

# SYLVANIA Lamps

## Natural™ Series B10

### TruWave Technology™

TruWave Technology offers the best alternative to natural light by mimicking the natural light spectrum, all while saving energy.

### Benefits and Features

- Controls blue wavelengths for lower glare and reduced eye strain to improve readability and supports an improved sleep-wake cycle
- Perfect fit where clean light color rendering is needed for seeing realistic, vivid colors without sacrificing light output
- Properly saturates red to make building spaces and flesh tones accurate and vibrant, without oversaturating (which compromises energy efficiency)
- Exceptional color quality without the loss of efficacy typical of most 90+ CRI solutions
- Up to 91 LPW
- 2700K and 5000K color temperatures
- CRI 90+ for exceptional color quality

### Electrical

- 120VAC
- Power factor >0.90
- Dimmable down to 10%

### Rated Life

- 15,000 hours (L<sub>70</sub>)

### Warranty

- 5 year limited lamp warranty (3 hours per day operation)

### Ambient Operating Range

- -4°F to 113°F (-20°C to 45°C)



### Wattage Comparison

| Traditional Source | Traditional System Wattage | LED System Wattage | Energy Savings |
|--------------------|----------------------------|--------------------|----------------|
| Incandescent       | 25                         | 3                  | \$36           |
| Incandescent       | 40                         | 4                  | \$59           |
| Incandescent       | 40                         | 4.5                | \$59           |
| Incandescent       | 60                         | 5.5                | \$90           |

### Certifications and Listings

- cULus
- RoHS
- Lead Free
- FCC\*
- ENERGY STAR®
- California Title 20

\*FCC Title 47 CFR, Part 15 Subpart B Class B



## Specification Data

|             |      |
|-------------|------|
| Catalog #   | Type |
| Project     |      |
| Comments    |      |
| Prepared by |      |

## Ordering Guide

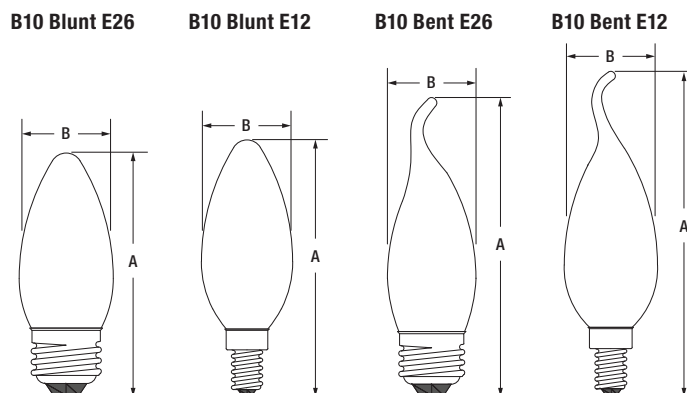
| LED | XX  | B10              | X   | XXXX                                      | DIM               | 9             | XX  | XX                                       | 13Y                                | TL  | BLX                                    |
|-----|---|------------------|---|---|-------------------|---------------|---|--|------------------------------------|---|--|
| LED | Wattage<br>3 = 3 Watts<br>4 = 4 Watts<br>4.5 = 4.5 Watts<br>5.5 = 5.5 Watts | Lamp Type<br>B10 | Base Type<br>Blank = Medium<br>C = Candelabra | Bulb Type<br>BENT = Bent<br>BLUNT = Blunt | DIM =<br>Dimmable | CRI<br>9 = 90 | Color Temperature<br>27 = 2700K<br>50 = 5000K | Bulb Finish<br>CL = Clear<br>F = Frosted | Lamp Life<br>13Y = 13 Year<br>Life | TL = Natural<br>with TruWave<br>Technology™ | BL = Blister Pack<br>BL2 = 2PK Blister |

