

# AC MX2

## 2" Continuous - Suspended

AGILE-CORE™  
Distributed Edge Architecture

PROJECT:

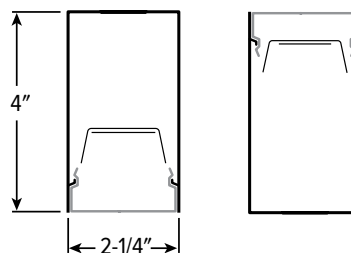
QTY:

TYPE:

CATALOG:

### SPECIFICATIONS:

|                   |  |
|-------------------|--|
| <b>Housing</b>    | Extruded aluminum with die-cast end plates   |
| <b>Shielding</b>  | Extruded diffuse acrylic lens  |
| <b>Finish</b>     | Textured matte white polyester TGIC powder coat onod to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication.   |
| <b>Electrical</b> | High-quality mid-power LED boards.<br>L70 >60,000 hours.   |
| <b>Mounting</b>   | Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid and hardpan ceiling applications provided.   |
| <b>Listings</b>   | <ul style="list-style-type: none"><li>• cCSAus certified as luminaire suitable for dry or damp locations.</li><li>• Buid America, Buy America (BABA) and Buy American Acc (BAA) compliant.</li></ul> |
| <b>Warranty</b>   | 5-year limited warranty  |



AC MX2

AC MX2U

### FEATURES:

- Maximum energy savings with efficacies up to 146 lm/W
- No in-luminaire drivers extending fixture life, using less materials and lowering costs
- Daisy chain multiple fixtures per home run
- Compatible with cat 6 patch cables when used with XPD accessory
- Specify in one inch increments to create a perfect fit
- Moveable mounting hardware easily slides along the length of the fixture providing variable mounting points for continuous rows
- Corner configurations available
- Made in the USA

### CERTIFICATIONS




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### ORDERING GUIDE:

Example Catalog # AC MX2D 12'00 L7/835 F AC/D48 FL

| Family   | Illuminated Length <sup>1</sup>   | Lumens <sup>3</sup>                              | / CRI CCT  |  | <div>Product Builder</div> <div>Easily build shapes &amp; simplify ordering, please contact your Sinclair Digital Sales Representative<sup>2</sup></div> <div></div> |                                |
|--|---|--|--|--|--|--------------------------------|
| AC MX2D<br>Down<br><br>AC MX2U<br>Up   | Lengths specified in feet and inches using 1" increments, 2' minimum. Example: 12'00 = 12'-0" | L5 548lm<br>L7 725lm<br>L10 1046lm<br>L14 1356lm | 8 80<br>9 90 <sup>5</sup>  | 27 2700K<br>30 3000K<br>35 3500K<br>40 4000K<br>50 5000K<br><br>TW<br>Tunable White<br>(80 CRI, 3000K-5000K) |  |                                |
| Shielding  |   |  | Mounting (Example: AC/D48) <sup>4</sup>  |  | Pwr/Control  | Options                        |
| F Flat<br>FW Flat with widespread, batwing optic<br>FA Flat with asymmetric optic<br>G Glowing edge lens, 3/8" <sup>6</sup><br>D Drop lens, 1" <sup>7</sup><br>R Regressed lens, 1" <sup>8</sup> |   |  | Prefix Type Length<br>AC/ D 1" grid & hardpan 24 24"<br>N 9/16" grid 48 48"<br>S Slot grid 96 96"<br><br>MSF_ Microstem, 1/4" IPS, specify length in inches <sup>9</sup> |  | FL<br>flying leads<br>AGILE-CORE™ ready  | See page 5 for FINISH OPTIONS. |

1 Endcaps add 1/4" to overall specified length.  
2 See page 5 for CORNER DETAILS.  
3 Lumens per foot output based on F Shielding, 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary ±5%. See page 3 for FIXTURE PERFORMANCE DATA.  
4 See page 5 for MOUNTING DETAILS.  
5 Not available with Tunable White.  
6 Not available with corner configurations.  
7 MX2D only. Not available with corner configurations.  
8 Not available with corner configurations. Increases fixture height. See page 4 for SHIELDING DETAILS.  
9 Power cord does not run through microstem.

