

# MIDIMAX™ NSP-OBM BLUETOOTH

surface mounted addressable LED ring-baffled spotlight



Shown with Beam Smoother in use

- **Luminaire is equipped with a Xicato XIM Gen4 LED module**, an IOT device with embedded micro-processor and Bluetooth Low Energy chip, controllable via a smart device with iOS or Windows based apps. Features include
  - standard Bluetooth Wireless connectivity
  - addressable individually
  - on/off control
  - dimming to 0.1%. Combination with integral rotary dimmer available as modification.
  - data collection and storage for power consumption and LED performance
  - direct listening to switches and sensors
  - embedded Eddystone, iBeacon and/or AltBeacon beacons
- **Fixture is designed for mounting on a 4" octagonal outlet box** (by others).
- **Optical assembly consists of an internal reflector and a matte black concentric ring baffle which increases beam control**, eliminates spill light and minimizes glare. Ring baffle is equipped with clips to accept one or two of a number of [Optical Accessories](#), including spread lenses, color filters and light reduction screens. A complimentary Beam Smoother is included.
- **Beam spread may be changed by removing the ring baffle**, replacing one 'twist an lock' [reflector](#) with the other, and re-inserting the ring baffle. Luminaire is ordered with a single reflector; the other reflector may be ordered as an accessory.
- **A concealed swivel provides 385° horizontal rotation and vertical adjustment from 0° to 90°**. The swivel is permanently tensioned, allowing the luminaire to remain fixed at any angle.
- **MidiMax luminaires have seamless aluminum housings** and cast aluminum tops for lightweight durability and heat dissipation.
- **For more information, [click here](#)**

#### USB Key

To address this fixture from a Windows-based PC, laptop or tablet, a USB key (dongle) is required. Contact factory for USB key.

**MidiMax NSP-OBM Bluetooth** is a surface mounted 10° or 24° spotlight powered by one of a number of Xicato XIM Gen4 9mm modules, all of which are distinguished by extraordinary color consistency (within 1x2-step MacAdam ellipse). See tables on the reverse for wattages and efficacies.

## PRODUCT CODE

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

|   |                   |
|---|-------------------|
| <b>Basic Unit</b> .....   | LX-XIS-OB-OG      |
| <b>Beam Spread Reflector</b> (specify one to ship with fixture)   |                   |
| 10° narrow spot.....  | - 10D             |
| 24° spot.....   | - 24D             |
| <b>Finish</b>   |                   |
| white.....  | - WH              |
| black.....  | - BL              |
| Industrial Silver.....  | - SI              |
| custom color.....   | - CC              |
| <b>Light Source Output</b>  |                   |
| 700 lumens / CRI 98 Artist .....  | - L07A            |
| 700 lumens / CRI 80+ standard .....   | - L07S            |
| 700 lumens / CRI 80+ Vibrant .....  | 3000K only - L07V |
| 1000 lumens / CRI 98 Artist .....   | - L10A            |
| 1300 lumens / CRI 80+ standard .....  | - L13S            |
| 1300 lumens / CRI 80+ Vibrant .....   | 3000K only - L13V |
| <b>Light Color</b>  |                   |
| 2700 K .....  | - 27K             |
| 3000 K .....  | - 30K             |
| 3500 K .....  | - 35K             |
| 4000 K .....  | - 40K             |
| <b>Circuit Limitations</b>  |                   |
| Luminaire operates only on circuits with  |                   |
| <ul style="list-style-type: none"> <li>• no dimmer on the circuit – or –</li> <li>• a 0-10V dimmer on the circuit.</li> </ul> |                   |

► For luminaires modified for 50A or 60A track systems, contact factory.

## EXTRA REFLECTORS *Specify as separate line items.*

|  |              |
|--|--------------|
| <b>10° narrow spot reflector</b> ..... | XTS-REF10-70 |
| <b>24° spot reflector</b> .....        | XTS-REF24-70 |

## OPTICAL ACCESSORIES ▼ *See next page*



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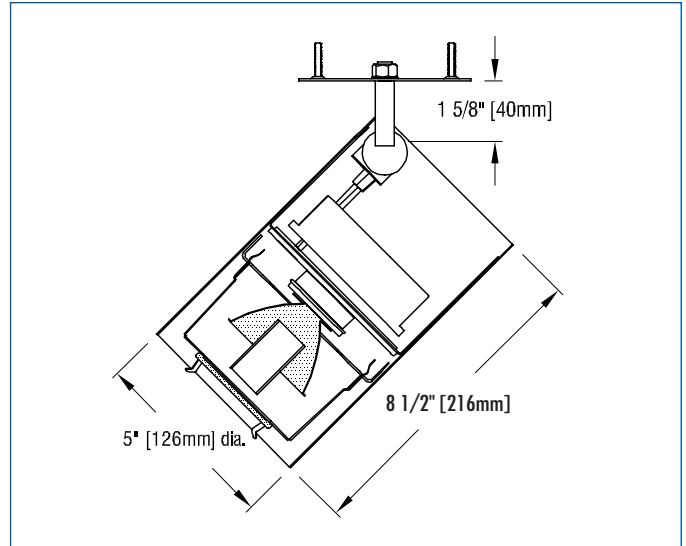
LED 0-213 4:19

## OPTICAL ACCESSORIES

Specify as separate line items.