## Ordering Information

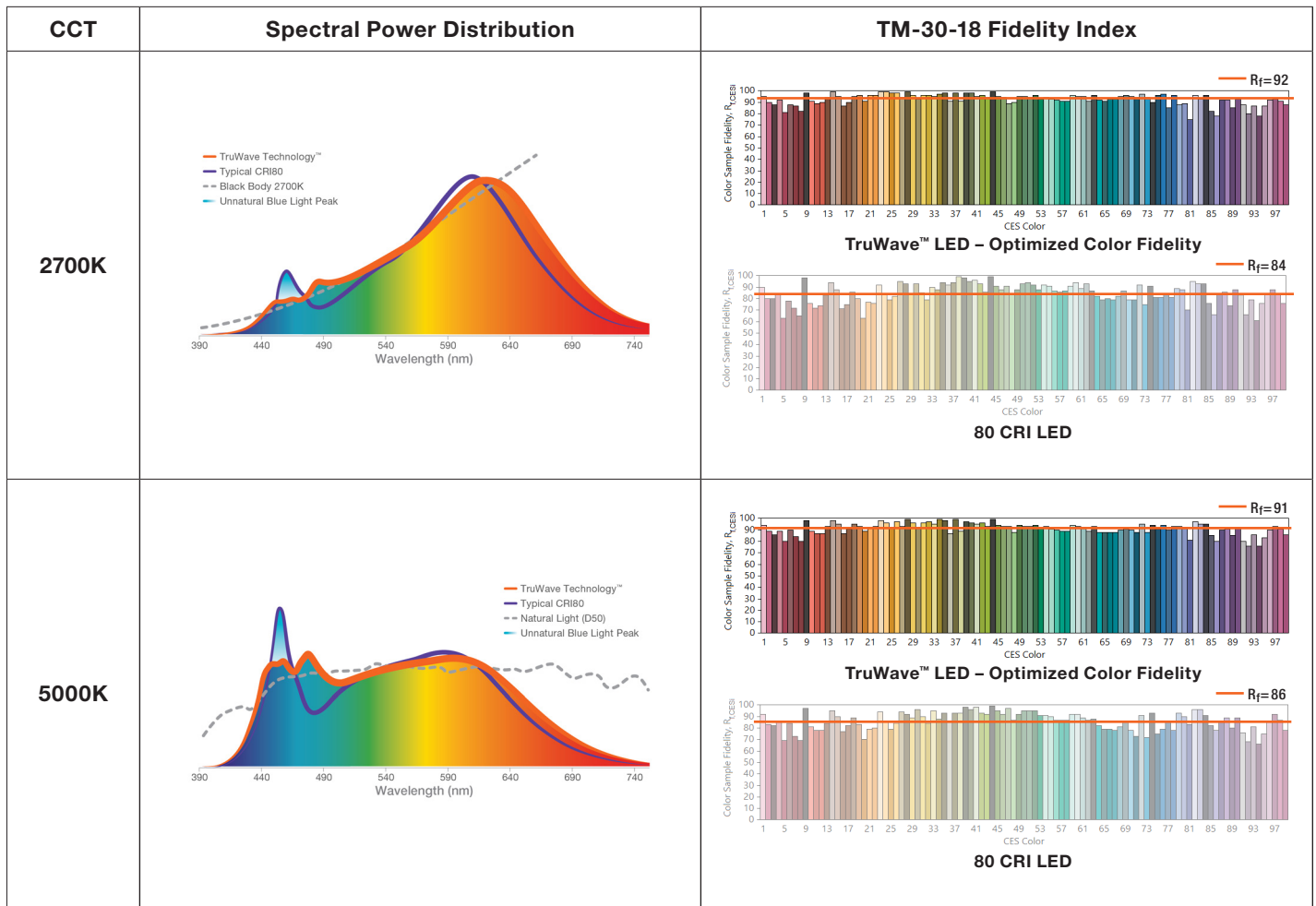
| Item Number | Ordering Abbreviation                     | Power (W) | Base Type | Input Voltage | Average Life (hrs) | Typical Lumens (lm) | CCT   | CRI | LPW | CEC |
|-------------|---|-----------|-----------|---------------|--------------------|---------------------|-------|-----|-----|-----|
| 40854       | LED3B10CBENTDIMCL92713YTLBL2 12/CS 2/SKU  | 3         | E12       | 120V          | 15,000             | 200                 | 2700K | 90+ | 67  | Yes |
| 40855       | LED3B10CBENTDIMCL95013YTLBL2 12/CS 2/SKU  | 3         | E12       | 120V          | 15,000             | 200                 | 5000K | 90+ | 67  | Yes |
| 40755       | LED4B10CBENTDIM927CL13YTLBL2 12/CS 2/SKU  | 4         | E12       | 120V          | 15,000             | 350                 | 2700K | 90+ | 88  | Yes |
| 40756       | LED4B10CBENTDIM927CL13YTLBL2 12/CS 2/SKU  | 4         | E26       | 120V          | 15,000             | 350                 | 2700K | 90+ | 88  | Yes |
| 40791       | LED4B10CBENTDIM950CL13YTLBL2 12/CS 2/SKU  | 4         | E12       | 120V          | 15,000             | 350                 | 5000K | 90+ | 88  | Yes |
| 40792       | LED4B10CBENTDIM950CL13YTLBL2 12/CS 2/SKU  | 4         | E26       | 120V          | 15,000             | 350                 | 5000K | 90+ | 88  | Yes |
| 40793       | LED4B10BLUNTDIM927CL13YTLBL2 12/CS 2/SKU  | 4         | E26       | 120V          | 15,000             | 350                 | 2700K | 90+ | 88  | Yes |
| 40794       | LED4B10BLUNTDIM927CL13YTLBL2 12/CS 2/SKU  | 4         | E12       | 120V          | 15,000             | 350                 | 2700K | 90+ | 88  | Yes |
| 40779       | LED4.5B10CBENTDIMF92713YTLBL2 12/CS 2/SK  | 4.5       | E12       | 120V          | 15,000             | 350                 | 2700K | 90+ | 78  | Yes |
| 40780       | LED4.5B10CBENTDIMF95013YTLBL2 12/CS 2/SK  | 4.5       | E12       | 120V          | 15,000             | 350                 | 5000K | 90+ | 78  | Yes |
