

# MAGIC WAND® MR16 O-OBM

surface mounted low voltage accent light

LOW  
VOLTAGE  
2-247

## FEATURES

Magic Wand MR16 O-OBM is an accent light designed for use with 12-volt MR-16 lamps (50-watt maximum). Fixture is designed for mounting on 4" octagonal outlet boxes (by others) and includes an integral 120/12-volt electronic transformer.

The optical assembly for Magic Wand MR16 O-OBM consists of a prismatic lens and a conical specular black reflector which reduces lamp brightness.

A flared socket cap prevents any backsplash of light onto the ceiling.

Concealed swivels provide 350° horizontal rotation as well as vertical adjustment from 0° to 90°. Swivels are permanently tensioned, allowing the fixture to remain fixed at any aiming angle.


Magic Wand MR16 O-OBM fixtures accept one or two of a number of Optical Accessories including spread lenses, a beam smoother, a UV filter and color filters.

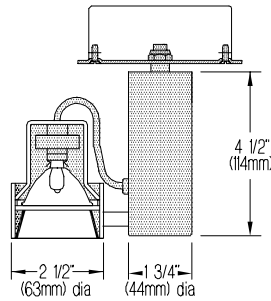
Magic Wand fixtures have seamless aluminum housings for lightweight durability. Standard finish is matte white with a white socket lead; also available in black and Industrial Silver matte paint finishes.

## APPLICATIONS



Fixture is suitable for highlighting vertical or horizontal surfaces, as well as objects in museums, galleries, showrooms, residences, restaurants, offices and stores.

Fixture is suitable for 120-volt electrical service and  listed for mounting to a standard 4" octagonal outlet box (by others).



## PRODUCT CODE

Complete Product Code..... MW/MR16 O-OBM  
standard finish: matte white with white socket lead

## OPTIONS

Specify by adding to the product code.

- black socket lead**  
with standard matte white housing ..... - BSLV
- matte black housing finish**  
black socket lead standard ..... - BLK
- Industrial Silver housing finish**  
black socket lead standard ..... - SIL
- custom color paint housing finish**  
specify white or black socket lead ..... - WSLV or - BSLV  
and identify color in specification ..... CCH

## OPTICAL ACCESSORIES

Specify as separate line items.

All are 2 3/8" (60mm) dia. Lenses and filters are glass; screens are aluminum.

- diffuse glass** ..... DGS/2.375
- prismatic lens (Solite; included with fixture)** ..... PLS/2.375
- 55° spread lens** ..... LENS/2.375
- 40° x 70° spread lens** ..... LENS/2.375-4070
- beam smoother** ..... CLR/2.375
- UV filter** ..... UVF/2.375
  
- color filters**
- Daylight Blue ..... DAY/2.375
- Surprise Pink ..... PNK/2.375
- amber ..... AMB/2.375
- blue ..... BLU/2.375
- green ..... GRN/2.375
- red ..... RED/2.375
- 33% light reduction screen** ..... SCR33/2.375
- 50% light reduction screen** ..... SCR50/2.375

- ▶ To minimize socket/lamp problems we recommend the use of lamps by GE, Sylvania, Philips or Ushio.
- ▶ If controlled by a dimmer, please use dimming equipment compatible with the integral electronic transformer.



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# MAGIC WAND MR16 O-OBM

## PHOTOMETRIC REPORT – SPOT

**LTL** (Luminaire Testing Laboratory, Inc.) Report No. 05763.  
Original test report furnished upon request.

Luminaire ..... surface mounted accent light with specular black reflector and clear protective glass

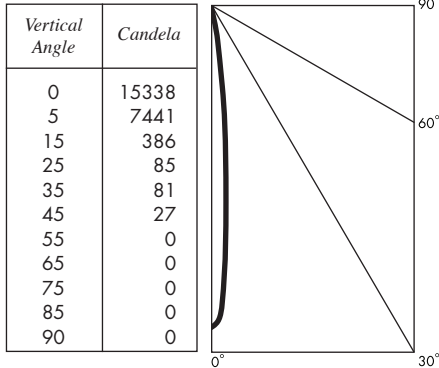
Lamp ..... Sylvania 50MR16Q/10/NSP/T, 12V  
880 lumens (measured)

Efficiency ..... 86.6%

### LUMINANCE DATA CANDLEPOWER DISTRIBUTION

Vertical Angle	Candela
45	14959
55	0
65	0
75	0
85	0

To convert  $cd/m^2$  to footlamberts multiply by 0.2919.



## PHOTOMETRIC REPORT – FLOOD

**LTL** (Luminaire Testing Laboratory, Inc.) Report No. 05762.  
Original test report furnished upon request.

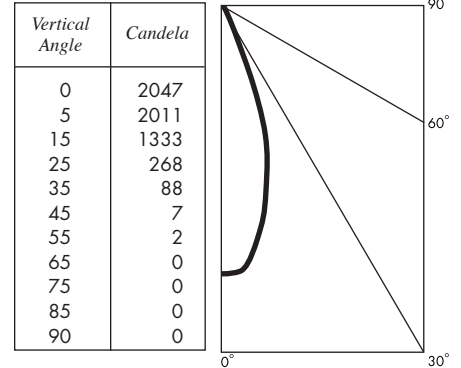
Luminaire ..... surface mounted accent light with specular black reflector and clear protective glass

Lamp ..... Sylvania 50MR16Q/40/FL/T, 12V  
880 lumens (measured)

Efficiency ..... 86.3%

### LUMINANCE DATA CANDLEPOWER DISTRIBUTION

Vertical Angle	Candela
45	3997
55	1208
65	0
75	0
85	0



## MR-16 LAMP INFORMATION

Manufacturer	Wattage	ANSI Code	Beamspread (50% max)	Center Beam Candlepower	Average Life (Hours)
GE	20	EZX	7°	7,400	3,000
Sylvania	20	ESX	8°	6,000	4,000
Philips	20	ESX	10°	4,200	4,000
GE	20	ESX	15°	3,750	5,000
Philips	20	BAB	36°	560	4,000
Sylvania	20	BAB	40°	700	4,000
GE	20	BAB	40°	525	5,000
Sylvania	35	FRB	8°	11,000	4,000
Sylvania	35	FRA	20°	2,800	4,000
GE	35	FRA	20°	3900	5,000
Sylvania	35	FMW	40°	1,400	4,000
GE	35	FMW	40°	1,000	5,000
GE	42	EZY	9°	12,300	3,500

Manufacturer	Wattage	ANSI Code	Beamspread (50% max)	Center Beam Candlepower	Average Life (Hours)
Philips	50	EXT	10°	11,000	4,000
Sylvania	50	EXT	12°	11,000	4,000
GE	50	EXT	15°	9,100	6,000
Philips	50	EXZ	24°	3,200	4,000
Sylvania	50	EXZ	25°	3,200	4,000
GE	50	EXZ	25°	3,200	6,000
GE	50	EXK	30°	2,500	6,000
Philips	50	EXN	38°	1,800	4,000
Sylvania	50	EXN	40°	2,000	4,000
GE	50	EXN	40°	1,700	6,000
GE	50	FNV	55°	900	6,000
Sylvania	50	FNV	60°	1,200	4,000

All values listed here are manufacturers' bare lamp data. Operation of these lamps in Magic Wand MR16 will produce nearly identical beamspreads.