

# SYLVANIA Lamps

## TruWave® Technology A19/A21

### 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 123 LPW
- 2700K, 3000K, 3500K, 4000K and 5000K color temperatures
- Approved for enclosed fixtures
- Suitable for damp locations

### Electrical

- 120V<sub>AC</sub>
- 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	40	5.5	\$57
Incandescent	60	8	\$86
Incandescent	75	11	\$106
Incandescent	100	15	\$140

### Certifications and Listings

- cULus
- cETLus
- RoHS
- Lead Free
- FCC\*
- California Title 20

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



Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

LED	XX	AXX	DIM	O	XX	9	XX	13Y	TL	RPX
LED	Wattage 5 = 5 Watts 5.5 = 5.5 Watts 8 = 8 Watts 11 = 11 Watts 15 = 15 Watts	Lamp Type A19, A21	DIM = Dimmable	Direction O = Omnidirectional	Bulb Finish CL = Clear	CRI 9 = 90+	Color Temperature 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	Lamp Life 13Y = 13 Year Life	TL = TruWave® Technology	RP = 1PK Retail RP2 = 2PK Retail RP4 = 4PK Retail RP6 = 6PK Retail

Ordering Information

Item Number	Ordering Abbreviation	Finish	Power (W)	Base Type	Input Voltage	Average Life (hrs)	Typical Lumens (lm)	CCT	CRI	LPW	Replaces (W)
42098	LED5A19DIMCL93513YTLRP4 16/CS 4/SKU	Clear	5	E26	120V	15,000	450	3500K	90+	90	40W
40686	LED5.5A19DIMCL92713YTLRP4 16/CS 4/SKU	Clear	5.5	E26	120V	15,000	450	2700K	90+	82	40W
40699	LED5.5A19DIMCL92713YTLRP 6/CS 1/SKU	Clear	5.5	E26	120V	15,000	450	2700K	90+	82	40W
49826	LED5.5A19DIMCL95013YTLRP4 16/CS 4/SKU	Clear	5.5	E26	120V	15,000	450	5000K	90+	82	40W
40700	LED8A19DIMCL92713YTLRP 6/CS 1/SKU	Clear	8	E26	120V	15,000	800	2700K	90+	100	60W
40687	LED8A19DIMCL92713YTLRP4 16/CS 4/SKU	Clear	8	E26	120V	15,000	800	2700K	90+	100	60W
42099	LED8A19DIMCL93513YTLRP4 16/CS 4/SKU	Clear	8	E26	120V	15,000	800	3500K	90+	100	60W
49827	LED8A19DIMCL95013YTLRP4 16/CS 4/SKU	Clear	8	E26	120V	15,000	800	5000K	90+	100	60W
40701	LED11A19DIMCL92713YTLRP 6/CS 1/SKU	Clear	11	E26	120V	15,000	1100	2700K	90+	100	75W
40688	LED11A19DIMCL92713YTLRP4 16/CS 4/SKU	Clear	11	E26	120V	15,000	1100	2700K	90+	100	75W
42100	LED11A19DIMCL93513YTLRP4 16/CS 4/SKU	Clear	11	E26	120V	15,000	1100	3500K	90+	100	75W
40803	LED11A19DIMCL95013YTLRP4 16/CS 4/SKU	Clear	11	E26	120V	15,000	1100	5000K	90+	100	75W
42275	LED15A19DIMCL092713YTLRP4 16/CS 4/SKU	Clear	15	E26	120V	15,000	1600	2700K	90+	107	100W
42303	LED15A19DIMCL092713YTLRP 6/CS 1/SKU	Clear	15	E26	120V	15,000	1600	2700K	90+	107	100W
42274	LED15A19DIMCL093513YTLRP4 16/CS 4/SKU	Clear	15	E26	120V	15,000	1600	3500K	90+	107	100W
42273	LED15A19DIMCL095013YTLRP4 16/CS 4/SKU	Clear	15	E26	120V	15,000	1600	5000K	90+	107	100W
41296	LED5A19DIMO93513YTLRP4 16/CS 4/SKU	Frosted	5	E26	120V	15,000	450	3500K	90+	82	40W
40724	LED5.5A19DIMO92713YTLRP 6/CS 1/SKU	Frosted	5.5	E26	120V	15,000	450	2700K	90+	82	40W
40668	LED5.5A19DIMO92713YTLRP4 16/CS 4/SKU	Frosted	5.5	E26	120V	15,000	450	2700K	90+	82	40W
