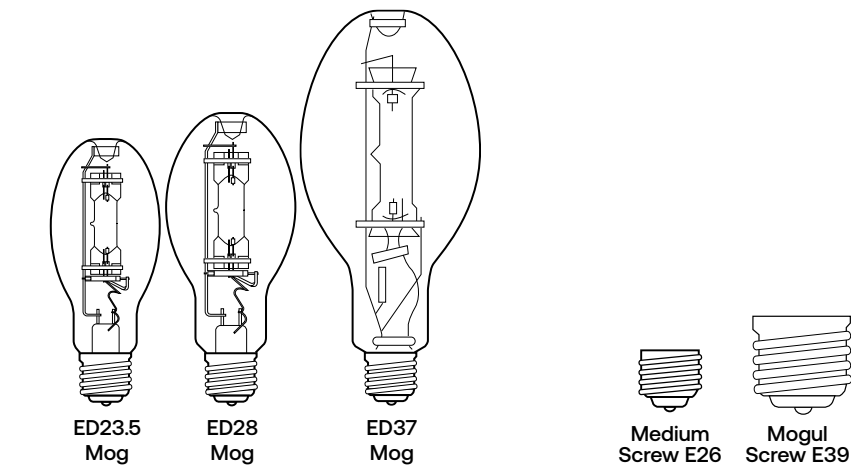
The National Electrical Manufacturers Association (NEMA) has published NEMA LS 20037-2024 (formerly NEMA LL 10-2020) Replacing HID Lamps with LED Lamps: Light Output Equivalency Claims. Current uses this Standard for LED products replacing HID lamps, meeting or exceeding the minimum LED light output for equivalency claims. The LED wattage equivalency varies based on the type of HID lamp being replaced – Metal Halide (MH) or High Pressure Sodium (HPS).

| Metal Halide Lamp Wattage (W) | Metal Halide Initial Light Output (lm) | Minimum LED Lamp Initial Light Output (lm) | Current LED Ordinary Location Retrofit Lamps Active Cooling | Current LED Selectable Ordinary Location Retrofit Lamps Active Cooling | Current LED Selectable Ordinary Location Retrofit Lamps Passive Cooling | Current LED <b>Hazardous Location</b> Retrofit Lamps Active Cooling |
|-------------------------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------|
| 50                            | 3,200                                  | 2,000                                      | LED21ED17                                                   | LED/LC/ED17                                                            | LED/LC/ED17P                                                            | LED21ED17/HAZ                                                       |
| 70                            | 5,200                                  | 3,000                                      | LED21ED17                                                   | LED/LC/ED17                                                            | LED/LC/ED17P                                                            | LED21ED17/HAZ                                                       |
| 100                           | 8,100                                  | 5,000                                      | LED35ED17; LED45ED17                                        | LED/LC/ED17                                                            |                                                                         | LED35ED17/HAZ; LED45ED17/HAZ                                        |
| 150                           | 12,000                                 | 7,500                                      | LED50ED23.5                                                 | LED/LC/ED23.5                                                          | LED/LC/ED23.5P; LED/LC/ED28P                                            |                                                                     |
| 175                           | 11,000                                 | 7,000                                      | LED45ED17; LED50ED23.5                                      | LED/LC/ED17; LED/LC/ED23.5                                             | LED/LC/ED23.5P; LED/LC/ED28P                                            |                                                                     |
| 250                           | 19,100                                 | 12,000                                     | LED80ED23.5                                                 | LED/LC/ED23.5                                                          | LED/LC/ED28P                                                            | LED80ED23.5/HAZ                                                     |
| 320                           | 25,600                                 | 16,500                                     | LED115ED28                                                  | LED/LC/ED28                                                            |                                                                         |                                                                     |
| 350                           | 28,400                                 | 18,000                                     | LED115ED28                                                  | LED/LC/ED28                                                            |                                                                         |                                                                     |
| 360                           | 29,400                                 | 19,000                                     | LED150ED28; LED120ED18                                      | LED/LC/ED28                                                            |                                                                         | LED150ED28/HAZ                                                      |
| 400                           | 33,100                                 | 21,500                                     | LED150ED28; LED180ED18                                      | LED/LC/ED28; LED/LC/ED37                                               |                                                                         | LED150ED28/HAZ                                                      |
| 750                           | 72,300                                 | 46,500                                     | LED360ED37                                                  | LED/LC/ED37                                                            |                                                                         |                                                                     |
| 1,000                         | 100,280                                | 65,000                                     | LED450BT56; LED470BT56                                      | LED/LC/ED37                                                            |                                                                         |                                                                     |
| 1,500                         | 153,000                                | 99,450                                     | LED520BT56                                                  |                                                                        |                                                                         |                                                                     |

