

ULTRA LED™ MR16 Lamps

Dimmable



Key Features & Benefits

- Dimmable down to 10%*
- Long life: up to 25,000 hours (L₇₀)
- Reduces energy consumption up to 82%
- Lasts up to 12.5 times longer than halogen lamps
- Can be used in enclosed fixtures
- No warm-up time, instant-on with full-light output and stable color
- 12V AC/DC input voltage
- UV and IR free
- Mercury and lead free
- Suitable for use in damp locations

* Performance may vary depending on dimmer used in application. Please refer to Dimmer Compatibility List (RETRO-DIM) for a list of compatible dimmers or visit www.SYLVANIA.com/LED Retrofit



Long lasting, energy efficient, ULTRA LED MR16 lamps are now true halogen equivalent lamps when comparing lumen output and center beam candlepower. MR16 lamps are available in 6, 8 and 9W versions in 25° and 35° beam angles and are high-quality replacements for halogen 20W-50W MR16 lamps. These LED MR16 lamps are available in GU5.3 base configurations and dimmable down to 10%. Lamps boast a 25,000 hours life (L₇₀) providing 12.5 times longer life than halogen MR16 lamps thereby reducing maintenance costs. Lamps have a 3000K color temperature similar to halogen and 80+ CRI. These products are free of UV and IR radiation, minimizing discoloration and fading of materials.

Product Offering

Ordering Abbreviation	Wattage	Color Temperature	Beam Angle
ULTRA LED MR16	6	3000K	25°, 35°
ULTRA LED MR16	8	3000K	25°, 35°
ULTRA LED MR16	9	3000K	25°, 35°

Application Information

Applications

- Accent/display lighting
- Recessed downlighting
- Track lighting

Market Segments

- Art galleries and museums
- Commercial and office space
- Hotels
- Residential
- Restaurants
- Retail sector

Application Notes

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. For FCC Part 15 user information, please see www.sylvania.com/fcc15b.



Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Base Type	Replaces	Input Voltage (V)	Average Rated Life (hrs.) ¹	CCT ³	Typical Lumens (lm) ²	CBCP (cd)	Beam Angle	CRI ⁴	ENERGY STAR [®]
74051*	LED6MR16/DIM/830/NFL25/G4	6	GU5.3	20W MR16	12	25,000	3000K	350	1050	25°	84	Yes
74049*	LED6MR16/DIM/830/FL35/G4	6	GU5.3	20W MR16	12	25,000	3000K	350	800	35°	84	Yes
74048	LED8MR16/DIM/830/NFL25/G2	8	GU5.3	35W MR16	12	25,000	3000K	500	2000	25°	80	Yes
74046	LED8MR16/DIM/830/FL35/G2	8	GU5.3	35W MR16	12	25,000	3000K	500	1000	35°	80	Yes
74045	LED8MR16/DIM/930/FL35/RP	8	GU5.3	35W MR16	12	25,000	3000K	500	1000	35°	90	Yes
74044*	LED9MR16/DIM/830/NFL25	9	GU5.3	50W MR16	12	25,000	3000K	700	2600	25°	83	Yes
74042	LED9MR16/DIM/830/FL35	9	GU5.3	50W MR16	12	25,000	3000K	700	1500	35°	83	Yes

*74049 replaces 78706, 74051 replaces 79090, 74044 replaces 78420

OSRAM SYLVANIA submits most lamps for ENERGY STAR testing. Early qualification for ENERGY STAR lamps begin at 25,000 hours (L₇₀) regardless that the design of the lamp is manufactured for a greater life expectancy. As the lamps pass ENERGY STAR qualifications, manufacturers are able to increase rated life as dictated by Energy Star guidelines becoming either provisionally qualified or fully qualified. Please visit EnergyStar.gov for more information about testing requirements for ENERGY STAR qualified products.

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

Ordering Guide

LED	6	MR16	/	DIM	/	830	/	NFL	/	25	/	G4
LED Lamps and Retrofits	Wattage 6, 8, 9	Lamp Type: MR16		Dimmable		CRI, CCT: 830: 80+ CRI, 3000K		Beam Type: NFL = Narrow Flood FL = Flood		Beam Angle: 25°, 35°		Generation 4

Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen Life
LED6MR16/DIM	25,000	20W MR16	2,000	24	\$66.00	12.5x
LED8MR16/DIM	25,000	35W MR16	2,000	27	\$74.25	12.5x
LED9MR16/DIM	25,000	50W MR16	2,000	41	\$112.75	12.5x

*Energy savings over life of lamp calculated at \$0.11/kWh

Lamp Dimensions

	(A) MOL inches	(B) Diameter inches
LED6MR16	1.85	1.97
LED8MR16	1.85	1.97
LED9MR16	1.89	1.97

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