| 40757       | LED5.5B10CBENTDIM927CL13YTLBL 12/CS 2/SK  | 5.5       | E12       | 120V          | 15,000             | 500                 | 2700K | 90+ | 91  | Yes |
| 40758       | LED5.5B10CBENTDIM927CL13YTLBL2 12/CS 2/SK | 5.5       | E26       | 120V          | 15,000             | 500                 | 2700K | 90+ | 91  | Yes |
| 40759       | LED5.5B10CBENTDIM950CL13YTLBL 12/CS 2/SK  | 5.5       | E12       | 120V          | 15,000             | 500                 | 5000K | 90+ | 91  | Yes |
| 40760       | LED5.5B10CBENTDIM950CL13YTLBL2 12/CS 2/SK | 5.5       | E26       | 120V          | 15,000             | 500                 | 5000K | 90+ | 91  | Yes |
| 40781       | LED5.5B10CBENTDIMF92713YTLBL2 12/CS 2/SK  | 5.5       | E12       | 120V          | 15,000             | 500                 | 2700K | 90+ | 91  | Yes |
| 40782       | LED5.5B10CBENTDIMF95013YTLBL2 12/CS 2/SK  | 5.5       | E12       | 120V          | 15,000             | 500                 | 5000K | 90+ | 91  | Yes |
| 40783       | LED5.5B10CBENTDIMF92713YTLBL2 12/CS 2/SKU | 5.5       | E26       | 120V          | 15,000             | 500                 | 2700K | 90+ | 91  | Yes |
| 40795       | LED5.5B10BLUNTDIM927CL13YTLBL2 12/CS 2/S  | 5.5       | E26       | 120V          | 15,000             | 500                 | 2700K | 90+ | 91  | Yes |
| 40796       | LED5.5B10BLUNTDIM927CL13YTLBL 12/CS 2/    | 5.5       | E12       | 120V          | 15,000             | 500                 | 2700K | 90+ | 91  | Yes |

## Physical Information

|               | (A)<br>Height<br>inches (mm) | (B)<br>Diameter<br>inches (mm) |
|---------------|------------------------------|--------------------------------|
| B10 Blunt E26 | 3.54 (90)                    | 1.38 (35)                      |
| B10 Blunt E12 | 3.90 (99)                    | 1.38 (35)                      |
| B10 Bent E26  | 4.33 (110)                   | 1.38 (35)                      |
| B10 Bent E12  | 4.72 (120)                   | 1.38 (35)                      |



## Color Quality Comparison



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