

ULTRA LED MR16 Lamps

Dimmable



LED technology reduces energy and maintenance costs when compared to conventional light sources. They are free of UV and IR radiation minimizing discoloration and fading of materials. These lamps are dimmable down to 10%* and are rated at up to 25,000 hours life with correlated color temperatures (CCT) of 2500K, 2700K and 3000K. They are available with a GU5.3 base and 25° and 36° beam angles.

The 7W LED MR16 is a 35-50 watt halogen replacement, and is designed to provide years of beautiful, high-quality light at a fraction of the energy required by comparable halogen lamps. It features an intelligent temperature sensing capability that prevents the lamp from overheating when used in recessed applications, further guaranteeing its reliability and longevity.

Key Features & Benefits

- Dimmable down to 10%*
- Long life: up to 25,000 hours (L₇₀)
- Reduces energy consumption up to 84%
- Lasts up to 17 times longer than halogen lamps
- 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
- RoHS compliant
- Suitable for use in damp locations
- Available in 2500K, 2700K and 3000K color temperatures

* 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



This light source meets restriction on hazardous substances.



Intertek
4001425

Product Offering

Ordering Abbreviation	Wattage	Color Temperature	Beam Angle
ULTRA LED MR16	6	2700K, 3000K	25°, 36°
ULTRA LED MR16	7	2500K, 3000K	25°, 36°

Application Information

Market Segments

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

Applications

- Accent/display lighting
- Recessed downlighting
- Track lighting

Application Notes

1. Operating temperature range between -4°F and +104°F (-20°C and +40°C)
2. Suitable for outdoor use when used in a UL rated fixture where protected from the weather
3. Suitable for dimmers or in luminaires controlled by a dimmer
4. Stated performance is based on 12VDC input to the MR16 GU5.3 base LED lamp
5. Not intended for use with emergency light fixtures or exit lights
6. Use in open fixtures
7. Not to be used in enclosed insulated ceilings

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.



Specification Data

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 ²	Typical Lumens (lm) ³	CBCP (cd)	CRI ⁴	Beam Angle	ENERGY STAR [®]
78421	LED6MR16/DIM/830/NFL25	6	GU5.3	20WMR16	12	25,000	3000K	350	1300	85	25°	No
78422	LED6MR16/DIM/830/FL36	6	GU5.3	20WMR16	12	25,000	3000K	350	730	85	36°	No
78423	LED6MR16/DIM/827/NFL25	6	GU5.3	20WMR16	12	25,000	2700K	350	1100	83	25°	No
78424	LED6MR16/DIM/827/FL36	6	GU5.3	20WMR16	12	25,000	2700K	350	700	83	36°	No
78210	LED7MR16/DIM/825/NFL25	7	GU5.3	35-50WMR16*	12	25,000	2500K	500	1850	80	25°	No
78420	LED7MR16/DIM/830/NFL25	7	GU5.3	35-50WMR16*	12	25,000	3000K	525	2340	82	25°	No

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% lumen maintenance 2. Thermally stable typically CCT (±10%) 3. Thermally stable typical lumens (±10%) 4. CRI – color rendering index
*ENERGY STAR specification

Ordering Guide

LED	6	MR16	/	DIM	/	830	/	NFL	25
LED Lamps and Retrofits	Wattage 6, 7	Lamp Type: MR16		Dimmable		CRI, CCT: 830: 80+ CRI, 3000K CCT		Beam Type: NFL = Narrow Flood FL = Flood	Beam Angle: 25°, 36°

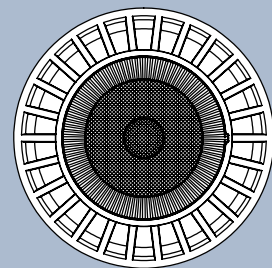
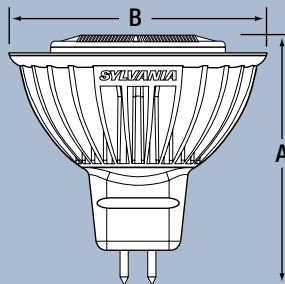
Energy Savings

Basic Product Description	LED Life (hrs.)	Similar Halogen	Halogen Life (hrs.)	Watts Saved	Energy Savings*	LED Life vs. Halogen Life
LED6MR16/DIM	25,000	20MR16	2,000	14	\$38.50	12.5x
LED7MR16/DIM	25,000	35-50MR16	2,000	43	Up to \$118	12.5x

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

Lamp Dimensions

	(A) MOL (inches)	(B) Diameter (inches)
LED6MR16/DIM	2.0	1.9
LED7MR16/DIM	2.0	1.9
LED7MR16/DIM/830	1.9	1.97



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