## ACCESSORIES

ordered separately

|           |                                     |
|-----------|-------------------------------------|
| XPD-P2H-G | Adapter - flying leads to dual RJ45 |
|-----------|-------------------------------------|

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## PERFORMANCE TABLE

MX2 DOWN @ 80CRI, 3500K, per foot

|            | Delivered Lumens | Wattage | Efficacy (lm/W) |
|------------|------------------|---------|-----------------|
| <b>L5</b>  | 548              | 3.75    | 146             |
| <b>L7</b>  | 725              | 5       | 145             |
| <b>L10</b> | 1046             | 7.5     | 139             |
| <b>L14</b> | 1356             | 10      | 136             |

MX2 UP @ 80CRI, 3500K, per foot

|            | Delivered Lumens | Wattage | Efficacy (lm/W) | Control up to 10' | LED Channels* | LED Vf max (V) | LED If max/ch (mA) |
|------------|------------------|---------|-----------------|-------------------|---------------|----------------|--------------------|
| <b>L5</b>  | 611              | 3.75    | 163             | XPD-P2H-G         | varies        | 33             | 114                |
| <b>L7</b>  | 809              | 5       | 162             |                   | varies        | 33             | 150                |
| <b>L10</b> | 1166             | 7.5     | 155             |                   | varies        | 34             | 221                |
| <b>L14</b> | 1513             | 10      | 151             |                   | varies        | 35             | 291                |

\* Consult factory for # of channels

TUNABLE WHITE

| Down (Per Foot)  |         |                 |
|------------------|---------|-----------------|
| Delivered Lumens | Wattage | Efficacy (Lm/W) |
| 778              | 6.3     | 123             |

| Up (Per Foot)    |         |                 |
|------------------|---------|-----------------|
| Delivered Lumens | Wattage | Efficacy (Lm/W) |
| 865              | 6.3     | 137             |

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLE

|               | Color Temperature |          |               |
|---------------|-------------------|----------|---------------|
|               | CCT               | Lumens   |               |
|               |                   | Standard | Tunable White |
| <b>80 CRI</b> | 2700K             | 0.97     | -             |
|               | 3000K             | 0.99     | 0.95          |
|               | 3500K             | 1.00     | 0.98          |
|               | 4000K             | 1.03     | 1.00          |
|               | 5000K             | 1.06     | 0.96          |
| <b>90 CRI</b> | 2700K             | 0.80     | -             |
|               | 3000K             | 0.82     | -             |
|               | 3500K             | 0.83     | -             |
|               | 4000K             | 0.86     | -             |
|               | 5000K             | 0.89     | -             |

| Shielding |                   |
|-----------|-------------------|
| Lens      | Conversion Factor |
| F         | 1.00              |
| FW        | 0.92              |
| FA (MX2U) | 0.96              |
| FA (MX2D) | 0.82              |
| G         | 0.98              |
| D         | 1.05              |
| R         | 0.91              |

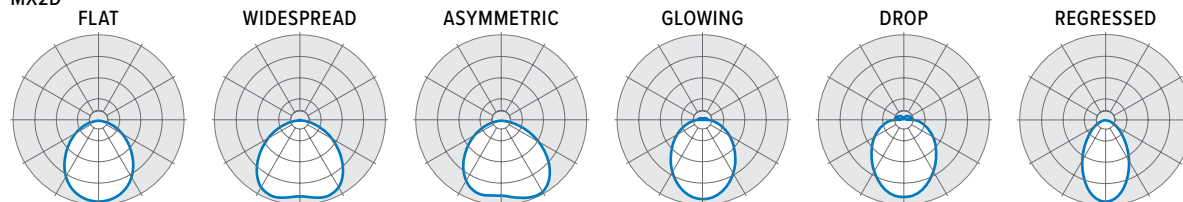
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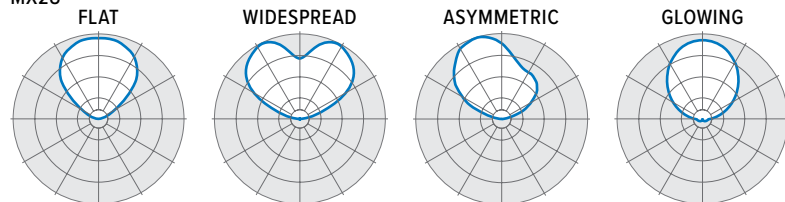
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## PHOTOMETRY