| HPS Lamp Wattage (W) | HPS Initial Light Output (lm) | Minimum LED Lamp Initial Light Output (lm) | Current LED Ordinary Location Retrofit Lamps Active Cooling | Current LED Selectable Ordinary Location Retrofit Lamps Active Cooling | Current LED Selectable Ordinary Location Retrofit Lamps Passive Cooling | Current LED <b>Hazardous Location</b> Retrofit Lamps Active Cooling |
|----------------------|-------------------------------|--------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------|
| 50                   | 4,500                         | 2,500                                      | LED21ED17                                                   | LED/LC/ED17                                                            | LED/LC/ED17P                                                            | LED21ED17/HAZ                                                       |
| 70                   | 6,300                         | 4,000                                      | LED35ED17                                                   | LED/LC/ED17                                                            | LED/LC/ED17P                                                            | LED35ED17/HAZ                                                       |
| 100                  | 9,500                         | 6,000                                      | LED45ED17; LED50ED23.5                                      | LED/LC/ED17; LED/LC/ED23.5                                             | LED/LC/ED23.5P; LED/LC/ED28P                                            | LED45ED17/HAZ                                                       |
| 150                  | 13,000                        | 8,500                                      | LED80ED23.5                                                 | LED/LC/ED23.5                                                          | LED/LC/ED28P                                                            | LED80ED23.5/HAZ                                                     |
| 200                  | 19,500                        | 12,500                                     |                                                             | LED/LC/ED23.5                                                          |                                                                         |                                                                     |
| 250                  | 26,000                        | 17,000                                     | LED115ED28; LED120ED18                                      | LED/LC/ED28                                                            |                                                                         |                                                                     |
| 310                  | 33,200                        | 21,500                                     | LED150ED28                                                  | LED/LC/ED28                                                            |                                                                         | LED150ED28/HAZ                                                      |
| 400                  | 44,000                        | 29,000                                     | LED180ED18; LED270BT56                                      | LED/LC/ED37                                                            |                                                                         |                                                                     |
| 600                  | 66,000                        | 42,500                                     | LED360ED37                                                  | LED/LC/ED37                                                            |                                                                         |                                                                     |
| 750                  | 82,500                        | 53,500                                     | LED450BT56                                                  | LED/LC/ED37                                                            |                                                                         |                                                                     |
| 1,000                | 110,000                       | 73,000                                     | LED470BT56; LED520BT56                                      |                                                                        |                                                                         |                                                                     |



As of June 2024, only Mercury Vapor HID lamps are impacted by legislation. Other HID lamps listed are for reference only