41150	LED5.5A19DIMO93013YTLRP 6/CS 1/SKU	Frosted	5.5	E26	120V	15,000	450	3000K	90+	82	40W
41212	LED5.5A19DIMO93513YTLRP 6/CS 1/SKU	Frosted	5.5	E26	120V	15,000	450	3500K	90+	82	40W
41143	LED5.5A19DIMO94013YTLRP 6/CS 1/SKU	Frosted	5.5	E26	120V	15,000	450	4000K	90+	82	40W
40725	LED5.5A19DIMO95013YTLRP 6/CS 1/SKU	Frosted	5.5	E26	120V	15,000	450	5000K	90+	82	40W
40669	LED5.5A19DIMO95013YTLRP4 16/CS 4/SKU	Frosted	5.5	E26	120V	15,000	450	5000K	90+	82	40W
40671	LED8A19DIMO92713YTLRP 6/CS 1/SKU	Frosted	8	E26	120V	15,000	800	2700K	90+	100	60W
40670	LED8A19DIMO92713YTLRP4 16/CS 4/SKU	Frosted	8	E26	120V	15,000	800	2700K	90+	100	60W
40748	LED8A19DIMO92713YTLRP6 18/CS 6/SKU	Frosted	8	E26	120V	15,000	800	2700K	90+	100	60W
41151	LED8A19DIMO93013YTLRP 6/CS 1/SKU	Frosted	8	E26	120V	15,000	800	3000K	90+	100	60W
41211	LED8A19DIMO93513YTLRP 6/CS 1/SKU	Frosted	8	E26	120V	15,000	800	3500K	90+	100	60W
41295	LED8A19DIMO93513YTLRP4 16/CS 4/SKU	Frosted	8	E26	120V	15,000	800	3500K	90+	100	60W
41142	LED8A19DIMO94013YTLRP 6/CS 1/SKU	Frosted	8	E26	120V	15,000	800	4000K	90+	100	60W
40673	LED8A19DIMO95013YTLRP 6/CS 1/SKU	Frosted	8	E26	120V	15,000	800	5000K	90+	100	60W
40672	LED8A19DIMO95013YTLRP4 16/CS 4/SKU	Frosted	8	E26	120V	15,000	800	5000K	90+	100	60W
49824	LED8A19DIMO95013YTLRP6 18/CS 6/SKU	Frosted	8	E26	120V	15,000	800	5000K	90+	100	60W
40726	LED11A19DIMO92713YTLRP 6/CS 1/SKU	Frosted	11	E26	120V	15,000	1100	2700K	90+	100	75W
40662	LED11A19DIMO92713YTLRP4 16/CS 4/SKU	Frosted	11	E26	120V	15,000	1100	2700K	90+	100	75W
40750	LED11A19DIMO92713YTLRP2 8/CS 2/SKU	Frosted	11	E26	120V	15,000	1100	2700K	90+	100	75W
41152	LED11A19DIMO93013YTLRP 6/CS 1/SKU	Frosted	11	E26	120V	15,000	1100	3000K	90+	100	75W
41213	LED11A19DIMO93513YTLRP 6/CS 1/SKU	Frosted	11	E26	120V	15,000	1100	3500K	90+	100	75W
41297	LED11A19DIMO93513YTLRP4 16/CS 4/SKU	Frosted	11	E26	120V	15,000	1100	3500K	90+	100	75W
41144	LED11A19DIMO94013YTLRP 6/CS 1/SKU	Frosted	11	E26	120V	15,000	1100	4000K	90+	100	75W
40727	LED11A19DIMO95013YTLRP 6/CS 1/SKU	Frosted	11	E26	120V	15,000	1100	5000K	90+	100	75W
40663	LED11A19DIMO95013YTLRP4 16/CS 4/SKU	Frosted	11	E26	120V	15,000	1100	5000K	90+	100	75W
40751	LED11A19DIMO95013YTLRP2 8/CS 2/SKU	Frosted	11	E26	120V	15,000	1100	5000K	90+	100	75W
42305	LED15A19DIMCL092713YTLRP2 6/CS 2/SKU	Clear	15	E26	120V	15,000	1600	2700K	90+	107	100W
42278	LED15A19DIMO92713YTLRP4 16/CS 4/SKU	Frosted	15	E26	120V	15,000	1600	2700K	90+	107	100W
42304	LED15A19DIMO92713YTLRP 6/CS 1/SKU	Frosted	15	E26	120V	15,000	1600	2700K	90+	107	100W
42306	LED15A19DIMO92713YTLRP2 6/CS 2/SKU	Frosted	15	E26	120V	15,000	1600	2700K	90+	107	100W
42295	LED15A19DIMO93013YTLRP 6/CS 1/SKU	Frosted	15	E26	120V	15,000	1600	3000K	90+	107	100W
42277	LED15A19DIMO93513YTLRP4 16/CS 4/SKU	Frosted	15	E26	120V	15,000	1600	3500K	90+	107	100W
42294	LED15A19DIMO93513YTLRP1	Frosted	15	E26	120V	15,000	1600	3500K	90+	107	100W
42296	LED15A19DIMO94013YTLRP1	Frosted	15	E26	120V	15,000	1600	4000K	90+	107	100W

