

SYLVANIA Lamps

TruWave Technology® MR16

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 78 LPW
- 3000K and 5000K color temperatures
- Dimmable
- Available beam angle: NFL25 (20W replacement only) and 40°

Electrical

- 12V
- Power factor >0.90
- Dimmable down to 10%

Rated Life

- 25,000 hours (L₇₀)

Warranty

- 5 year limited lamp warranty

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
Halogen	20	4.5	\$41.25
Halogen	35	6	\$79.75

Certifications and Listings

- cETLus
- ENERGY STAR®
- RoHS
- CEC Title 20

Installation

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



Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

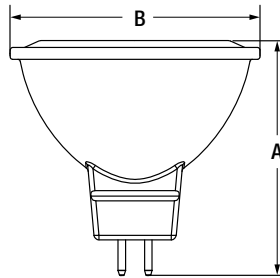
LED	XX	MR16	DIM	9	XX	TL	XXXXX	GL	RP
LED	Wattage 4.5 = 4.5 Watts 6 = 6 Watts	Lamp Type MR16	DIM = Dimmable	CRI 9 = 90+	Color Temperature 30 = 3000K 50 = 5000K	TL = TruWave Technology®	Beam Angle: NFL25 = Narrow Flood FL40 = Flood	GL = Glass	RP = Retail Pack

Ordering Information

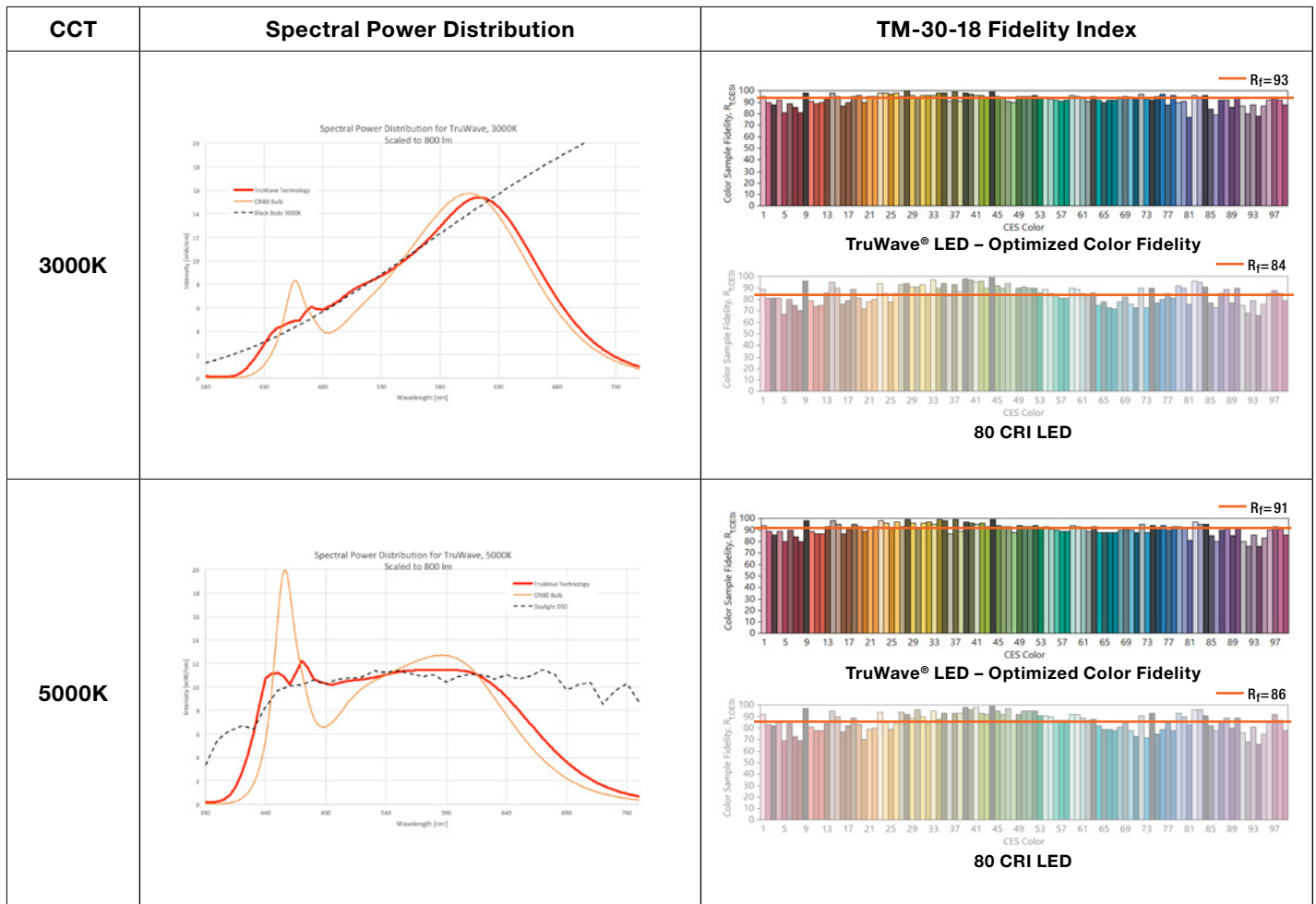
Item Number	Ordering Abbreviation	Power (W)	Base Type	Replaces	Input Voltage	Average Life (hrs)	Typical Lumens (lm)	CBCP	CCT	CRI
40922	LED4.5MR16DIM930TLNFL25GLRP 6/CS 1/SKU	4.5	G5.3	20W Halogen	12V	25,000	350	925	3000K	90+
40923	LED4.5MR16DIM950TLNFL25GLRP 6/CS 1/SKU	4.5	G5.3	20W Halogen	12V	25,000	350	925	5000K	90+
40924	LED4.5MR16DIM930TLFL40GLRP 6/CS 1/SKU	4.5	G5.3	20W Halogen	12V	25,000	350	610	3000K	90+
40925	LED4.5MR16DIM950TLFL40GLRP 6/CS 1/SKU	4.5	G5.3	20W Halogen	12V	25,000	350	610	5000K	90+
40928	LED6MR16DIM930TLFL40GLRP 6/CS 1/SKU	6	G5.3	35W Halogen	12V	25,000	450	802	3000K	90+
40929	LED6MR16DIM950TLFL40GLRP 6/CS 1/SKU	6	G5.3	35W Halogen	12V	25,000	450	802	5000K	90+

Physical Information

	(A) Height inches (mm)	(B) Diameter inches (mm)
MR16 4.5W	1.77 (45)	1.97 (50)
MR16 6W	1.85 (47)	1.97 (50)



Color Quality Comparison



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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