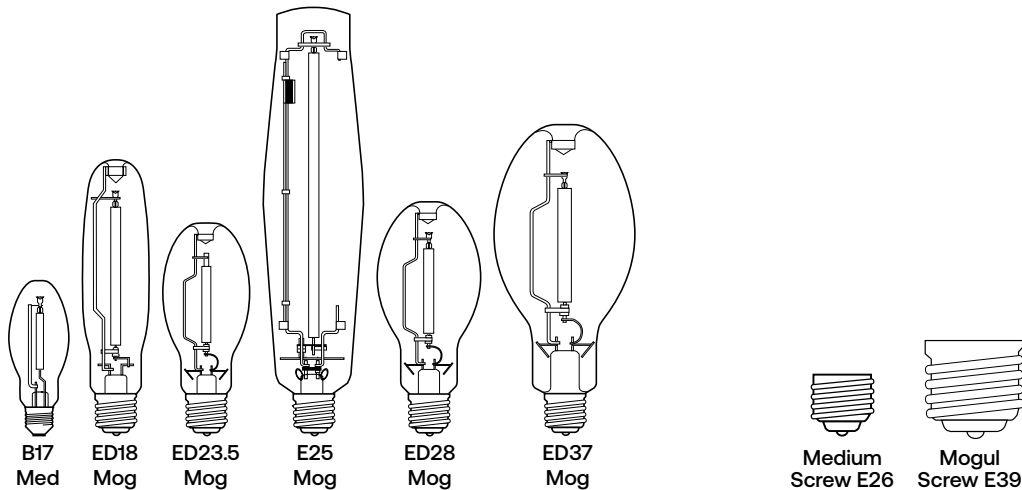
Mercury Vapor Lamps

| Mercury HID Lamps<br>100-400 Watts |          |             |            |           |             | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location<br>Active Cooling |          |                 | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location Selectable<br>Active Cooling |          |                    | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location Selectable<br>Passive Cooling |          |                    |
|------------------------------------|----------|-------------|------------|-----------|-------------|---------------------------------------------------------------------------|----------|-----------------|--------------------------------------------------------------------------------------|----------|--------------------|---------------------------------------------------------------------------------------|----------|--------------------|
| Order Code                         | Grainger | Description | Bulb Shape | Lamp Base | Color Temp. | Order Code                                                                | Grainger | Description     | Order Code                                                                           | Grainger | Description        | Order Code                                                                            | Grainger | Description        |
| 22575                              | 2V477    | HR100DX38   | ED23.5     | E39       | 3900K       | 22679                                                                     | 429U45   | LED50ED23.5/740 | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93314601                                                                              | 908YX3   | LED/LC/ED23.5P/7SC |
| 24062                              | -        | HR175DX39   | ED23.5     | E39       | 3900K       | 22679                                                                     | 429U45   | LED50ED23.5/740 | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC | 93314601                                                                              | 908YX3   | LED/LC/ED23.5P/7SC |
| 32127                              | 2V449    | HR250DX37   | ED28       | E39       | 3900K       | 22635                                                                     | 429U47   | LED80ED23.5/740 | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC | 93318804                                                                              | 421YG0   | LED/LC/ED28P/7SC   |
| 23998                              | 2V358    | HR400DX33   | ED37       | E39       | 3900K       | 22611                                                                     | 429U51   | LED150ED28/740  | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                    |

End users may choose from a variety of output levels and color temperatures when converting to LED. Lamps certified for use in hazardous locations are also available. Please see the LED HID Spec Sheets or the GE Lamps Catalog for the full list of LED Lamp options.



As of June 2024, only Mercury Vapor HID lamps are impacted by legislation. Other HID lamps listed are for reference only



