E-CORE" | Dimmable LED MR16 GU5.3

Project:	Toshiba Lamp:	
Туре:	Notes:	

Ordering Information

Ordering Code	Input Voltage (VAC)	Lamp Shape	Base Type	Wattage (W)	CCT ¹	Beam Angle	Initial Lumens (lm) ²	Lamp Efficacy (lm/W)	Rated Life (hrs) ³	CBCP (cd)	CRI	Power Factor	Equivalency ⁴	Lamp Weight Ib (g)
6MR16/827SP8	12	MR16	GU5.3	6.2	2700K	8°	270	43.5	25,000	5500	80	>0.70	25W Halogen	0.11 (49)
7MR16/827NFL25	12	MR16	GU5.3	6.7	2700K	25°	300	44.8	25,000	1250	80	>0.70	20W Halogen	0.11 (49)
7MR16/827FL35	12	MR16	GU5.3	6.7	2700K	35°	300	44.8	25,000	700	80	>0.70	20W Halogen	0.11 (49)
6MR16/830SP8	12	MR16	GU5.3	6.2	3000K	8°	275	44.4	25,000	5600	80	>0.70	25W Halogen	0.11 (49)
7MR16/830NFL25	12	MR16	GU5.3	6.7	3000K	25°	310	46.3	25,000	1250	80	>0.70	25W Halogen	0.11 (49)
7MR16/830FL35	12	MR16	GU5.3	6.7	3000K	35°	310	46.3	25,000	700	80	>0.70	25W Halogen	0.11 (49)
6MR16/840SP8	12	MR16	GU5.3	6.2	4000K	8°	280	45.2	25,000	5700	85	>0.70	25W Halogen	0.11 (49)
7MR16/840NFL25	12	MR16	GU5.3	6.7	4000K	25°	320	47.8	25,000	1250	86	>0.70	25W Halogen	0.11 (49)
7MR16/840FL35	12	MR16	GU5.3	6.7	4000K	35°	320	47.8	25,000	700	86	>0.70	25W Halogen	0.11 (49)

^{1.} CCT Range complies to ANSI C78.377-2008.

Note: All Information consistent with IESNA LM-80-08 results and IESNA LM-79-08 testing completed by a qualified third party facility.

 $Note: All\ lamps\ meet\ Energy\ Star^{\circ}\ Integral\ LED\ Lamp\ requirements, and\ will\ be\ submitted\ for\ testing.$

Note: 5 Year Warranty for MR16 GU5.3 is based on 12 hr/day usage.







Dimensions

E-Core Model	MOL (A)	Diameter (B)
MR16 8° Spot	1.86" (47.4 mm)	1.96" (50 mm)
MR16 25° Narrow Flood	1.77" (45 mm)	1.96" (50 mm)
MR16 35° Flood	1.77" (45 mm)	1.96" (50 mm)

Note: Lamp shapes conform to ANSI C78.24-2001. Note: Designed to comply with RoHS Directive 2002/95/EC.



8° Spot







25° Narrow Flood & 35° Flood

Illuminance Cone Diagrams

	6MR16/830SP8			7MR16	5/830NFL25				7MR1	6/830FL35		
Wattage	6.2 CBCP (cd)	5600		Wattage	6.7	CBCP (cd)	1250		Wattage	6.7	CBCP (cd)	700
Lumens	275 Beam Angle	8°		Lumens	310	Beam Angle	25°		Lumens	310	Beam Angle	35°
Distance			Distance					Distance			Ä	
feet	Footcandles	Ť	feet	Footcar	ndles			feet	Footcana	lles		<u> </u>
2′	1400	Ø 0.3'	2′	300)		Ø 0.9'	2′	175			Ø 1.3
4′	350	Ø 0.7'	4′	78		-	Ø 1.8'	4′	44			Ø 2.5
6′	156	Ø 1.0'	6′	35			Ø 2.7'	6′	19			Ø 3.8
8′	88	Ø 1.4'	8′	20	/		Ø 3.5'	8′	11			Ø 5.0
10′	56	Ø 1.7'	10'	13	_{		Ø 4.4	10'	7			Ø 6.3

Energy Savings

	20W Halogen	25W Halogen	35W Halogen	50W Halogen
6MR16/830SP8	\$37.95	\$51.70*	\$79.20	\$120.45
7MR16/830NFL25	\$36.58	\$50.33*	\$77.83	\$119.08
7MR16/830FL35	\$36.58	\$50.33*	\$77.83	\$119.08

^{*}Actual Equivalent Replacement, based on the Energy Star* Integral LED Lamp Center Beam Intensity Benchmark Tool.

Note: Energy Savings based on using one bulb for 25,000 hr rated life at 11¢/kWh. Does not include maintenance and replacement lamp savings.

Ordering Guide

6	MR16	/	827	SP8
Wattage	Lamp Type		CRI + CCT	Beam Angle
6.2 Watts = 6	6.2 Watts = 6 MR16 GU5.3 = MR16		80 CRI + 2700 K = 827	Spot 8°= SP8
6.7 Watts = 7		80 CRI + 3000K = 830 86 CRI + 4000K = 840	Narrow Flood 25° = NFL25 Flood 35° = FL35	



Available for all color temperatures

^{2.} Thermally stable typical lumens (± 10%)

^{3.} Rated life is based on 70% lumen maintenance, and engineering testing and probability analysis.

^{4.} Equivalency based on the Energy Star® Integral LED Lamp Center Beam Intensity Benchmark Tool.