

SYLVANIA Lamps

TruWave® Technology A21/A23 3-Way Lamps

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

Electrical

- 120VAC
- Power factor >0.90

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	40/60/100	6.5/9/13.5	\$143
Incandescent	50/100/150	8/16/21	\$213
Incandescent	50/200/250	8/28/33	\$358

Certifications and Listings

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

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



LED538R2 8-23



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

LED	XXX	AXX	3WAY	0	9	XX	XX	13Y	TL	RP
LED	Wattage 13.5 = 13.5 Watts 21 = 21 Watts 33 = 33 Watts	Lamp Type A21	3-Way	0 = Omnidirectional	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	RP = Retail Pack

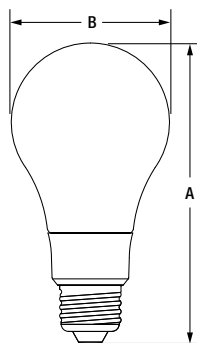
Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Replaces (W)	Base Type	Input Voltage (V)	Average Life (hrs)	Typical Lumens (lm)	CCT	CRI	LPW	CEC	Material
40769	LED13.5A213WAY0927CL13YTLRP 6/CS 1/SKU	6.5/9/13.5	40/60/100	E26	120	15,000	450/800/1450	2700K	90+	69/88/107	Yes	Glass
40770	LED13.5A213WAY0950CL13YTLRP 6/CS 1/SKU	6.5/9/13.5	40/60/100	E26	120	15,000	450/800/1450	5000K	90+	69/88/107	Yes	Glass
40777	LED13.5A213WAY0927F13YTLRP 6/CS 1/SKU	6.5/9/13.5	40/60/100	E26	120	15,000	450/800/1450	2700K	90+	69/88/107	Yes	Glass
40778	LED13.5A213WAY0950F13YTLRP 6/CS 1/SKU	6.5/9/13.5	40/60/100	E26	120	15,000	450/800/1450	5000K	90+	69/88/107	Yes	Glass
41524	LED13.5A213WAY0935F13YTLRP 6/CS 1/SKU	6.5/9/13.5	40/60/100	E26	120	15,000	600/900/1450	3500K	90+	93/100/108	Yes	Glass
41927	LED21A213WAY0927TLRP 6/CS 1/SKU	8/16/21	50/100/150	E26	120	15,000	700/1600/2150	2700K	90+	88/100/94	Yes	Plastic
42080	LED21A213WAY0935TLRP 6/CS 1/SKU	8/28/33	50/100/150	E26	120	15,000	700/1600/2150	3500K	90+	88/100/94	Yes	Plastic
41928	LED21A213WAY0950TLRP 6/CS 1/SKU	8/16/21	50/100/150	E26	120	15,000	700/1600/2150	5000K	90+	88/100/94	Yes	Plastic
41929	LED33A233WAY0927TLRP 6/CS 1/SKU	8/28/33	50/200/250	E26	120	15,000	800/3000/3400	2700K	90+	100/107/103	Yes	Plastic
42081	LED33A233WAY0935TLRP 6/CS 1/SKU	8/28/33	50/200/250	E26	120	15,000	800/3000/3400	3500K	90+	100/107/103	Yes	Plastic
41930	LED33A233WAY0950TLRP 6/CS 1/SKU	8/28/33	50/200/250	E26	120	15,000	800/3000/3400	5000K	90+	100/107/103	Yes	Plastic

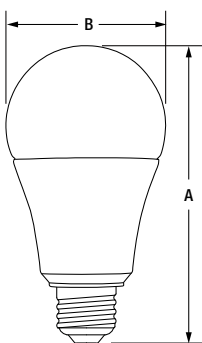
Physical Information

	(A) Height inches (mm)	(B) Diameter inches (mm)
A21 3-Way 100W	5.12 (130)	2.64 (67)
A21 3-Way 150W	5.3 (134.5)	2.75 (70)
A23 3-Way 250W	6.37 (162)	3.30 (84)

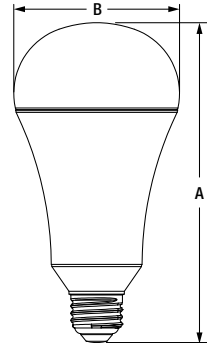
A21 3-Way 100W



A21 3-Way 150W



A23 3-Way 250W



Color Quality Comparison

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

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