All are 2 3/4" (70mm) dia. Lenses and filters are glass; screens are aluminum.

|   |                       |
|---|-----------------------|
| <b>diffuse glass</b> .....              | DGS/2.75              |
| <b>prismatic lens</b> (Solite) .....    | PLS/2.75              |
| <b>55° spread lens</b> .....            | LENS/2.75             |
| <b>40° x 70° spread lens</b> .....      | LENS/2.75-4070        |
| <b>beam smoother</b> .....              | included with fixture |
| <b>CLR/2.75</b> .....                   | CLR/2.75              |
| <b>color filters</b>                    |                       |
| Daylight Blue .....                     | DAY/2.75              |
| Surprise Pink .....                     | PNK/2.75              |
| amber .....                             | AMB/2.75              |
| blue .....                              | BLU/2.75              |
| green .....                             | GRN/2.75              |
| red .....                               | RED/2.75              |
| <b>33% light reduction screen</b> ..... | SCR33/2.75            |
| <b>50% light reduction screen</b> ..... | SCR50/2.75            |



## APPLICATIONS

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

– see below for photometric reports –

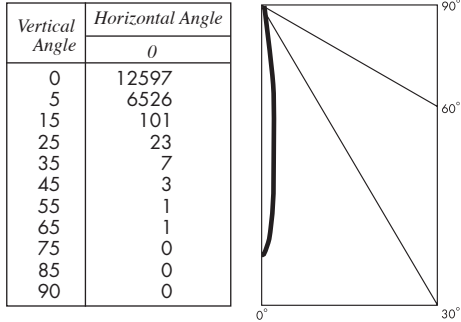


## PHOTOMETRIC REPORT with 10° reflector (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 1222997. Original test report furnished upon request.

Luminaire ..... surface-mounted LED accent light with a 10° reflector and black ring-baffle (NO LENS)  
 Lamp ..... Xicato 9mm XIM LED Module, 1300 lumens, 3000K, 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 |
|--------------------------------|------------------------|----------------|-------------------------------|----------------|
| 700 Lumens Artist              | 275*                   | 6928*          | 20*                           | 14             |
| 700 Lumens standard & Vibrant  | 275*                   | 6928*          | 25*                           | 11             |
| 1000 Lumens Artist             | 385*                   | 9700*          | 17*                           | 23             |
| 1300 Lumens standard & Vibrant | 500                    | 12,597         | 26                            | 19             |

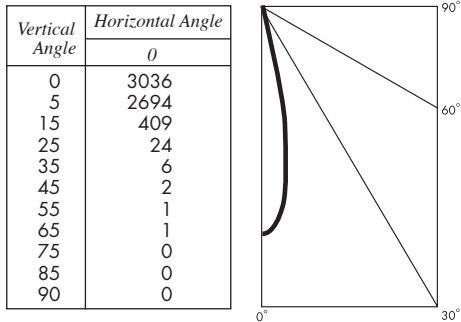
\*estimated values

## PHOTOMETRIC REPORT with 24° reflector (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 122998. Original test report furnished upon request.

Luminaire ..... surface-mounted LED accent light with a 24° reflector and black ring-baffle (NO LENS)  
 Lamp ..... Xicato 9mm XIM LED Module, 1300 lumens, 3000K, 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 |
|--------------------------------|------------------------|----------------|-------------------------------|----------------|
| 700 Lumens Artist              | 205*                   | 1670*          | 15*                           | 14             |
| 700 Lumens standard & Vibrant  | 205*                   | 1670*          | 19*                           | 11             |
| 1000 Lumens Artist             | 287*                   | 2338*          | 12*                           | 23             |
| 1300 Lumens standard & Vibrant | 373                    | 3036           | 19                            | 19             |

\*estimated values

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

| Voltage   | 120             | 277             |
|---|-----------------|-----------------|
| Input Watts (L07A/L10A/L07S&V/L13S&V lumens)      | 14/23/11/19     | 14/23/11/19     |
| Input Current(A) (L07A/L10A/L07S&V/L13S&V lumens) | .12/.19/.09/.16 | .05/.08/.04/.07 |
| Min. Power Factor                                 | .99             | .99             |
| Operating Temperature Range (F)                   | -13 to 122      | -13 to 122      |

## LIGHT OUTPUT MULTIPLIER

| LED Module Type                | Light Output Multiplier |
|--------------------------------|-------------------------|
| 700 Lumens Artist              | .55*                    |
| 700 Lumens standard & Vibrant  | .55*                    |
| 1000 Lumens Artist             | .77*                    |
| 1300 Lumens standard & Vibrant | 1                       |

\*estimated values