SYLVANIA Lamps

TruWave® Technology Reflector Family

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 efficiencies
- Exceptional color quality without the loss of efficacy typical of most 90+ CRI solutions
- Up to 92 LPW
- 2700K, 3000K, 3500K, 4000K and 5000K color temperatures
- Available beam angle: 110°

Electrical

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

Rated Life

- 15,000 hours (L_{70})

Warranty

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

Ambient Operating Range

- -4°F to 104°F (-20°C to 40°C)



Wattage Comparison

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
R20 Incandescent	45	5, 5.5	$66 / $65.18
BR30 Incandescent	65	7, 7.5	$95.7 / $94.9
BR40 Incandescent	85	12, 12.5	$120.45 / $119.63

Certifications and Listings

- cULus
- cETLus
- RoHS
- California Title 20 Certified

Installation

- Suitable for indoor and outdoor dry and damp locations
- Not for use in totally enclosed fixtures, emergency light fixtures, or exit lights

SYLVANIA

LED550R7 12-24

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

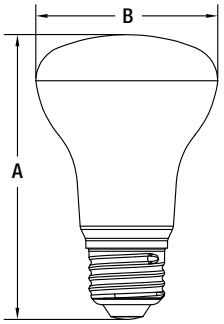
LED	XX	XRXX	DIM	9	XX	TL	RPX
LED	Wattage 5 = 5 Watts 5.5 = 5.5 Watts 7 = 7 Watts 7.5 = 7.5 Watts 12 = 12 Watts 12.5 = 12.5 Watts	Lamp Type R20 = R20 BR30 = BR30 BR40 = BR40	DIM = Dimmable	CRI 9 = 90+	Color Temperature 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	TL = TruWave® Technology	RP2 = 2PK Retail RP6 = 6PK Retail

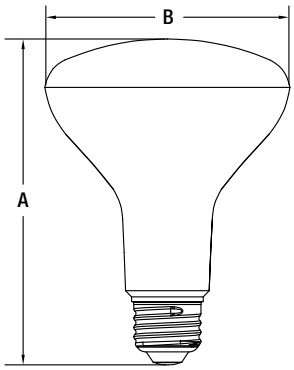
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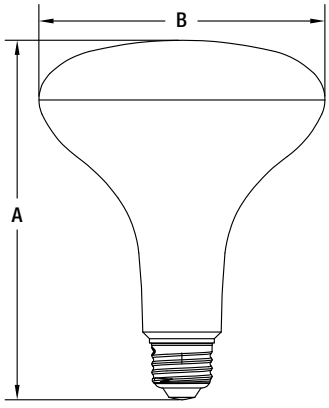
Item Number	Ordering Abbreviation	Power (W)	Lumens	Base	Replaces	Input Voltage	Average Rated Life (hrs)	CCT	CRI
41153	LED5R20DIM935TLRP2 12/CS 2/SKU	5	450	E26 Medium	45W R20	120V	15,000	3500K	90+
41188	LED5R20DIM940TLRP2 12/CS 2/SKU	5	450	E26 Medium	45W R20	120V	15,000	4000K	90+
40789	LED5.5R20DIM930TLRP2 12/CS 2/SKU	5.5	450	E26 Medium	45W R20	120V	15,000	3000K	90+
40790	LED5.5R20DIM950TLRP2 12/CS 2/SKU	5.5	450	E26 Medium	45W R20	120V	15,000	5000K	90+
40788	LED5.5R20DIM927TLRP2 12/CS 2/SKU	5.5	450	E26 Medium	45W R20	120V	15,000	2700K	90+
40728	LED7BR30DIM927TLRP2 12/CS 2/SKU	7	650	E26 Medium	65W BR30	120V	15,000	2700K	90+
40831	LED7BR30DIM930TLRP2 12/CS 2/SKU	7	650	E26 Medium	65W BR30	120V	15,000	3000K	90+
41154	LED7BR30DIM935TLRP2 12/CS 2/SKU	7	650	E26 Medium	65W BR30	120V	15,000	3500K	90+
40832	LED7BR30DIM940TLRP2 12/CS 2/SKU	7	650	E26 Medium	65W BR30	120V	15,000	4000K	90+
40730	LED7BR30DIM950TLRP2 12/CS 2/SKU	7	650	E26 Medium	65W BR30	120V	15,000	5000K	90+
41328	LED7.5BR30DIM927TLRP6 24/CS 6/SKU	7.5	650	E26 Medium	65W BR30	120V	15,000	2700K	90+
42079	LED7.5BR30DIM935TLRP6 24/CS 6/SKU	7.5	650	E26 Medium	65W BR30	120V	15,000	3500K	90+
41329	LED7.5BR30DIM950TLRP6 24/CS 6/SKU	7.5	650	E26 Medium	65W BR30	120V	15,000	5000K	90+
41155	LED12BR40DIM935TLRP2 12/CS 2/SKU	12	1100	E26 Medium	85W BR40	120V	15,000	3500K	90+
41214	LED12BR40DIM940TLRP2 12/CS 2/SKU	12	1100	E26 Medium	85W BR40	120V	15,000	4000K	90+
40785	LED12.5BR40DIM927TLRP2 12/CS 2/SKU	12.5	1100	E26 Medium	85W BR40	120V	15,000	2700K	90+
40786	LED12.5BR40DIM930TLRP2 12/CS 2/SKU	12.5	1100	E26 Medium	85W BR40	120V	15,000	3000K	90+
40787	LED12.5BR40DIM950TLRP2 12/CS 2/SKU	12.5	1100	E26 Medium	85W BR40	120V	15,000	5000K	90+

