

AC MX2

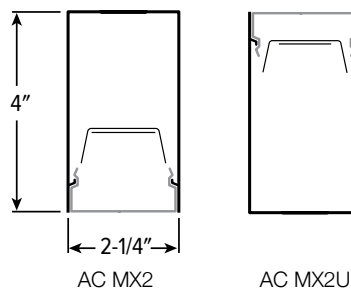
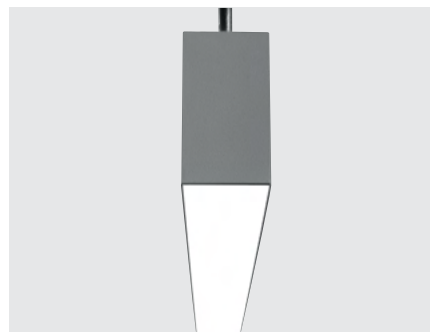
2" Continuous - Suspended

AGILE-CORE®
Distributed Edge Architecture

PROJECT:	QTY:
TYPE:	CATALOG:

SPECIFICATIONS:

Housing	Extruded aluminum with die-cast end plates
Shielding	Extruded diffuse acrylic lens
Finish	Textured matte white polyester TGIC powder coat onod to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication.
Electrical	High-quality mid-power LED boards. L70 >60,000 hours.
Mounting	Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid and hardpan ceiling applications provided.
Listings	- cCSAus certified as luminaire suitable for dry or damp locations. - Buid America, Buy America (BABA) and Buy American Acc (BAA) compliant.
Warranty	5-year limited warranty



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
- 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 ¹	Lumens ³	/ CRI CCT			
AC MX2D Down AC MX2U Up	Lengths specified in feet and inches using 1" increments, 2' minimum. Example: 12'00 = 12'-0"	L5 548lm L7 725lm L10 1046lm L14 1356lm	8 80 9 90 ⁵	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K TW Tunable White (80 CRI, 3000K-5000K)		
Product Builder Easily build shapes & simplify ordering, please contact your Sinclair Digital Sales Representative² 						
Shielding			Mounting (Example: AC/D48) ⁴		Pwr/Control	Options
F Flat FW Flat with widespread, batwing optic FA Flat with asymmetric optic G Glowing edge lens, 3/8" ⁶ D Drop lens, 1" ⁷ R Regressed lens, 1" ⁸			Prefix Type Length AC/ D 1" grid & hardpan 24 24" N 9/16" grid 48 48" S Slot grid 96 96" MSF_ Microstem, 1/4" IPS, specify length in inches ⁹		FL flying leads 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.

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PERFORMANCE TABLE

MX2 DOWN @ 80CRI, 3500K, per foot

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

MX2 UP @ 80CRI, 3500K, per foot

	Delivered Lumens	Wattage	Efficacy (lm/W)	LED Channels*	LED Vf max (V)	LED If max/ch (mA)
L5	611	3.75	163	varies	33	114
L7	809	5	162	varies	33	150
L10	1166	7.5	155	varies	34	221
L14	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

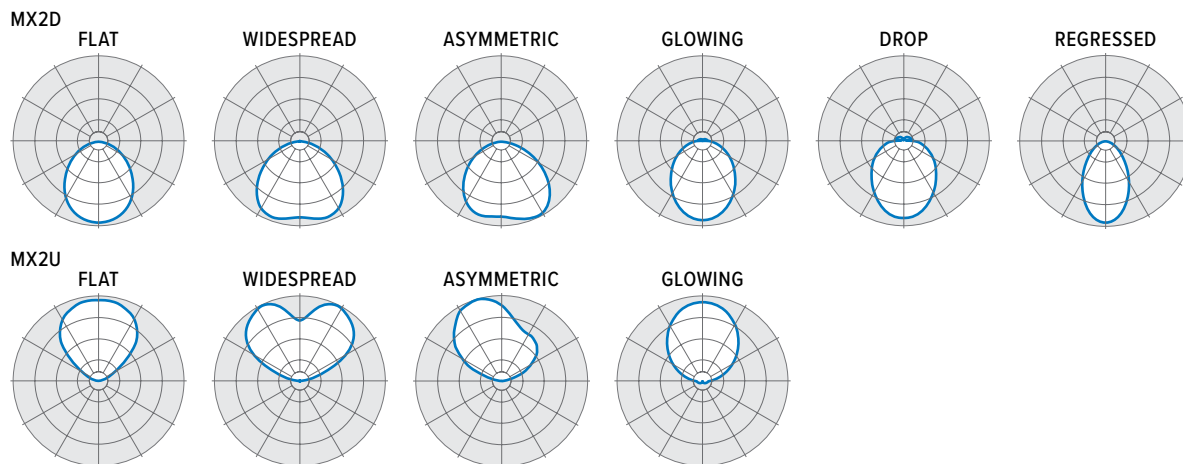
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLE

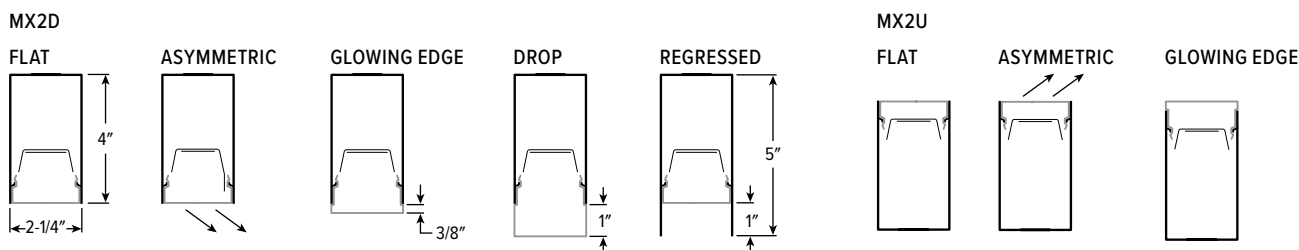
	Color Temperature		
	CCT	Lumens	
		Standard	Tunable White
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-

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

PHOTOMETRY



SHIELDING DETAILS

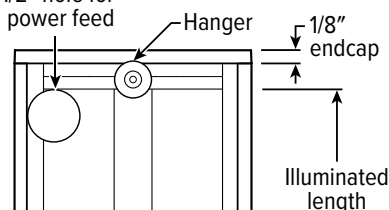


FIXTURE DETAILS

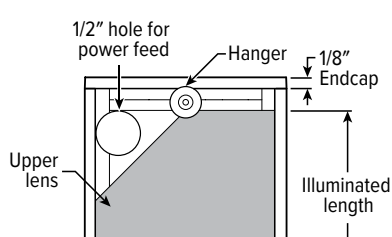
Stand-alone fixtures up to 12' in length will require two suspension cables.

MX2D BACK VIEW

1/2" hole for power feed



MX2U BACK VIEW

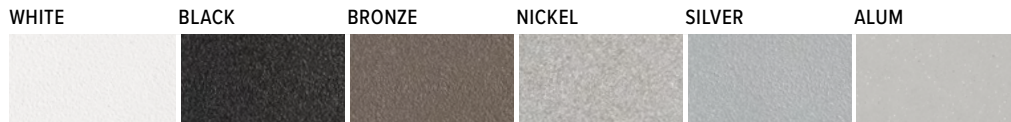


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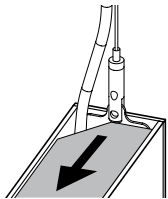
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FINISH OPTIONS

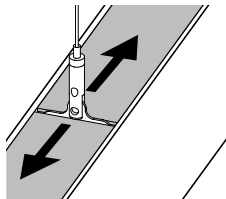


MOUNTING DETAILS

AIRCRAFT CABLE

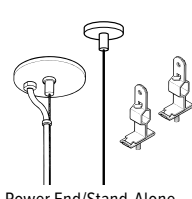


Field-adjustable standalone hanger.

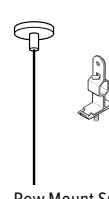


Joiner hanger slides to any position along extrusion. Lens may be cut to fit hanger.

STANDARD HARDWARE

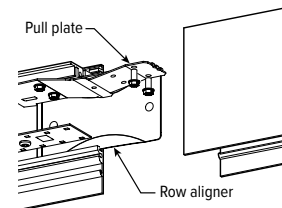


Power End/Stand-Alone



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

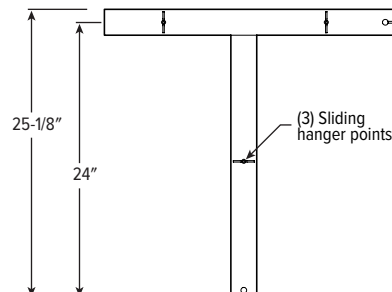
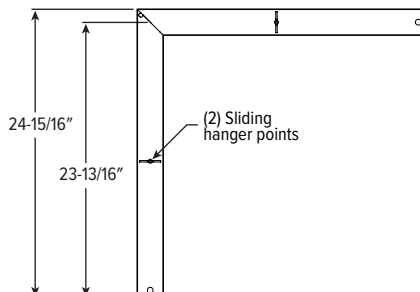


Power cord does not run through microstem.

- 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.