



# MAGIC WAND® CLT O-OBM

surface mounted multi-function accent light



Magic Wand CLT O-OBM  
with Ring Baffle (OG)

Magic Wand CLT O-OBM  
with Open Aperture (OH)



aperture view



aperture view

Magic Wand CLT O-OBM is an accent light designed for mounting on a 4" octagonal outlet box (by others). Fixture is powered by one of a number of Cree chip-on-board LED's. See tables below for wattages and efficacies.

- **Fixture function can be changed with your choice of Quick Change Cartridge** – which can be removed from the fixture easily – and your choice of 'twist and lock' [reflector](#).
- **Quick Change Cartridge / Reflector choices**
  - **Quick Change Cartridge with a ring baffle (OG)** for enhanced shielding; for use with a 10°, or 20° or 36° reflector
  - **Quick Change Cartridge with an open aperture (OH)** for maximum efficacy; for use with a 10°, 20° or 36° reflector
- **Fixture is ordered with a single Quick Change Cartridge and a single reflector.** Additional Quick Change Cartridges and reflectors may be ordered as accessories.
- **Optical Accessories:** Each Quick Change Cartridge accepts one of a number of spread lenses, color filters and screens. A complimentary Beam Smoother is included.
- **Concealed swivels** provide 350° of horizontal rotation and vertical adjustment from 0° to 90°. The swivels are permanently tensioned, allowing the fixture to remain fixed at any aiming angle.
- **For more information, [click here](#).**

## PRODUCT CODE

For complete product code, list basic unit and select one item from each following box.

|   |  |
|---|--|
| <b>Basic Unit</b> .....   | MW-CLT-OB  |
| <b>Quick Change Cartridge</b>   |  |
| Ring Baffle .....   | OG   |
| Open Aperture .....   | OH   |
| <b>Reflector</b>  |  |
| 10° narrow spot .....   | - 10D  |
| 20° spot .....  | - 20D  |
| 36° flood .....   | - 36D  |
| <b>Driver (DMP):</b> Fixture includes a driver which is   |  |
| • dimmable to 10% with a an incandescent or electronic low voltage (ELV) dimming on a 120-volt circuit (2C) – and – |  |
| • not dimmable at all on a 277-volt circuit (HC).   |  |
| <b>Light Source Output (Lumens)</b>   |  |
| 800L / CRI 98 .....   | not available for 277v ... 2700K & 3000K only ... - L08A |
| 1200L .....   | 2700K & 3000K only .. - L12A                             |
| 1100L / CRI 80+ .....   | not available for 277v .....                             |
| 1500L .....   | - L15S   |
| <b>Light Color</b>  |  |
| 2700K .....   | - 27K  |
| 3000K .....   | - 30K  |
| 3500K .....   | not available with all Light Outputs (see above) .....   |
| 4000K .....   | not available with all Light Outputs (see above) .....   |
| 5000K .....   | not available with all Light Outputs (see above) .....   |
| <b>Finish</b>   |  |
| white: white paint, white lead cord, matte aluminum heat sink .....   | - WH   |
| black: black paint, black lead cord, black heat sink .....  | - BL   |
| Industrial Silver: silver paint, black lead cord, black heat sink .....   | - SI   |
| custom color: include physical chip with order and select one from below  |  |
| • white lead cord, matte aluminum heat sink .....   | - CCW  |
| • black lead cord, black heat sink .....  | - CCB  |
| • any other combination requires a special order  |  |

## EXTRA REFLECTORS & CARTRIDGES

Specify as separate line items.

|                               |            |
|-------------------------------|------------|
| <b>Reflector</b>              |            |
| 10° narrow spot .....         | MW-CLT-10D |
| 20° spot .....                | MW-CLT-20D |
| 36° flood .....               | MW-CLT-36D |
| <b>Quick Change Cartridge</b> |            |
| Open Aperture .....           | MW-CLT-OH  |
| Ring Baffle .....             | MW-CLT-OG  |