Physical Information

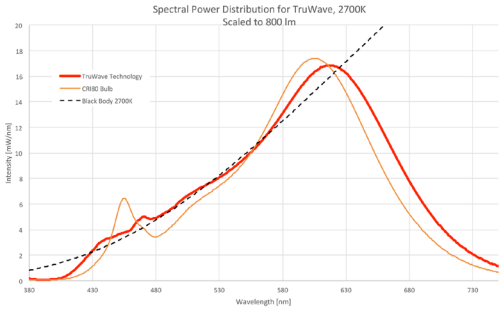
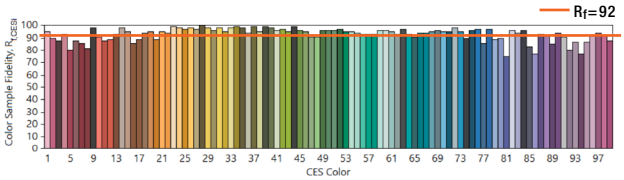
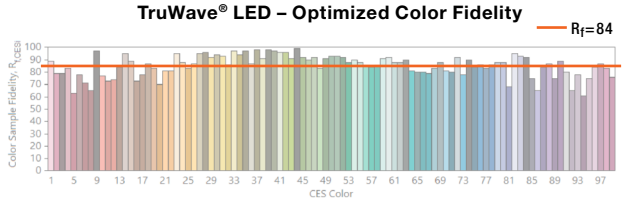
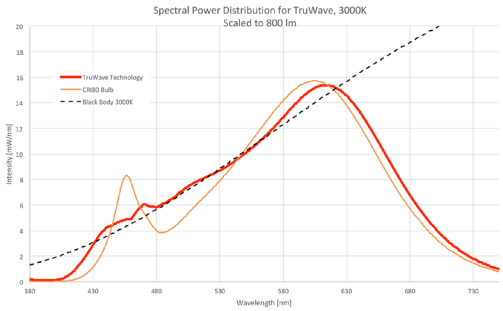
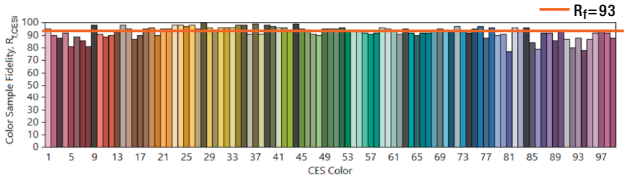
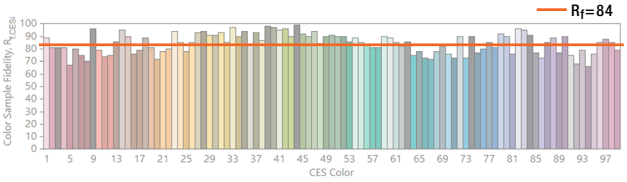
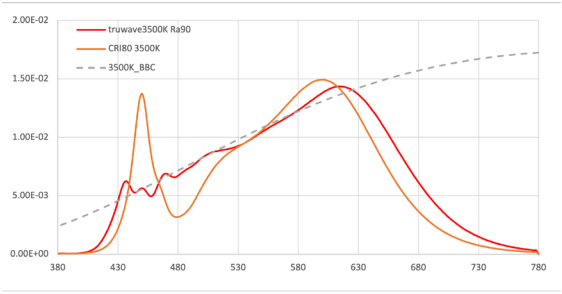
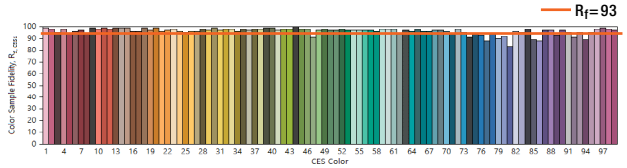
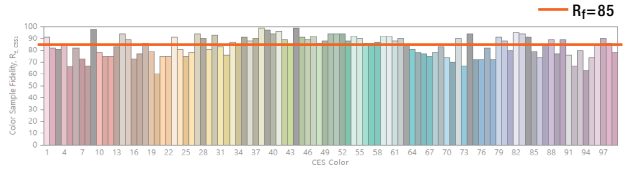
	(A) MOL inches (mm)	(B) Diameter inches (mm)
R20	3.90 (99)	2.48 (63)
BR30	5 (127)	3.74 (95)
BR40	6.14 (156)	4.88 (124)