High Pressure Sodium Lamps

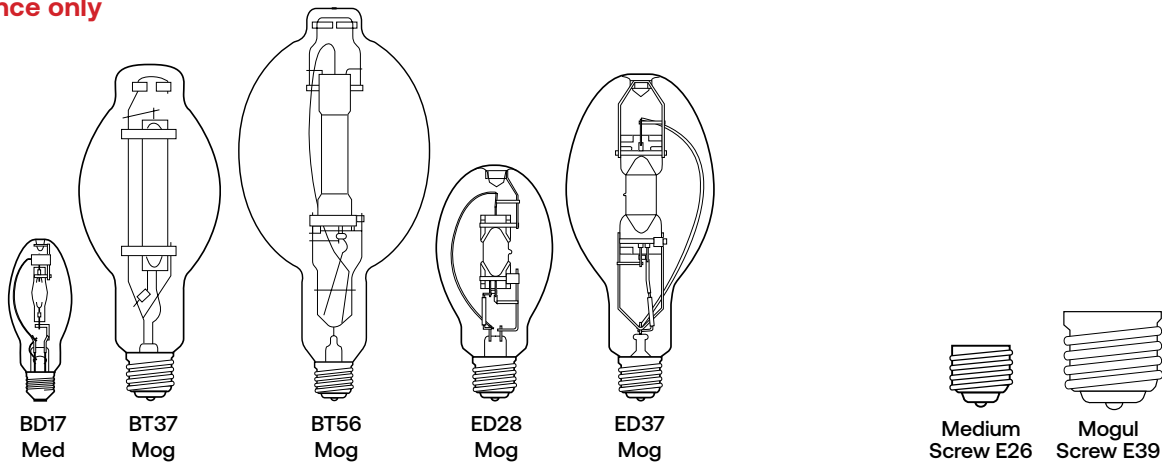
| HPS HID Lamps<br>70-1000 Watts |          |                |            |           |             | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location<br>Active Cooling |          |                        | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location Selectable<br>Active Cooling |          |                    | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location Selectable<br>Passive Cooling |          |                          |
|--------------------------------|----------|----------------|------------|-----------|-------------|---------------------------------------------------------------------------|----------|------------------------|--------------------------------------------------------------------------------------|----------|--------------------|---------------------------------------------------------------------------------------|----------|--------------------------|
| Order Code                     | Grainger | Description    | Bulb Shape | Lamp Base | Color Temp. | Order Code                                                                | Grainger | Description            | Order Code                                                                           | Grainger | Description        | Order Code                                                                            | Grainger | Description              |
| 11339                          | 2V632    | LU70/MED/ECO   | B17        | E26       | 1900K       | 22679                                                                     | 429U45   | LED50ED23.5/740        | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93316026                                                                              | 421YG2   | LED/LC/ED17P/7SC/120-347 |
| 85368                          | 2VAD4    | LU70/H/ECO     | ED23.5     | E39       | 1900K       | 22679                                                                     | 429U45   | LED50ED23.5/740        | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93314601                                                                              | 908YX3   | LED/LC/ED23.5P/7SC       |
| 13250                          | 4V604    | LU100/MED/ECO  | B17        | E26       | 2000K       | 93148082                                                                  | 818FA5   | LED45ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 85369                          | 2VAD5    | LU100/H/ECO    | ED23.5     | E39       | 2000K       | 22679                                                                     | 429U45   | LED50ED23.5/740        | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93314601                                                                              | 908YX3   | LED/LC/ED23.5P/7SC       |
| 13252                          | 2V713    | LU150/MED/ECO  | B17        | E26       | 2000K       | 93148082                                                                  | 818FA5   | LED45ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 85371                          | 2VAD7    | LU150/55/H/ECO | ED23.5     | E39       | 2000K       | 93112196                                                                  | 788VT6   | LED80ED23.5/730        | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC |                                                                                       |          |                          |
| 85372                          | 3APT4    | LU200/H/ECO    | ED18       | E39       | 2100K       | 93320018                                                                  | 421YF5   | LED120ED18/730/277-480 |                                                                                      |          |                    |                                                                                       |          |                          |
| 85377                          | 3APT5    | LU250/H/ECO    | ED18       | E39       | 2100K       | 93320018                                                                  | 421YF5   | LED120ED18/730/277-480 |                                                                                      |          |                    |                                                                                       |          |                          |
| 85379                          | 3APT6    | LU400/H/ECO    | ED18       | E39       | 2100K       | 93312096                                                                  | 830Y98   | LED180ED18/730         |                                                                                      |          |                    |                                                                                       |          |                          |
| 44058                          | 2V754    | LU1000/ECO     | E25        | E39       | 2100K       |                                                                           |          |                        |                                                                                      |          |                    |                                                                                       |          |                          |

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# Regulation Readiness – Fluorescent & HID Mercury Phase-Out



As of June 2024, only Mercury Vapor HID lamps are impacted by legislation. Other HID lamps listed are for reference only



