

# AC MX2UD

## 2" Continuous Up/Down - Suspended

AGILE-CORE™  
Distributed Edge Architecture

PROJECT:

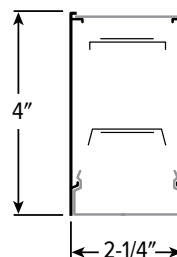
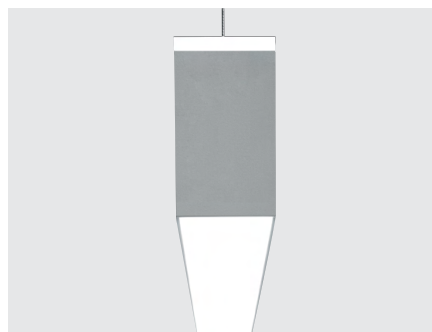
QTY:

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. 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



### FEATURES:

- Maximum energy savings with efficacies up to 163 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 MX2UD 12'00 L7/835 F AC/D48 FL

Family	Illuminated Length <sup>1</sup>	Lumen Package (Example: P8/835U/P8/835D) Specify lumen packages: U for Uplight and D for Downlight			
		Lumens <sup>3</sup>	CRI	CCT	U or D
AC MX2UD	Lengths specified in feet and inches using 1" increments, 2' minimum. Example: 12'00 = 12'-0"	L6 600lm L8 800lm L12 1200lm L15 1500lm	8 80 9 90 <sup>4</sup>	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K  TW Tunable White (80 CRI, 3000K-5000K)	U Uplight D Downlight

#### Product Builder

Easily build shapes & simplify ordering, please contact your Sinclair Digital Sales Representative<sup>2</sup>



Shielding Up	Shielding Down	Mounting (Example: AC/D48)			Pwr/Control	Options
<div>F Flat</div> <div>FW Flat with widespread, batwing optic</div> <div>FA Flat with asymmetric optic</div> <div>G Glowing edge lens, 3/8" <sup>5</sup></div>	<div>F Flat</div> <div>FW Flat with widespread, batwing optic</div> <div>FA Flat with asymmetric optic</div> <div>G Glowing edge lens, 3/8" <sup>6</sup></div> <div>D Drop lens, 1" <sup>7</sup></div> <div>R Regressed lens, 1" <sup>8</sup></div>	<div><div>Prefix</div><div>AC/</div><div>MSF_</div></div> <div><div>Type</div><div>D 1" grid &amp; hardpan</div><div>N 9/16" grid</div><div>S Slot grid</div><div>Microstem, 1/4" IPS, specify length in inches<sup>9</sup></div></div> <div><div>Length</div><div>24 24"</div><div>48 48"</div><div>96 96"</div></div>	<div>FL</div> <div>flying leads</div> <div>AGILE-CORE™</div> <div>ready</div>	<div>See page 5 for</div> <div>FINISH</div> <div>OPTIONS.</div>		

<sup>1</sup> Endcaps add 1/4" to overall specified length.

<sup>2</sup> See page 5 for CORNER DETAILS.

<sup>3</sup> 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.

<sup>4</sup> Not available with Tunable White.

<sup>5</sup> Not available with corner configurations

<sup>6</sup> Not available with corner configurations

<sup>7</sup> Not available with corner configurations

<sup>8</sup> Not available with corner configurations. Increases fixture height. See page 4 for SHIELDING DETAILS.

<sup>9</sup> 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

PER FOOT (2000 LUMENS PER FOOT MAX)

	Delivered Lumens			Total Wattage	Efficacy (lm/W)	Control	LED Channels*	LED Vf max (V)	LED If max/ ch (mA)
	Up	Down	Total						
L6/835U/L5/835D	611	494	1105	7.5	147	sold separately	varies	33	228
L8/835U/L7/835D	809	672	1481	10	148		varies	33	300
L12/835U/L10/835D	1166	969	2135	15	142		varies	34	442
L8/835U/L12/835D	809	1258	2067	15	138		varies	34	442
L15/835U/L7/835D	1513	672	2185	15	146		varies	34	442

\* Consult factory for # of channels

### TUNABLE WHITE (Per Foot)

Total Delivered Lumens	Total Wattage	Efficacy (Lm/W)
1643	12.6	130

- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding for Up and Down compartments, 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.