MX2D

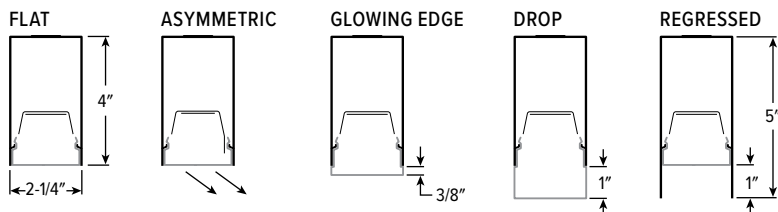


MX2U

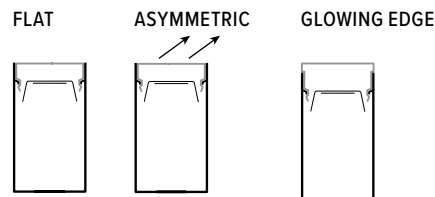


## SHIELDING DETAILS

MX2D



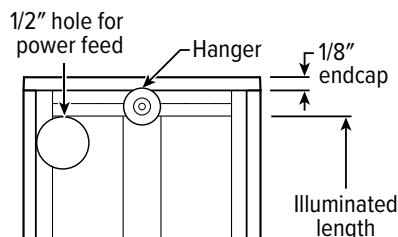
MX2U



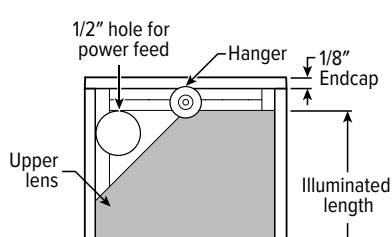
## FIXTURE DETAILS

Stand-alone fixtures up to 12' in length will require two suspension cables.

MX2D BACK VIEW



MX2U BACK VIEW

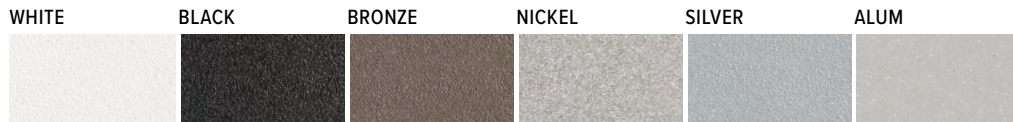


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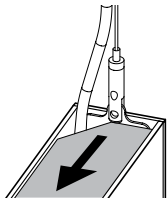
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## FINISH OPTIONS

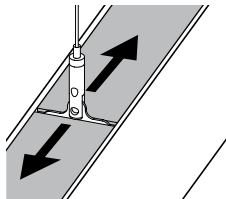


## MOUNTING DETAILS

### AIRCRAFT CABLE

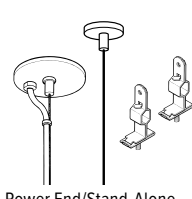


Field-adjustable standalone hanger.

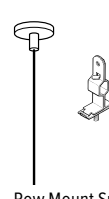


Joiner hanger slides to any position along extrusion. Lens may be cut to fit hanger.

### STANDARD HARDWARE

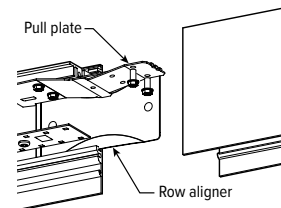


Power End/Stand-Alone



Row Mount Support

### ROW ALIGNMENT SYSTEM



Installer friendly row aligners ensure seamless joining between fixtures while factory installed pull plate locks extrusions in place without disassembly of fixture internals.

### AIRCRAFT CABLE



### MICROSTEM

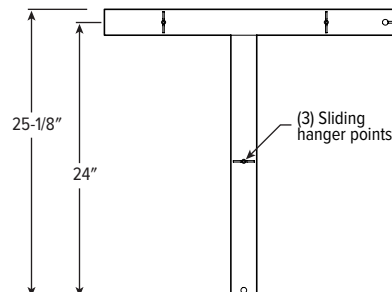
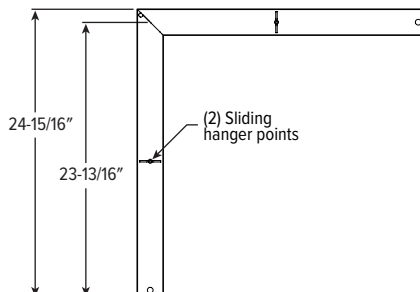


Power cord does not run through microstem.

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder (or stand-alone) fixture, either as part of a row or as an individual mount unit. Power feed locations are at end of fixture.
- One 5" canopy included for each feeder fixture. One 2" canopy included for each additional fixture required in a row.

## CORNER DETAILS

### BACK VIEW



Note: Corner orientation determined in field. Feeder corner end cap shipped separately.