

SYLVANIA Lamps

TruWave® Technology B10/B13

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 115 LPW
- 2700K, 3500K, and 5000K color temperatures

Electrical

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

Rated Life

- 15,000 hours (L₇₀)

Warranty

- 5 year limited lamp warranty (3 hours per day operation)
- NLB Trusted Warranty Program

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	88%
Incandescent	40	4	90%
Incandescent	40	4.5	88%
Incandescent	60	5.5	90%
Incandescent	75	6	92%
Incandescent	100	6.5	93.5%

Certifications and Listings

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

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



LED539R3 8-23



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

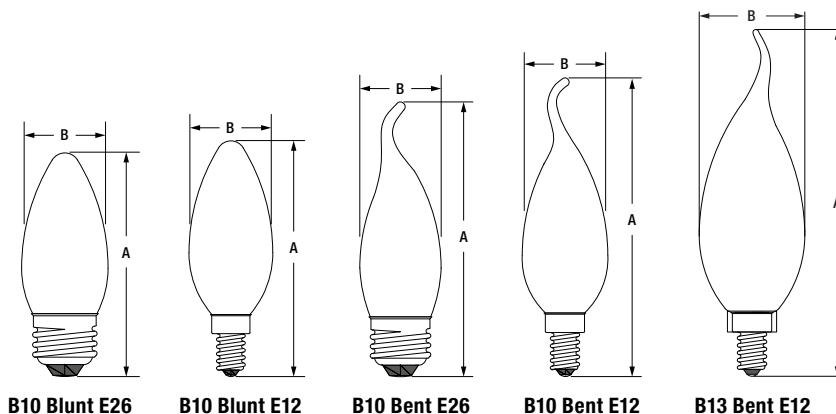
LED	XX	B1X	X	XXXXX	DIM	9	XX	XX	13Y	TL	BLX
LED	Wattage 2 = 2 Watts 3 = 3 Watts 3.5 = 3.5 Watts 4 = 4 Watts 4.5 = 4.5 Watts 5 = 5 Watts 5.5 = 5.5 Watts 6 = 6 Watts 6.5 = 6.5 Watts	Lamp Type B10 B13	Base Type Blank = Medium C = Candelabra	Bulb Type BENT = Bent Tip BLUNT = Blunt Tip	DIM = Dimmable	CRI 9 = 90	Color Temperature 27 = 2700K 35 = 3500K 50 = 5000K	Bulb Finish CL = Clear F = Frosted	Lamp Life 13Y = 13 Year Life	TL = TruWave® Technology	BL = Blister Pack BL2 = 2PK Blister RP6 = 6PK

Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Replaces (W)	Base Type	Input Voltage (V)	Average Life (hrs)	Typical Lumens (lm)	CCT	CRI	LPW	CEC
42097	LED2B10CBENTDIM935CL13YTLBL2 12/CS 2/SKU	2	25	E12	120	15,000	200	3500K	90+	100	Yes
40854	LED3B10CBENTDIMCL92713YTLBL2 12/CS 2/SKU	3	25	E12	120	15,000	200	2700K	90+	67	Yes
40855	LED3B10CBENTDIMCL95013YTLBL2 12/CS 2/SKU	3	25	E12	120	15,000	200	5000K	90+	67	Yes
42093	LED3.5B10CBENTDIM935CL13YTLBL2 12CS 2SKU	3.5	40	E12	120	15,000	350	3500K	90+	100	Yes
42094	LED3.5B10BENTDIM935CL13YTLBL2 12/CS 2/SK	3.5	40	E26 (med)	120	15,000	350	3500K	90+	100	Yes
42082	LED3.5B10CBENTDIM935F13YTLBL2 12/CS 2/SK	3.5	40	E12	120	15,000	350	3500K	90+	100	Yes
40755	LED4B10CBENTDIM927CL13YTLBL2 12/CS 2/SKU	4	40	E12	120	15,000	350	2700K	90+	88	Yes
40756	LED4B10BENTDIM927CL13YTLBL2 12/CS 2/SKU	4	40	E26 (med)	120	15,000	350	2700K	90+	88	Yes
41319	LED4B10CBENTDIM927CL13YTLRP6 18/CS 6/SKU	4	40	E12	120	15,000	350	2700K	90+	88	Yes
40791	LED4B10CBENTDIM950CL13YTLBL2 12/CS 2/SKU	4	40	E12	120	15,000	350	5000K	90+	88	Yes
40792	LED4B10BENTDIM950CL13YTLBL2 12/CS 2/SKU	4	40	E26 (med)	120	15,000	350	5000K	90+	88	Yes
41320	LED4B10CBENTDIM950CL13YTLRP6 18/CS 6/SKU	4	40	E12	120	15,000	350	5000K	90+	88	Yes
40793	LED4B10BLUNTIDIM927CL13YTLBL2 12/CS 2/SKU	4	40	E26 (med)	120	15,000	350	2700K	90+	88	Yes
40794	LED4B10CBLUNTIDIM927CL13YTLBL2 12/CS 2/SKU	4	40	E12	120	15,000	350	2700K	90+	88	Yes
40779	LED4.5B10CBENTDIMF92713YTLBL2 12/CS 2/SKU	4.5	40	E12	120	15,000	350	2700K	90+	78	Yes
40780	LED4.5B10CBENTDIMF95013YTLBL2 12/CS 2/SKU	4.5	40	E12	120	15,000	350	5000K	90+	78	Yes
42096	LED5B10BENTDIM935CL13YTLBL2 12/CS 2/SKU	5	60	E26 (med)	120	15,000	500	3500K	90+	100	Yes
40757	LED5.5B10CBENTDIM927CL13YTLBL 12/CS 2/SKU	5.5	60	E12	120	15,000	500	2700K	90+	91	Yes
40773	LED5.5B10CBENTDIM927CL13YTLRP 18/CS 6/SKU	5.5	60	E12	120	15,000	500	2700K	90+	91	Yes
40758	LED5.5B10BENTDIM927CL13YTLBL2 12/CS 2/SKU	5.5	60	E26 (med)	120	15,000	500	2700K	90+	91	Yes
40781	LED5.5B10CBENTDIMF92713YTLBL2 12/CS 2/SKU	5.5	60	E12	120	15,000	500	2700K	90+	91	Yes
40783	LED5.5B10BENTDIMF92713YTLBL2 12/CS 2/SKU	5.5	60	E26 (med)	120	15,000	500	2700K	90+	91	Yes
40795	LED5.5B10BLUNTIDIM927CL13YTLBL2 12/CS 2/SKU	5.5	60	E26 (med)	120	15,000	500	2700K	90+	91	Yes
40796	LED5.5B10CBLUNTIDIM927CL13YTLBL 12/CS 2/SKU	5.5	60	E12	120	15,000	500	2700K	90+	91	Yes
42083	LED5.5B10CBENTDIM935F13YTL 12/CS 2/SKU	5.5	60	E12	120	15,000	500	3500K	90+	91	Yes
42095	LED5.5B10CBENTDIM935CL13YTLBL2 12CS 2SKU	5.5	60	E12	120	15,000	500	3500K	90+	91	Yes
40760	LED5.5B10BENTDIM950CL13YTLBL2 12/CS 2/SKU	5.5	60	E26 (med)	120	15,000	500	5000K	90+	91	Yes
40759	LED5.5B10CBENTDIM950CL13YTLBL 12/CS 2/SKU	5.5	60	E12	120	15,000	500	5000K	90+	91	Yes
41322	LED5.5B10CBENTDIM950CL13YTLRP6 18/CS 6/SKU	5.5	60	E12	120	15,000	500	5000K	90+	91	Yes
40782	LED5.5B10CBENTDIMF95013YTLBL2 12/CS 2/SKU	5.5	60	E12	120	15,000	500	5000K	90+	91	Yes
41323	LED6B13CBENTDIM927CL13YTLRP2 12/CS 2/SKU	6	100	E12	120	15,000	650	2700K	90+	108	No
41324	LED6B13CBENTDIM950CL13YTLRP2 12/CS 2/SKU	6	100	E12	120	15,000	650	5000K	90+	108	No
41325	LED6.5B13CBENTDIM927CL13YTLRP2 12CS 2SKU	6.5	100	E12	120	15,000	750	2700K	90+	115	No
42084	LED6.5B13CBENTDIM935CL13YTLRP2 12CS 2SKU	6.5	100	E12	120	15,000	750	3500K	90+	115	Yes
41326	LED6.5B13CBENTDIM950CL13YTLRP2 12CS 2SKU	6.5	100	E12	120	15,000	750	5000K	90+	115	No

Physical Information

	(A) Height inches (mm)	(B) Diameter 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)
B13 Bent E12	5.55 (141)	1.69 (43)



B10 Blunt E26

B10 Blunt E12

B10 Bent E26

B10 Bent E12

B13 Bent E12

Color Quality Comparison

CCT	Spectral Power Distribution	TM-30-18 Fidelity Index
2700K		
3500K		
5000K		

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