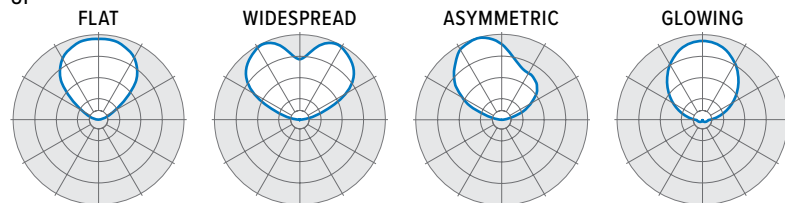
### MULTIPLIER TABLE

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

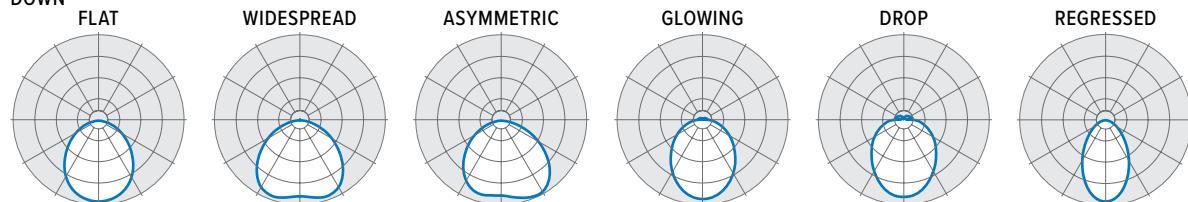
Shielding	
Lens	Conversion Factor
F	1.00
FW	0.92
FA (Up)	0.96
FA (Down)	0.82
G	0.98
D	1.05
R	0.91

## PHOTOMETRY

UP



DOWN



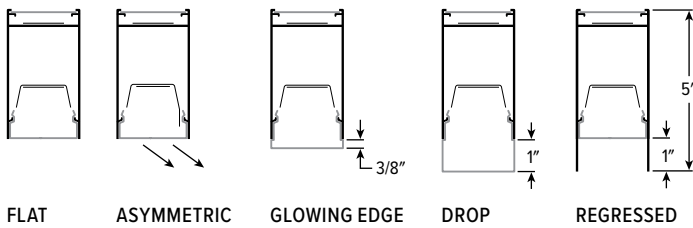
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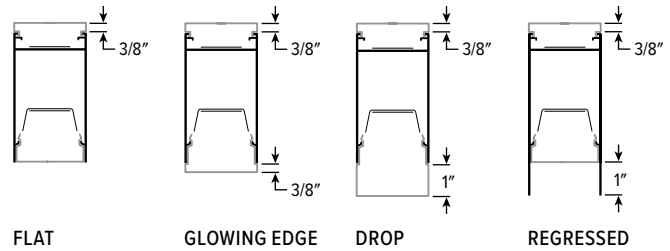
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### SHIELDING DETAILS

#### FLAT UPLIGHT

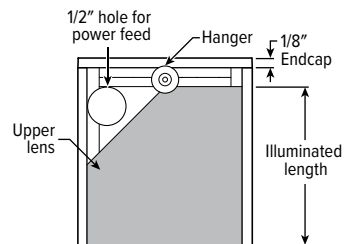


#### GLOWING EDGE UPLIGHT



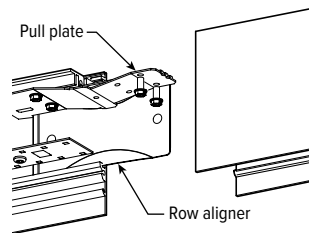
### FIXTURE DETAILS

#### BACK VIEW



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

#### 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.

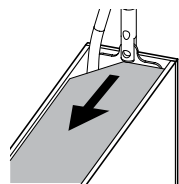
#### AIRCRAFT CABLE



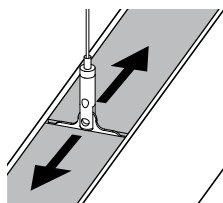
#### MICROSTEM



#### AIRCRAFT CABLE

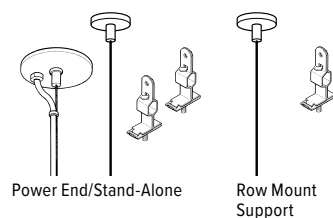


Field-adjustable standalone hanger.



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

#### STANDARD HARDWARE



#### Notes:

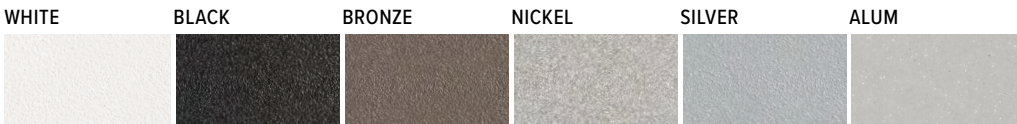
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Power is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row. One power drop per node required.

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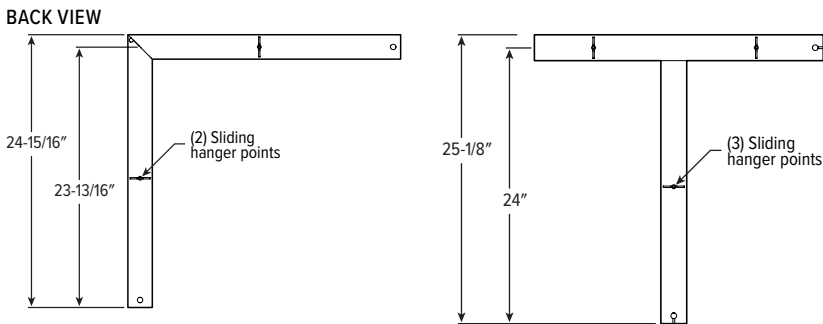
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### FINISH OPTIONS



### CORNER DETAILS



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