

SYLVANIA Lamps

ULTRA LED™ MR16

Application

The new ULTRA LED Glass MR16 lamps make halogen retrofits easier to spot relamp to a more energy efficient lamp. With its sleek design, the ULTRA MR16 Glass portfolio is now available in a 20W, 35W and 50W replacement as well as Narrow Flood and Flood beam angles.

Benefits and Features

- Longer life than traditional halogen lamps
- No warm-up time, instant on with full light output and stable color
- Ideal for re-lamping when halogen lamps reach end of life
- Glass body with the look and feel of traditional halogen lamps
- Suitable for use in damp locations
- 12V AC/DC input voltage
- UV and IR free
- Mercury and lead free
- Offered in 5, 6, 7 or 9 watts
- Up to 90 LPW
- CRI >80
- Available beam angles: 15°, 25° and 35°

Electrical

- 12V_{DC}
- Power factor >0.90
- Dimmable

Rated Life

- 25,000 hours (L₇₀)

Warranty

- 3-year
- NLB Trusted Warranty Program

Ambient Operating Range

- -4°F to 104°F (-20°C to 40°C)



Wattage Comparison

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
Halogen	20	5	75%
Halogen	35	6	83%
Halogen	50	7	86%
Halogen	50	9	82%

Certifications and Listings

- cETLus
- RoHS
- Lead Free
- Mercury Free
- ENERGY STAR®

Installation

- Only install in operating environments ranging between -20°C and +40°C (-4°F and +104°F).
- Not intended for use in emergency light fixtures or exit signs.
- Suitable for damp locations – not for use where directly exposed to water.
- Use only with Class 2 power supply.



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

LED	X	MR16	/	DIM	/	X	XX	/	XXX	XX	/	GL	/	RP
Lamp technology	Wattage	Lamp Type		Dimmable		CRI	CCT		Beam Angle	Beam Angle		Material		Packaging
LED	5 = 5 Watts 6 = 6 Watts 7 = 7 Watts 9 = 9 Watts	MR16				8 = 80+	27 = 2700K 30 = 3000K		SP = Spot NFL = Narrow Flood FL = Flood	15 = 15° 25 = 25° 35 = 35°		GL = Glass		RP = Retail Pack

Ordering Information

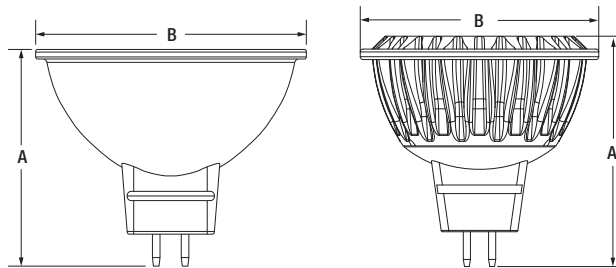
Item Number	Ordering Abbreviation	Power (W)	Base Type	Material	Replaces	Input Voltage	Average Life (hrs) ¹	CCT ²	Typical Lumens (lm) ³	CBCP	Beam Angle	CRI ⁴	ENERGY STAR [®]
78232	LED5MR16/DIM/827/NFL25/GL/RP	5	GU5.3	Glass	20W Halogen	12	25,000	2700K	350	975	25°	80+	Yes
78231	LED5MR16/DIM/827/FL35/GL/RP	5	GU5.3	Glass	20W Halogen	12	25,000	2700K	350	650	35°	80+	Yes
78234	LED5MR16/DIM/830/NFL25/GL/RP	5	GU5.3	Glass	20W Halogen	12	25,000	3000K	350	975	25°	80+	Yes
78233	LED5MR16/DIM/830/FL35/GL/RP	5	GU5.3	Glass	20W Halogen	12	25,000	3000K	350	650	35°	80+	Yes
78240	LED6MR16/DIM/830/NFL25/GL/RP	6	GU5.3	Glass	35W Halogen	12	25,000	3000K	450	2000	25°	80+	Yes
78239	LED6MR16/DIM/830/FL35/GL/RP	6	GU5.3	Glass	35W Halogen	12	25,000	3000K	450	1000	35°	80+	Yes
78235	LED6MR16/DIM/930/FL35/GL/RP	6	GU5.3	Glass	35W Halogen	12	25,000	3000K	425	1000	35°	80+	Yes
41375	LED7MR16DIM827NFL25GLRP 6/CS 1/SKU	7	GU5.3	Glass	50W MR16	12	25,000	2700K	700	7000	25°	80+	Yes
41376	LED7MR16DIM827FL35GLRP 6/CS 1/SKU	7	GU5.3	Glass	50W MR16	12	25,000	2700K	700	7000	35°	80+	Yes
41378	LED7MR16DIM830NFL25GLRP 6/CS 1/SKU	7	GU5.3	Glass	50W MR16	12	25,000	3000K	700	7000	25°	80+	Yes
41379	LED7MR16DIM830FL35GLRP 6/CS 1/SKU	7	GU5.3	Glass	50W MR16	12	25,000	3000K	700	7000	35°	80+	Yes
48056	LED9MR16/DIM/827/SP15	9	GU5.3	Plastic	50W MR16	12	25,000	2700K	700	7000	15°	80+	Yes
78199*	LED9MR16/DIM/827/NFL25	9	GU5.3	Plastic	50W MR16	12	25,000	2700K	700	2600	25°	80+	Yes
78200*	LED9MR16/DIM/827/FL35	9	GU5.3	Plastic	50W MR16	12	25,000	2700K	700	1500	35°	80+	Yes
48057	LED9MR16/DIM/830/SP15	9	GU5.3	Plastic	50W MR16	12	25,000	3000K	700	7000	15°	80+	Yes
74044*	LED9MR16/DIM/830/NFL25	9	GU5.3	Plastic	50W MR16	12	25,000	3000K	700	2600	25°	80+	Yes
74042*	LED9MR16/DIM/830/FL35	9	GU5.3	Plastic	50W MR16	12	25,000	3000K	700	1500	35°	80+	Yes

* Once stock is depleted, NAED will be obsolete.

1. Hours lifetime with 70% (L70) lumen maintenance 2. Thermally stable typical CCT (±10%) 3. Thermally stable typical lumens (±10%) 4. CRI – Color Rendering Index

Physical Information

	(A) Height inches (mm)	(B) Diameter inches (mm)
MR16, all wattages	1.73 (43.9)	1.98 (50.5)



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