TOSHIBA
Leading Innovation >>>

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

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; life hours per ENERGY STAR® may vary.
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. 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.

5 FIVE YEAR WARRANTY

lighting facts LED Product Partner

c UL us LISTED

Dimensions

Model MR16 GU5.3 Long

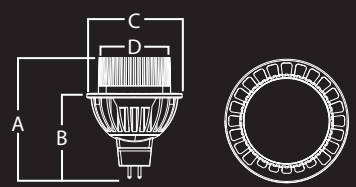
25º Narrow Flood/ 35º Flood

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

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.

Energy Savings

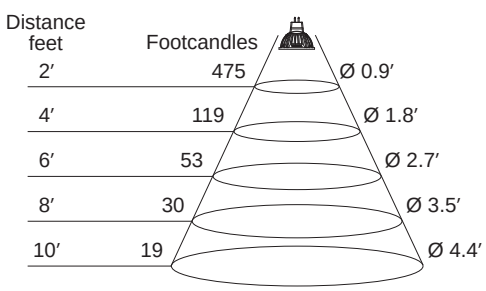
Ordering Code	20W Halogen	35W Halogen	50W Halogen
9MR16/30GNF-UP	$30.25	$75.50	$112.48
9MR16/30GFL-UP	$30.25	$75.50	$112.75

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.

Illuminance Cone Diagrams

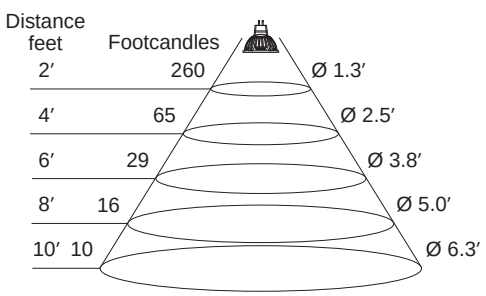
9MR16/30FNF-UP

Lumens 440
Beam Angle 25˚
Wattage 9.0
CBCP (cd) 1900



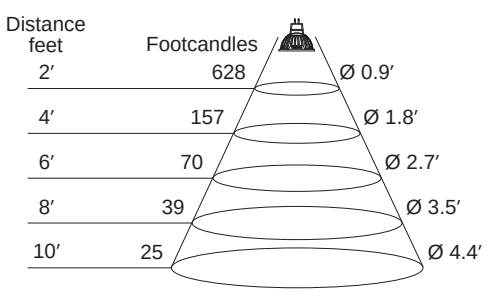
9MR16/30FFL-UP

Lumens 445
Beam Angle 35˚
Wattage 9.0
CBCP (cd) 1040



9MR16/30GNF-UP

Lumens 525
Beam Angle 25˚
Wattage 9.1
CBCP (cd) 2510



9MR16/30GFL-UP

Lumens 525
Beam Angle 35˚
Wattage 9.1
CBCP (cd) 1410