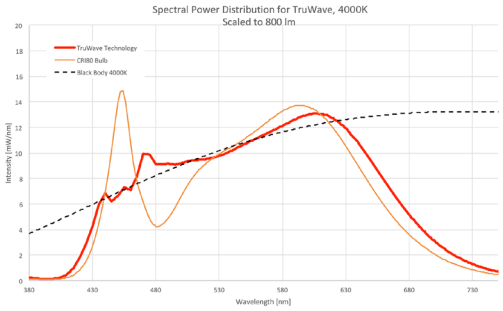
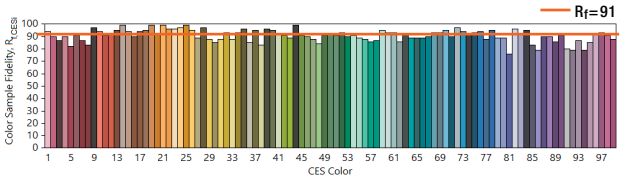
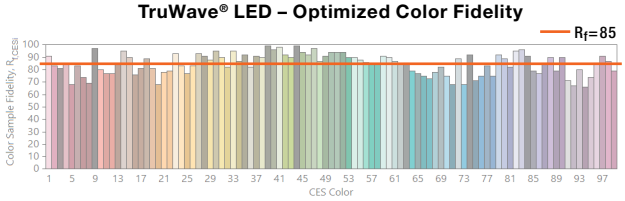
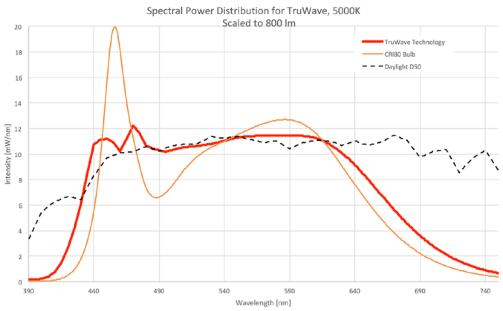
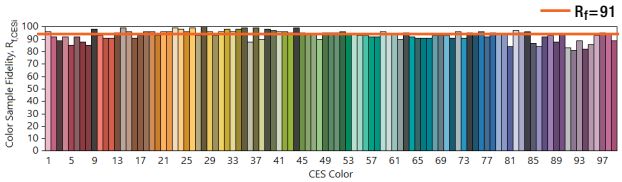
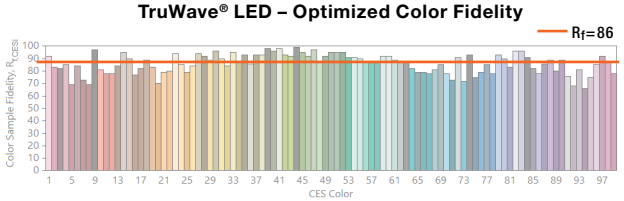




Color Quality Comparison

CCT	Spectral Power Distribution	TM-30-18 Fidelity Index
2700K		 **TruWave® LED – Optimized Color Fidelity**  **80 CRI LED**
3000K		 **TruWave® LED – Optimized Color Fidelity**  **80 CRI LED**
3500K		 **TruWave® LED – Optimized Color Fidelity**  **80 CRI LED**

Color Quality Comparison (continued)

CCT	Spectral Power Distribution	TM-30-18 Fidelity Index
4000K		 **TruWave® LED – Optimized Color Fidelity**  **80 CRI LED**
5000K		 **TruWave® LED – Optimized Color Fidelity**  **80 CRI LED**

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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