## OPTICAL ACCESSORIES ▼ See next page

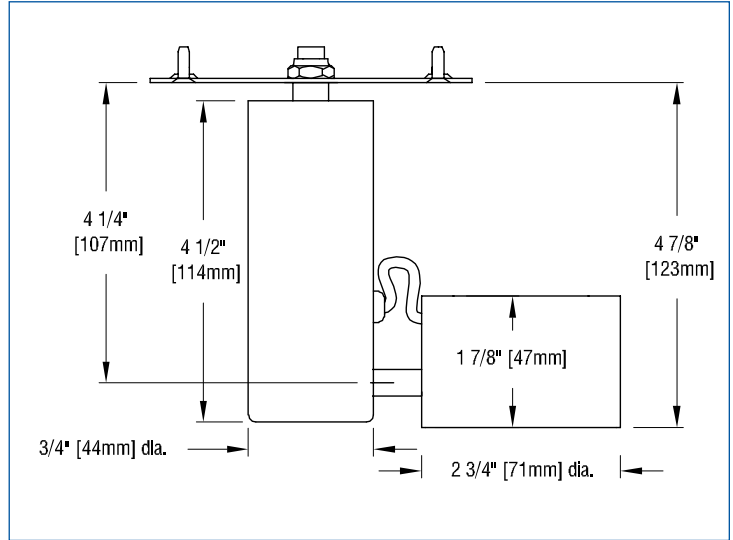


## OPTICAL ACCESSORIES

Specify as separate line items.

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

|  |                 |
|--|-----------------|
| <b>diffuse glass</b> .....                       | DGS/2.375       |
| <b>prismatic lens</b> (Solite) .....             | PLS/2.375       |
| <b>55° spread lens</b> .....                     | LENS/2.375      |
| <b>40° x 70° spread lens</b> .....               | LENS/2.375-4070 |
| <b>beam smoother</b> included with fixture ..... | CLR/2.375       |
| <b>color filters</b>                             |                 |
| 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       |
| <b>33% light reduction screen</b> .....          | SCR33/2.375     |
| <b>50% light reduction screen</b> .....          | SCR50/2.375     |



## APPLICATIONS

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

Luminaire is listed for Damp Location mounting on a standard 4" octagonal outlet box (by others).

## STANDARD DRIVER INFORMATION (UL Class 2, dry and damp location)

| Voltage                                   | 120          | 277          |
|---|--------------|--------------|
| Input Watts<br>(L08A/L12A/L11S/L15S)      | 9/14/9/14    | 9/14/9/14    |
| Input Current(A)<br>(L08A/L12A/L11S/L15S) | .08/12/08/12 | .03/05/03/05 |
| Output Current (mA)                       | 250-350      | 250-350      |
| Min. Power Factor                         | 0.90         | 0.90         |
| Operating Temperature Range (F)           | -4 to 122    | -4 to 122    |

## LIGHT OUTPUT MULTIPLIER

(Based on 1500 lumens 80 CRI option)

| LED Module Type           | Light Output Multiplier |
|---------------------------|-------------------------|
| 800 Lumens 98 CRI (L08A)  | 0.52*                   |
| 1200 Lumens 98 CRI (L12A) | 0.76*                   |
| 1100 Lumens 80 CRI (L11S) | 0.69*                   |
| 1500 Lumens 80 CRI (L15S) | 1                       |

\*estimated values

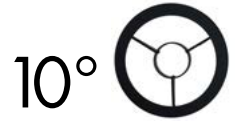
– photometrics continued below –



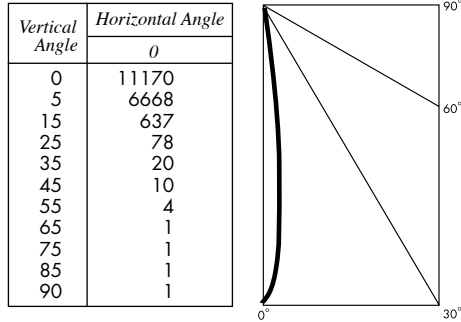
## PHOTOMETRIC REPORT with 10° reflector and OG Cartridge (tested per IESNA LM-79-2008)

Verification Services Report No. 12556986.01 Original test report furnished upon request.