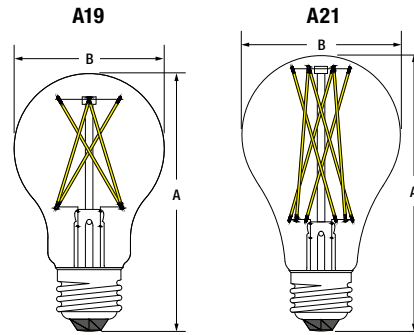
## Ordering Information (continued)

Item Number	Ordering Abbreviation	Finish	Power (W)	Base Type	Input Voltage	Average Life (hrs)	Typical Lumens (lm)	CCT	CRI	LPW	Replaces (W)
42276	LED15A19DIM095013YTLRP4 16/CS 4/SKU	Frosted	15	E26	120V	15,000	1600	5000K	90+	107	100W
42290	LED15A19DIM095013YTLRP 6/CS 1/SKU	Frosted	15	E26	120V	15,000	1600	5000K	90+	107	100W
42291	LED15A19DIMCL095013YTLRP2	Frosted	15	E26	120V	15,000	1600	5000K	90+	107	100W
42292	LED15A19DIM095013YTLRP2 8/CS 2/SKU	Frosted	15	E26	120V	15,000	1600	5000K	90+	107	100W
40754*	LED15A21DIMCL92713YTLRP2 8/CS 2/SKU	Clear	15	E26	120V	15,000	1600	2700K	90+	107	100W
40689*	LED15A21DIMCL92713YTLRP4 16/CS 4/SKU	Clear	15	E26	120V	15,000	1600	2700K	90+	107	100W
42101*	LED15A21DIMCL93513YTLRP4 16/CS 4/SKU	Clear	15	E26	120V	15,000	1600	3500K	90+	107	100W
40875*	LED15A21DIMCL95013YTLRP4 16/CS 4/SKU	Clear	15	E26	120V	15,000	1600	5000K	90+	107	100W
49828*	LED15A21DIMCL95013YTLRP2 8/CS 2/SKU	Clear	15	E26	120V	15,000	1600	5000K	90+	107	100W
40664*	LED15A21DIM092713YTLRP4 16/CS 4/SKU	Frosted	15	E26	120V	15,000	1600	2700K	90+	107	100W
41187*	LED15A21DIM093513YTLRP 6/CS 1/SKU	Frosted	15	E26	120V	15,000	1600	3500K	90+	107	100W
41294*	LED15A21DIM093513YTLRP4 16/CS 4/SKU	Frosted	15	E26	120V	15,000	1600	3500K	90+	107	100W
41137*	LED15A21DIM094013YTLRP 6/CS 1/SKU	Frosted	15	E26	120V	15,000	1600	4000K	90+	107	100W
40753*	LED15A21DIM095013YTLRP2 8/CS 2/SKU	Frosted	15	E26	120V	15,000	1600	5000K	90+	107	100W
40666*	LED15A21DIM095013YTLRP4 16/CS 4/SKU	Frosted	15	E26	120V	15,000	1600	5000K	90+	107	100W

\*Availability Notice: The items listed represent final inventory. No additional stock will be replenished once current quantities are depleted.

## Physical Information

	(A) Height inches (mm)	(B) Diameter inches (mm)
A19	4.05 (103)	2.36 (60)
A21	4.57 (116)	2.64 (67)



## Color Quality Comparison

CCT	Spectral Power Distribution	TM-30-18 Fidelity Index
2700K		<p><b>TruWave® LED – Optimized Color Fidelity</b> <math>R_f=92</math></p> <p><b>80 CRI LED</b> <math>R_f=84</math></p>
3000K		<p><b>TruWave® LED – Optimized Color Fidelity</b> <math>R_f=93</math></p> <p><b>80 CRI LED</b> <math>R_f=84</math></p>
3500K		<p><b>TruWave® LED – Optimized Color Fidelity</b> <math>R_f=93</math></p> <p><b>80 CRI LED</b> <math>R_f=85</math></p>

Color Quality Comparison (continued)

CCT	Spectral Power Distribution	TM-30-18 Fidelity Index
4000K		
5000K		

LEDVANCE LLC  
 181 Ballardvale Street, Suite 203  
 Wilmington, MA 01887 USA  
 Phone 1-800-LIGHTBULB (1-800-544-4828)  
 www.ledvanceUS.com

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