

MAGIC WAND® MR16 W-OBM

surface mounted low voltage wallwasher

LOW
VOLTAGE
2-248

FEATURES

MagicWand MR16 W-OBM is a wallwasher designed for use with 12-volt MR-16 flood or wide flood lamps (50-watt maximum). Fixture is designed for mounting on 4" octagonal outlet boxes (by others) and a integral 120/12-volt electronic transformer.

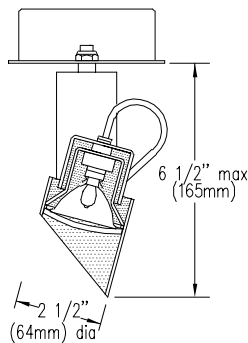
The optical assembly for MagicWand MR16 W-OBM consists of an integral specular reflector and 40° x 70° spread lens.

A flared socket cap prevents any backslash 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 W-OBM fixtures accept one or two of a number of Optical Accessories including 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 wallwashing in museums, galleries, showrooms, residences, restaurants, offices and stores.

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

PRODUCT CODE

Complete Product Code.....MW/MR16 W-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.

40° x 70° spread lens (included with fixture)..... LENS/2.375-4070

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.



41-50 22ND STREET, LIC NY 11101 TEL 718.685.0700 FAX 718.786.8530 www.epl.com

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MAGIC WAND MR16 W-OBM

PHOTOMETRIC REPORT

LTL (Luminaire Testing Laboratory, Inc.) Report No. 07844. Original test report furnished upon request.

Luminaire track mounted adjustable wallwasher; 40° x 70° spread lens with specular reflector

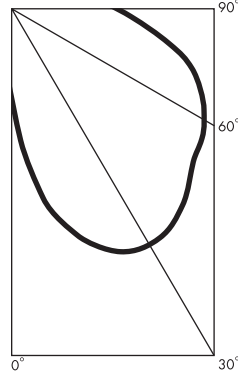
Lamp Sylvania 50MR16Q/60/VWFL/T, 12V, 880 lumens (estimated)

WALLWASH INFORMATION

| Distance From Ceiling (Feet) | 2'6" From Wall; 2'6" O.C. | | 3' From Wall; 3' O.C. | |
|------------------------------|---------------------------|------------------|-----------------------|------------------|
| | Below Fixture | Between Fixtures | Below Fixture | Between Fixtures |
| 1 | 35 | 32 | 27 | 24 |
| 2 | 36 | 35 | 29 | 28 |
| 3 | 27 | 26 | 23 | 23 |
| 4 | 19 | 18 | 17 | 16 |
| 5 | 13 | 13 | 12 | 12 |
| 6 | 9 | 9 | 9 | 9 |
| 7 | 7 | 7 | 7 | 7 |
| 8 | 5 | 5 | 5 | 5 |
| 9 | 0 | 0 | 4 | 4 |

This table lists initial illuminance values at the center of a row of at least 5 fixtures with no contribution from ceiling or floor reflectances. Fixtures were modeled with maximum candlepower at 15° above vertical for 2'6" from wall and 2'6" O.C., and 20° above vertical for 3' from wall and 3' O.C.

CANDLEPOWER DISTRIBUTION



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° | 3,900 | 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.