Luminaire ..... surface-mounted LED accent light with 10° reflector and black ring-baffle (no Lens)  
 Lamp ..... CREE LED 1500 lumens, 3000K CCT, 80 CRI  
 Lamp Life ..... rated 50.000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request



### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

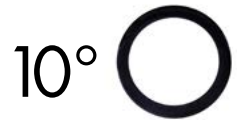
| LED Module Type           | Luminaire Light Output | Luminaire CBCP | Luminaire Efficacy (lms/watt) | System Wattage |
|---------------------------|------------------------|----------------|-------------------------------|----------------|
| 800 Lumens 98 CRI (L08A)  | 365*                   | 5808*          | 41*                           | 9              |
| 1200 Lumens 98 CRI (L12A) | 534*                   | 8489*          | 38*                           | 14             |
| 1100 Lumens 80 CRI (L11S) | 484*                   | 7707*          | 54*                           | 9              |
| 1500 Lumens 80 CRI (L15S) | 702                    | 11170          | 51                            | 14             |

\*estimated values

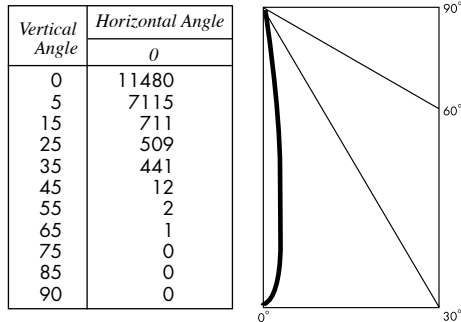
## PHOTOMETRIC REPORT with 10° reflector and OH Cartridge (tested per IESNA LM-79-2008)

Verification Services Report No. 12556986.04 Original test report furnished upon request.

Luminaire ..... surface-mounted LED accent light with 10° reflector and black lens holder (no Lens)  
 Lamp ..... CREE LED 1500 lumens, 3000K CCT  
 Lamp Life ..... rated 50.000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request



### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

| LED Module Type           | Luminaire Light Output | Luminaire CBCP | Luminaire Efficacy (lms/watt) | System Wattage |
|---------------------------|------------------------|----------------|-------------------------------|----------------|
| 800 Lumens 98 CRI (L08A)  | 645*                   | 5970*          | 72*                           | 9              |
| 1200 Lumens 98 CRI (L12A) | 942*                   | 8725*          | 67*                           | 14             |
| 1100 Lumens 80 CRI (L11S) | 856*                   | 7921*          | 95*                           | 9              |
| 1500 Lumens 80 CRI (L15S) | 1240                   | 11480          | 90                            | 14             |

\*estimated values

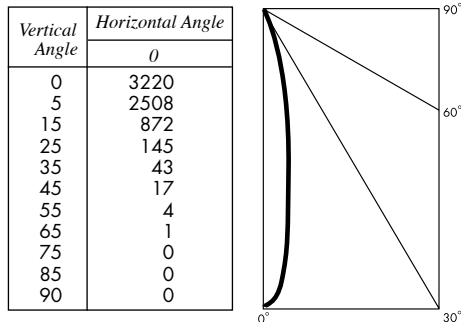
## PHOTOMETRIC REPORT with 20° reflector and OG Cartridge (tested per IESNA LM-79-2008)

Verification Services Report No. 12556986.02 Original test report furnished upon request.

Luminaire ..... surface-mounted LED accent light with 20° reflector and black ring-baffle (no Lens)  
 Lamp ..... CREE LED 1500 lumens, 3000K CCT  
 Lamp Life ..... rated 50.000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request



### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

| LED Module Type           | Luminaire Light Output | Luminaire CBCP | Luminaire Efficacy (lms/watt) | System Wattage |
|---------------------------|------------------------|----------------|-------------------------------|----------------|
| 800 Lumens 98 CRI (L08A)  | 294*                   | 1674*          | 33*                           | 9              |
| 1200 Lumens 98 CRI (L12A) | 429*                   | 2447*          | 31*                           | 14             |
| 1100 Lumens 80 CRI (L11S) | 390*                   | 2222*          | 43*                           | 9              |
| 1500 Lumens 80 CRI (L15S) | 565                    | 3220           | 41                            | 14             |

\*estimated values

## PHOTOMETRIC REPORT with 20° reflector and OH Cartridge (tested per IESNA LM-79-2008)

Verification Services Report No. 12556986.05 Original test report furnished upon request.

