

Project:	Toshiba Lamp:
Type:	Notes:

MR16 GU5.3 Long

Ordering Information	Ordering Code	Input Voltage (VAC)	Lamp Shape	Base Type	CCT ¹	Initial Lumens (lm) ²	Beam Angle	Wattage (W)	Lamp Efficacy (lm/W)	Rated Life (hrs) ³	CBCP (cd)	CRI	Power Factor	Equivalency ⁴	Lamp Weight lb (g)	Dimmable
	9MR16/27GNF-UP	12	MR16	GU5.3	2700K	510	25°	9.1	56.0	25,000	2370	81	> 0.72	50W Halogen	0.2 (91)	Yes
9MR16/27GFL-UP	12	MR16	GU5.3	2700K	510	35°	9.1	56.0	25,000	1340	81	> 0.72	50W Halogen	0.2 (91)	Yes	
9MR16/27FNF-UP	12	MR16	GU5.3	2700K	410	25°	9.0	45.6	25,000	1810	84	> 0.75	35W Halogen	0.2 (91)	Yes	
9MR16/27FFL-UP	12	MR16	GU5.3	2700K	415	35°	9.0	46.1	25,000	990	84	> 0.75	35W Halogen	0.2 (91)	Yes	
9MR16/30GNF-UP	12	MR16	GU5.3	3000K	525	25°	9.1	57.7	25,000	2510	82	> 0.72	50W Halogen	0.2 (91)	Yes	
9MR16/30GFL-UP	12	MR16	GU5.3	3000K	525	35°	9.1	57.7	25,000	1410	82	> 0.72	50W Halogen	0.2 (91)	Yes	
9MR16/30FNF-UP	12	MR16	GU5.3	3000K	440	25°	9.0	48.9	25,000	1900	84	> 0.75	35W Halogen	0.2 (91)	Yes	
9MR16/30FFL-UP	12	MR16	GU5.3	3000K	445	35°	9.0	49.4	25,000	1040	84	> 0.75	35W Halogen	0.2 (91)	Yes	
9MR16/40GNF-UP	12	MR16	GU5.3	4000K	540	25°	9.1	59.3	25,000	2600	82	> 0.72	50W Halogen	0.2 (91)	Yes	
9MR16/40GFL-UP	12	MR16	GU5.3	4000K	540	35°	9.1	59.3	25,000	1470	82	> 0.72	50W Halogen	0.2 (91)	Yes	
9MR16/40FNF-UP	12	MR16	GU5.3	4000K	470	25°	9.0	52.2	25,000	2030	85	> 0.75	35W Halogen	0.2 (91)	Yes	
9MR16/40FFL-UP	12	MR16	GU5.3	4000K	475	35°	9.0	52.8	25,000	1110	85	> 0.75	35W Halogen	0.2 (91)	Yes	

- CCT Range complies to ANSI C78.377-2008.
- Thermally stable typical lumens (± 10%)
- Rated life is based on 70% lumen maintenance and engineering testing and probability analysis; life hours per ENERGY STAR[®] may vary.
- 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. All lamps meet ENERGY STAR Integral LED Lamp requirements and will be submitted for testing. Five-year warranty based on 12 hr/day usage. Toshiba LED Lighting Systems Division reserves the right to make changes and/or improvements in designs and/or dimensions without notice or obligation.

Dimensions

Model MR16 GU5.3 Long
25° Narrow Flood/ 35° Flood

MOL (A) 2.54" (64.5 mm)
 MOL (B) 1.75" (44.5mm)
 Diameter (C) 1.97" (50.0 mm)
 Diameter (D) 1.46" (37.1 mm)

410-540 Lumens



Energy Savings

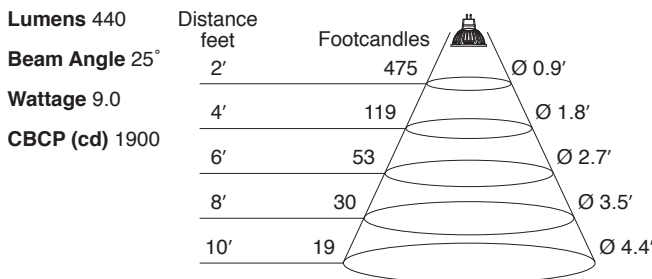
Ordering Code	20W Halogen	35W Halogen	50W Halogen
9MR16/30GNF-UP	\$30.25	\$75.50	\$112.48
9MR16/30GFL-UP	\$30.25	\$75.50	\$112.75

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.

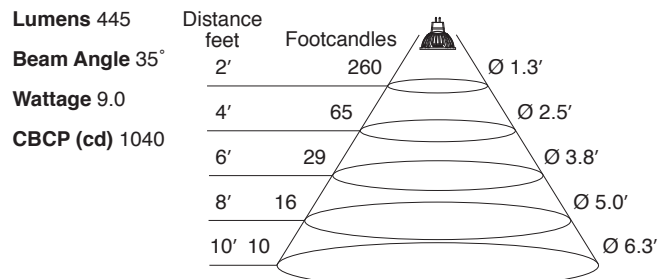
Note: Lamp shape conforms to ANSI C78.21-2003. Designed to comply with RoHS Directive 2002/95/EC.
 The lamp's unique form factor is specifically designed to be compatible with existing retention rings and most recessed and track head gimbals.

Illuminance Cone Diagrams

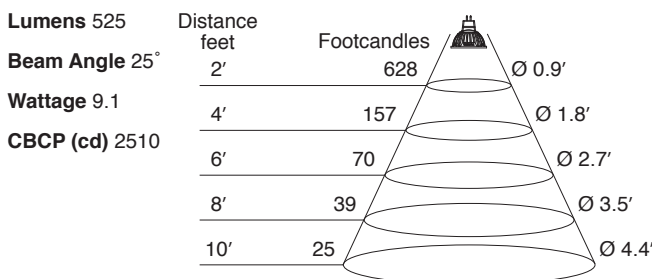
9MR16/30FNF-UP



9MR16/30FFL-UP



9MR16/30GNF-UP



9MR16/30GFL-UP