## Multi-Vapor Metal Halide Lamps

| MH HID Lamps<br>50-1500 Watts |          |                    |            |           |             | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location<br>Active Cooling |          |                        | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location Selectable<br>Active Cooling |          |                    | Ballast Bypass<br>(Type B) LED HID<br>Ordinary Location Selectable<br>Passive Cooling |          |                          |
|-------------------------------|----------|--------------------|------------|-----------|-------------|---------------------------------------------------------------------------|----------|------------------------|--------------------------------------------------------------------------------------|----------|--------------------|---------------------------------------------------------------------------------------|----------|--------------------------|
| Order Code                    | Grainger | Description        | Bulb Shape | Lamp Base | Color Temp. | Order Code                                                                | Grainger | Description            | Order Code                                                                           | Grainger | Description        | Order Code                                                                            | Grainger | Description              |
| 10361                         | 1F398    | MXR50/U/MED        | BD17       | E26       | 3700K       | 27729                                                                     | 472Z16   | LED21ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93316026                                                                              | 421YG2   | LED/LC/ED17P/7SC/120-347 |
| 22158                         | 6V746    | MXR70/U/MED        | BD17       | E26       | 3500K       | 27729                                                                     | 472Z16   | LED21ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93316026                                                                              | 421YG2   | LED/LC/ED17P/7SC/120-347 |
| 12590                         | 1E694    | MVR70/U/MED        | BD17       | E26       | 4000K       | 27729                                                                     | 472Z16   | LED21ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93316026                                                                              | 421YG2   | LED/LC/ED17P/7SC/120-347 |
| 12377                         | 2F942    | MXR70/U/MED/O      | ED17       | E26       | 3200K       | 27729                                                                     | 472Z16   | LED21ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    | 93316026                                                                              | 421YG2   | LED/LC/ED17P/7SC/120-347 |
| 18680                         | 6V749    | MXR100/U/MED       | BD17       | E26       | 3200K       | 93112114                                                                  | -        | LED35ED17/730          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 12652                         | 1E674    | MVR100/U/MED       | BD17       | E26       | 4000K       | 27602                                                                     | 472Z18   | LED35ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 12381                         | 2F944    | MXR100/U/MED/O     | ED17       | E26       | 3200K       | 93112114                                                                  | -        | LED35ED17/730          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 12598                         | 1E690    | MVR150/U/MED       | BD17       | E26       | 4300K       | 93148082                                                                  | 818FA5   | LED45ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 45683                         | 6XT93    | MXR150/U/MED/O     | ED17       | E26       | 3500K       | 93148082                                                                  | 818FA5   | LED45ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 18902                         | 6V751    | MVR175/U/MED       | BD17       | E26       | 4000K       | 93148082                                                                  | 818FA5   | LED45ED17/740          | 93303384                                                                             | 801W96   | LED/LC/ED17/7SC    |                                                                                       |          |                          |
| 47760                         | 4V550    | MVR175/U           | ED28       | E39       | 4000K       | 22679                                                                     | 429U45   | LED50ED23.5/740        | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC | 93314601                                                                              | 908YX3   | LED/LC/ED23.5P/7SC       |
| 47761                         | 5V691    | MVR175/C/U         | ED28       | E39       | 3900K       | 22679                                                                     | 429U45   | LED50ED23.5/740        | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC | 93314601                                                                              | 908YX3   | LED/LC/ED23.5P/7SC       |
| 42729                         | 2V712    | MVR250/U           | ED28       | E39       | 4200K       | 22635                                                                     | 429U47   | LED80ED23.5/740        | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC | 93318804                                                                              | 421YG0   | LED/LC/ED28P/7SC         |
| 78665                         | 5GTN0    | MVR250/U/PA        | ED28       | E39       | 3900K       | 22635                                                                     | 429U47   | LED80ED23.5/740        | 93312104                                                                             | 859YF8   | LED/LC/ED23.5M/7SC | 93318804                                                                              | 421YG0   | LED/LC/ED28P/7SC         |
| 27501                         | 4WW54    | MVR320/VBU/HQ/PA   | ED28       | E39       | 4000K       | 22622                                                                     | 429U49   | LED115ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 46275                         | 6XV27    | MPR320/VBU/XHOPA   | ED37       | EX39      | 4000K       | 22622                                                                     | 429U49   | LED115ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 19609                         | 2TJ27    | MPR320/C/PA/ED28   | ED28       | EX39      | 3700K       | 22622                                                                     | 429U49   | LED115ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 18904                         | 5V658    | MVR400/U/ED28      | ED28       | E39       | 4000K       | 22611                                                                     | 429U51   | LED150ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 78666                         | 5GTN1    | MVR400/U/PA        | ED37       | E39       | 4000K       | 22611                                                                     | 429U51   | LED150ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 46271                         | 6XV24    | MVR400/VBUED28PA   | ED28       | E39       | 4000K       | 22611                                                                     | 429U51   | LED150ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 72885                         | 3APK3    | MVR400/HOR/ED28/PA | ED28       | E39       | 4100K       | 22611                                                                     | 429U51   | LED150ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 46273                         | 6XV25    | MPR400/VBU/XHOPA   | ED37       | EX39      | 4000K       | 22611                                                                     | 429U51   | LED150ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 18708                         | -        | MPR400/VBU/HO/O    | ED37       | EX39      | 3400K       | 22611                                                                     | 429U51   | LED150ED28/740         | 93312102                                                                             | 859YF9   | LED/LC/ED28/7SC    |                                                                                       |          |                          |
| 18205                         | 3JK41    | MVR1000/U/BT37     | BT37       | E39       | 3700K       |                                                                           |          |                        | 93311586                                                                             | 859YG0   | LED/LC/ED37/740    |                                                                                       |          |                          |
| 41433                         | 5XP29    | MPR1000/VBU/HO/O   | BT56       | EX39      | 3500K       | 93096445                                                                  | 493V24   | LED450BT56/740         | 93311586                                                                             | 859YG0   | LED/LC/ED37/740    |                                                                                       |          |                          |
| 47326                         | 4V484    | MVR1500/U/SPORTS   | BT56       | E39       | 4000K       | 93320138                                                                  | 421YG4   | LED520BT56/740/208-277 |                                                                                      |          |                    |                                                                                       |          |                          |

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