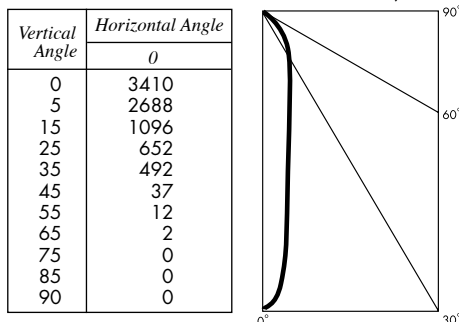
Luminaire ..... surface-mounted LED accent light with 20° reflector and black lens holder (no Lens)

Lamp ..... CREE LED 1500 lumens, 3000K CCT

Lamp Life ..... rated 50.000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request



### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

| LED Module Type           | Luminaire Light Output | Luminaire CBCP | Luminaire Efficacy (lms/watt) | System Wattage |
|---------------------------|------------------------|----------------|-------------------------------|----------------|
| 800 Lumens 98 CRI (L08A)  | 628*                   | 1773*          | 70*                           | 9              |
| 1200 Lumens 98 CRI (L12A) | 917*                   | 2592*          | 66*                           | 14             |
| 1100 Lumens 80 CRI (L11S) | 833*                   | 2353*          | 93*                           | 9              |
| 1500 Lumens 80 CRI (L15S) | 1207                   | 3410           | 88                            | 14             |

\*estimated values

## PHOTOMETRIC REPORT with 36° reflector and OG Cartridge (tested per IESNA LM-79-2008)

Verification Services Report No. 12556986.03 Original test report furnished upon request.

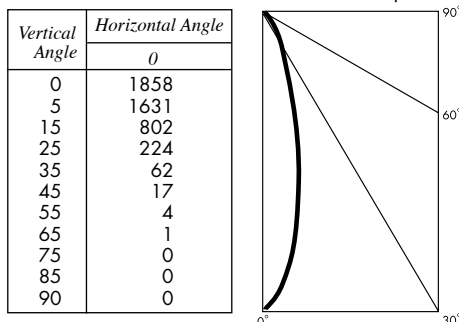
Luminaire ..... surface-mounted LED accent light with 36° reflector and black ring-baffle (no Lens)

Lamp ..... CREE LED 1500 lumens, 3000K CCT

Lamp Life ..... rated 50.000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request



### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

| LED Module Type           | Luminaire Light Output | Luminaire CBCP | Luminaire Efficacy (lms/watt) | System Wattage |
|---------------------------|------------------------|----------------|-------------------------------|----------------|
| 800 Lumens 98 CRI (L08A)  | 277*                   | 971*           | 31*                           | 9              |
| 1200 Lumens 98 CRI (L12A) | 405*                   | 1420*          | 29*                           | 14             |
| 1100 Lumens 80 CRI (L11S) | 368*                   | 1289*          | 41*                           | 9              |
| 1500 Lumens 80 CRI (L15S) | 533                    | 1868           | 39                            | 14             |

\*estimated values

## PHOTOMETRIC REPORT with 36° reflector and OH Cartridge (tested per IESNA LM-79-2008)

Verification Services Report No. 12556986.06 Original test report furnished upon request.

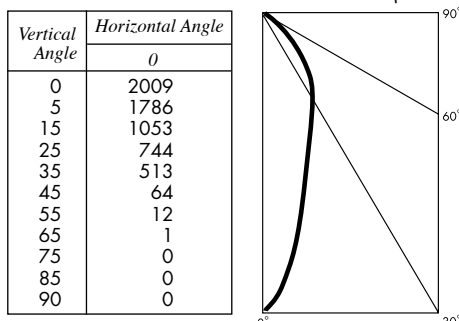
Luminaire ..... surface-mounted LED accent light with 36° reflector and black lens holder (no Lens)

Lamp ..... CREE LED 1500 lumens, 3000K CCT

Lamp Life ..... rated 50.000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request



### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

| LED Module Type           | Luminaire Light Output | Luminaire CBCP | Luminaire Efficacy (lms/watt) | System Wattage |
|---------------------------|------------------------|----------------|-------------------------------|----------------|
| 800 Lumens 98 CRI (L08A)  | 624*                   | 1045*          | 69*                           | 9              |
| 1200 Lumens 98 CRI (L12A) | 912*                   | 1527*          | 65*                           | 14             |
| 1100 Lumens 80 CRI (L11S) | 828*                   | 1386*          | 92*                           | 9              |
| 1500 Lumens 80 CRI (L15S) | 1200                   | 2009           | 87                            | 14             |

\*estimated values