TOSHIBA

E-CORE™ | **Dimmable 6.7W LED MR16 GU5.3**

Project:	Toshiba Lamp:
Type:	Notes:

(Subject to change without notice)

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 lb (g)
7MR16/827SP10	12	MR16	GU5.3	6.7	2700K	10°	300	44.8	25,000	*TBD†*	80	>0.70	*TBD†*	0.11 (453)
7MR16/827NFL25	12	MR16	GU5.3	6.7	2700K	25°	300	44.8	25,000	1250	80	>0.70	20W Halogen	0.11 (453)
7MR16/827FL35	12	MR16	GU5.3	6.7	2700K	35°	300	44.8	25,000	700	80	>0.70	20W Halogen	0.11 (453)
7MR16/830SP10	12	MR16	GU5.3	6.7	3000K	10°	310	46.3	25,000	*TBD†*	80	>0.70	*TBD†*	0.11 (453)
7MR16/830NFL25	12	MR16	GU5.3	6.7	3000K	25°	310	46.3	25,000	1250	80	>0.70	25W Halogen	0.11 (453)
7MR16/830FL35	12	MR16	GU5.3	6.7	3000K	35°	310	46.3	25,000	700	80	>0.70	25W Halogen	0.11 (453)
7MR16/840SP10	12	MR16	GU5.3	6.7	4000K	10°	320	47.8	25,000	*TBD†*	86	>0.70	*TBD†*	0.11 (453)
7MR16/840NFL25	12	MR16	GU5.3	6.7	4000K	25°	320	47.8	25,000	1250	86	>0.70	25W Halogen	0.11 (453)
7MR16/840FL35	12	MR16	GU5.3	6.7	4000K	35°	320	47.8	25,000	700	86	>0.70	25W Halogen	0.11 (453)

1. CCT Range complies to ANSI C78.377-2008.
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.

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® 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.

5 FIVE YEAR WARRANTY

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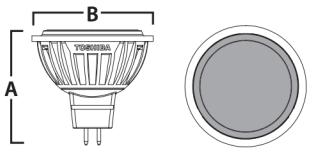
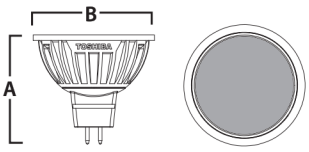
Dimensions

E-Core Model	MOL (A)	Diameter (B)
MR16 10° 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.



10° Spot



25° Narrow Flood & 32° Flood

Illuminance Cone Diagrams

7MR16/830SP10

Wattage 6.7 CBCP (cd) *TBD†*
Lumens *TBD†* Beam Angle 10°

Distance feet	*Footcandles*	
2′	*TBD†*	*Ø 0.3′*
4′	*TBD†*	*Ø 0.7′*
6′	*TBD†*	*Ø 1.0′*
8′	*TBD†*	*Ø 1.4′*
10′	*TBD†*	*Ø 1.7′*

7MR16/830NFL25

Wattage 6.7 CBCP (cd) 1250
Lumens 310 Beam Angle 25°

Distance feet	*Footcandles*	
2′	300	Ø 0.9′
4′	78	Ø 1.8′
6′	35	Ø 2.7′
8′	20	Ø 3.5′
10′	13	Ø 4.4′

7MR16/830FL35

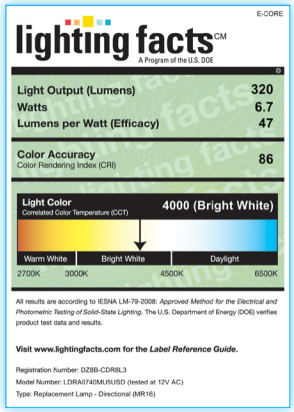
Wattage 6.7 CBCP (cd) 700
Lumens 310 Beam Angle 35°

Distance feet	*Footcandles*	
2′	175	Ø 1.3
4′	44	Ø 2.5
6′	19	Ø 3.8
8′	11	Ø 5.0
10′	7	Ø 6.3

Energy Savings

	20W Halogen	25W Halogen	35W Halogen	50W Halogen
7MR16/830SP10	$36.58	$50.33	$77.83	$119.08
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.



Available for all color temperatures

Ordering Guide

7	MR16	/	827	SP10
Wattage	**Lamp Type**		**CRI + CCT**	**Beam Angle**
6.7 Watts = 7	MR16 GU5.3 = MR16		80 CRI + 2700K = 827 80 CRI + 3000K = 830 86 CRI + 4000K = 840	Spot 10°= SP10 Narrow Flood 25° = NFL25 Flood 35° = FL35

TOSHIBA

E-CORE™ | Dimmable 6.5W LED MR16 GU10

Project:	Toshiba Lamp:
Type:	Notes:

(Subject to change without notice)

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 lb (g)
7GU10/827NFL25	120	MR16	GU10	6.5	2700K	25°	270	41.5	25,000	1050	80	>0.70	20W Halogen	0.14 (64)
7GU10/830NFL25	120	MR16	GU10	6.5	3000K	25°	280	43.1	25,000	1100	80	>0.70	20W Halogen	0.14 (64)

1. CCT Range complies to ANSI C78.377-2008.
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.

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® Integral LED Lamp requirements, and will be submitted for testing.
Note: 5 Year Warranty for MR16 GU10 is based on 12 hr/day usage.

5 FIVE YEAR WARRANTY

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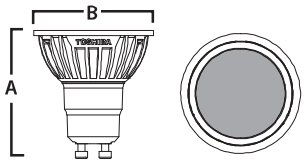
Dimensions

E-Core Model	MOL (A)	Diameter (B)
GU10	2.10" (53.5 mm)	1.96" (50 mm)

Note: Designed to comply with RoHS Directive 2002/95/EC

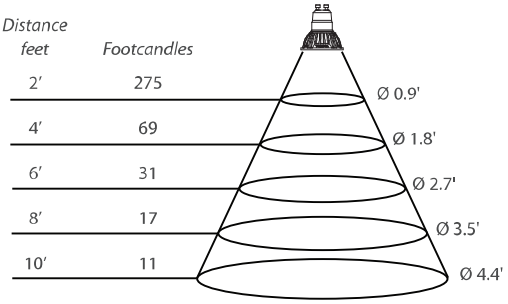


Illuminance Cone Diagrams

7GU10/830NFL25

Wattage 6.5 CBCP (cd) 1200

Lumens 280 Beam Angle 25°



Energy Savings

	20W Halogen	25W Halogen	35W Halogen	50W Halogen
7GU10/830NFL25	$37.13*	$50.88	$78.38	$119.63

*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

7	GU10	/	827	SP10
Wattage	**Lamp Type**		**CRI + CCT**	**Beam Angle**
6.5 Watts = 7	MR16 GU10 = GU10		80 CRI + 2700K = 827 80 CRI + 3000K = 830	Narrow Flood 25° = NFL25

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